

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092818\
 Data File : VU027309.D
 Acq On : 29 Sep 2018 06:34
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/2/2018 1:08:44 PM

Quant Time: Oct 01 04:07:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	85285	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	146219	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	139459	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	76666	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	77938	45.41	ug/l	0.00
Spiked Amount			Recovery	=	90.82%	
35) Dibromofluoromethane	4.88	113	56539	44.61	ug/l	0.00
Spiked Amount			Recovery	=	89.22%	
50) Toluene-d8	7.57	98	211875	43.86	ug/l	0.00
Spiked Amount			Recovery	=	87.72%	
62) 4-Bromofluorobenzene	10.31	95	79893	48.20	ug/l	0.00
Spiked Amount			Recovery	=	96.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	56171	50.445	ug/l	100
3) Chloromethane	1.33	50	83664	43.579	ug/l	100
4) Vinyl Chloride	1.40	62	84709	47.269	ug/l	98
5) Bromomethane	1.61	94	68305	66.933	ug/l	99
6) Chloroethane	1.69	64	51312	44.814	ug/l	100
7) Trichlorofluoromethane	1.88	101	92178	45.289	ug/l	100
8) Diethyl Ether	2.10	74	45086	46.021	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.29	101	53698	42.908	ug/l	99
10) Methyl Iodide	2.41	142	47820	30.809	ug/l	100
11) Tert butyl alcohol	2.83	59	91173	231.736	ug/l	98
12) 1,1-Dichloroethene	2.28	96	51319	43.568	ug/l	97
13) Acrolein	2.19	56	41858	197.362	ug/l	99
14) Allyl chloride	2.59	41	124409	52.074	ug/l	97
15) Acrylonitrile	2.94	53	246624	248.712	ug/l	99
16) Acetone	2.32	43	208147	226.741	ug/l	100
17) Carbon Disulfide	2.48	76	180895	47.142	ug/l	100
18) Methyl Acetate	2.61	43	137409	56.243	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	225914	52.192	ug/l	99
20) Methylene Chloride	2.70	84	70333	45.752	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	61420	48.838	ug/l	98
22) Diisopropyl ether	3.57	45	277245	54.255	ug/l	97
23) Vinyl Acetate	3.52	43	1173037	269.298	ug/l	99
24) 1,1-Dichloroethane	3.45	63	141005	50.101	ug/l	99
25) 2-Butanone	4.26	43	346807	240.416	ug/l	99
26) 2,2-Dichloropropane	4.23	77	84322	38.417	ug/l	98
27) cis-1,2-Dichloroethene	4.22	96	69525	48.952	ug/l	98
28) Bromochloromethane	4.55	49	68510	50.498	ug/l	96
29) Tetrahydrofuran	4.64	42	230837	264.530	ug/l	97
30) Chloroform	4.67	83	125208	47.927	ug/l	98
31) Cyclohexane	5.00	56	129841	50.761	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	103217	49.485	ug/l	99
36) 1,1-Dichloropropene	5.14	75	95442	48.908	ug/l	99
37) Ethyl Acetate	4.38	43	129560	49.043	ug/l	99
38) Carbon Tetrachloride	5.14	117	88207	47.498	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	113796	53.660	ug/l	99
40) Benzene	5.39	78	285637	48.149	ug/l	100
41) Methacrylonitrile	4.54	41	74494	54.296	ug/l	97
42) 1,2-Dichloroethane	5.40	62	107558	47.988	ug/l	100
43) Isopropyl Acetate	5.55	43	206402	53.574	ug/l	98
44) Trichloroethene	6.19	130	62369	49.384	ug/l	99
45) 1,2-Dichloropropane	6.43	63	85010	50.291	ug/l	97
46) Dibromomethane	6.56	93	49023	48.020	ug/l	99
47) Bromodichloromethane	6.76	83	98720	47.823	ug/l	98
48) Methyl methacrylate	6.62	41	103958	49.585	ug/l	98
49) 1,4-Dioxane	6.61	88	34790	835.122	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	675550	260.713	ug/l	100
52) Toluene	7.64	92	171710	50.496	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	112514	50.730	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	120348	49.351	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	69363	48.140	ug/l	98
56) Ethyl methacrylate	8.02	69	121139	48.523	ug/l	97
57) 1,3-Dichloropropane	8.24	76	134224	50.086	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	325482	229.804	ug/l	100
59) 2-Hexanone	8.36	43	513143	252.991	ug/l	100
60) Dibromochloromethane	8.48	129	69820	49.401	ug/l	98
61) 1,2-Dibromoethane	8.59	107	72005	48.030	ug/l	100
64) Tetrachloroethene	8.23	164	53487	49.773	ug/l	97
65) Chlorobenzene	9.12	112	178524	48.279	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	63383	49.765	ug/l	100
67) Ethyl Benzene	9.25	91	328821	54.077	ug/l	99
68) m/p-Xylenes	9.38	106	243300	98.818	ug/l	99
69) o-Xylene	9.78	106	116569	54.107	ug/l	98
70) Styrene	9.79	104	196172	48.811	ug/l	100
71) Bromoform	9.96	173	51038	51.820	ug/l #	100
73) Isopropylbenzene	10.17	105	316559	54.281	ug/l	100
74) N-amyl acetate	10.01	43	184102	54.537	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	121493	45.310	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	103573m	44.469	ug/l	
77) Bromobenzene	10.45	156	71703	50.313	ug/l	98
78) n-propylbenzene	10.59	91	383212	55.534	ug/l	100
79) 2-Chlorotoluene	10.66	91	224966	51.903	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	264264	54.894	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	30038m	41.272	ug/l	
82) 4-Chlorotoluene	10.77	91	260046	53.507	ug/l	99
83) tert-Butylbenzene	11.10	119	250987	52.734	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	267076	54.514	ug/l	99
85) sec-Butylbenzene	11.32	105	318957	54.899	ug/l	100
86) p-Isopropyltoluene	11.48	119	270872	49.692	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	132881	50.106	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	132874	45.971	ug/l	98
89) n-Butylbenzene	11.89	91	254332	48.216	ug/l	99
90) Hexachloroethane	12.15	117	49364	46.723	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	134063	47.589	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	27572	50.405	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	88731	54.658	ug/l	99
94) Hexachlorobutadiene	13.69	225	42351	49.305	ug/l	99
95) Naphthalene	13.74	128	312810	49.307	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	92867	53.344	ug/l	99

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

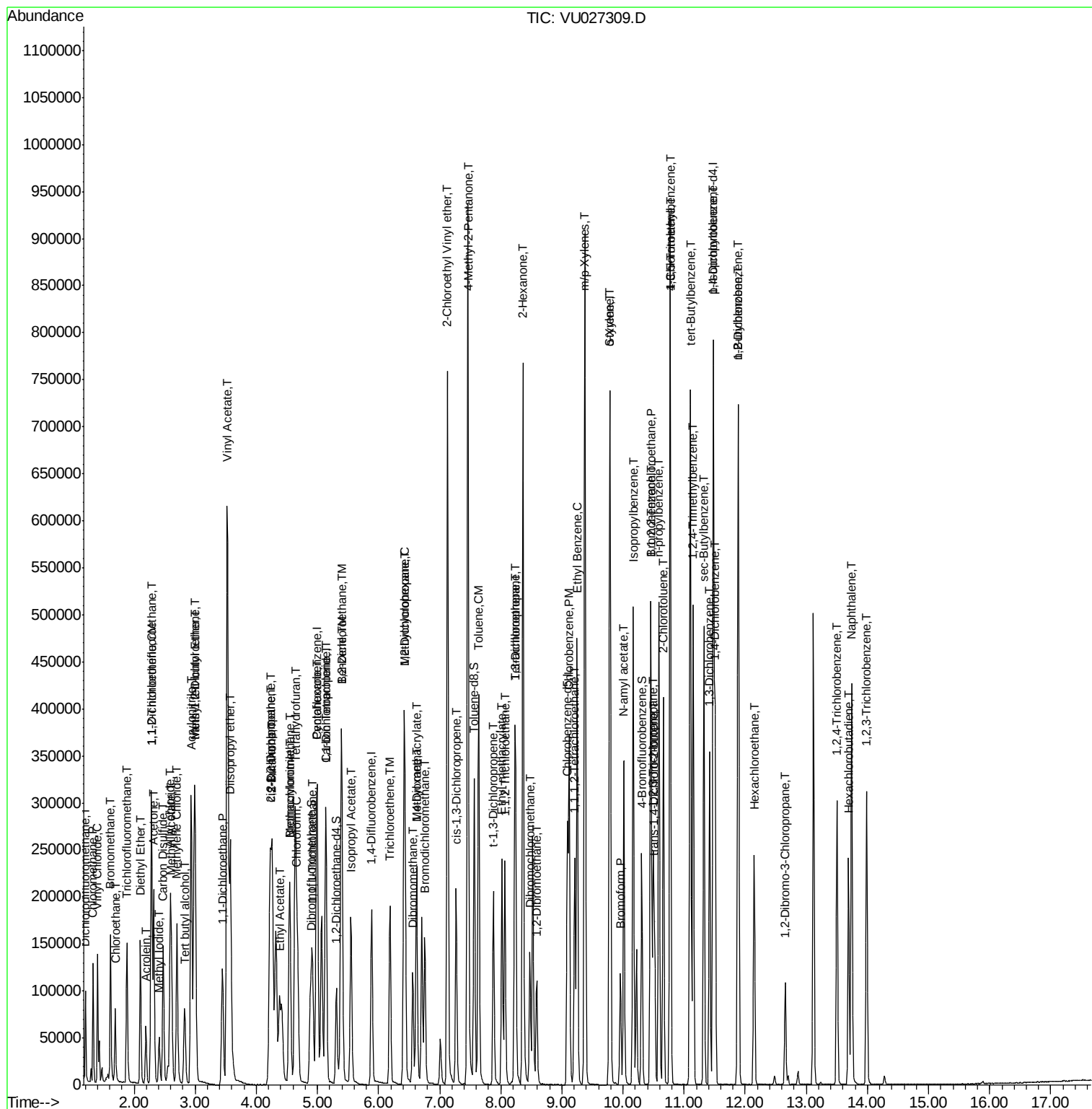
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Data File : VU027309.D
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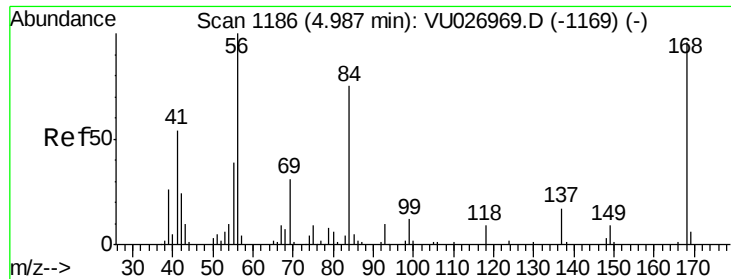
Instrument :
MSVOA_U
ClientSampleId :
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU027309.D

Acq: 29 Sep 2018 06:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 85285

Ion Ratio Lower Upper

168 100

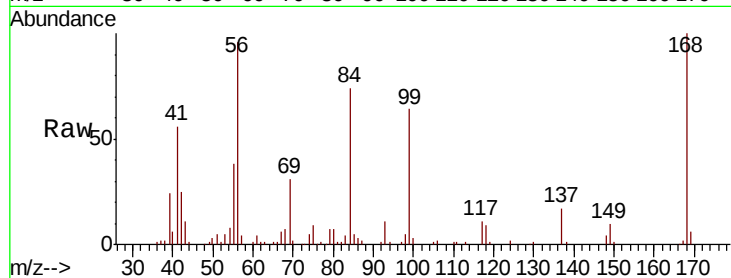
99 62.3 48.1 72.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU026969.D (-1169) (-)

4.98

40000

30000

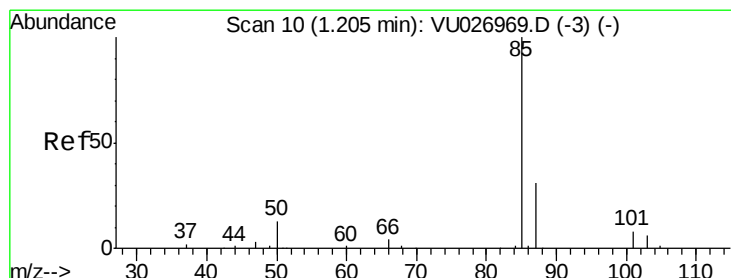
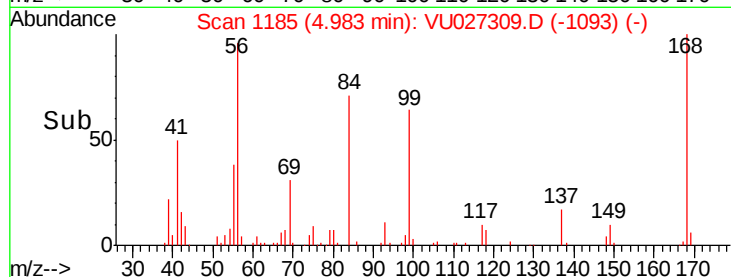
20000

10000

0

4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 50.445 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027309.D

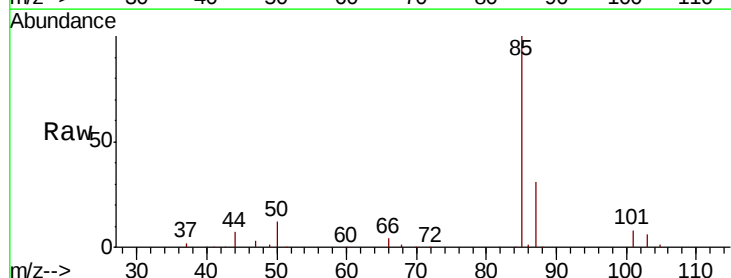
Acq: 29 Sep 2018 06:34

Tgt Ion: 85 Resp: 56171

Ion Ratio Lower Upper

85 100

87 31.1 15.6 46.7



Abundance Ion 84.90 (84.60 to 85.60): VU026969.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU026969.D (-3) (-)

1.21

60000

50000

40000

30000

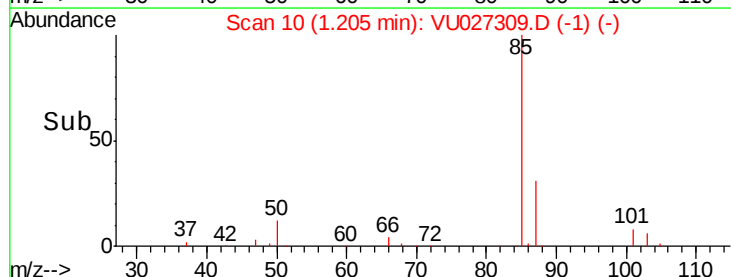
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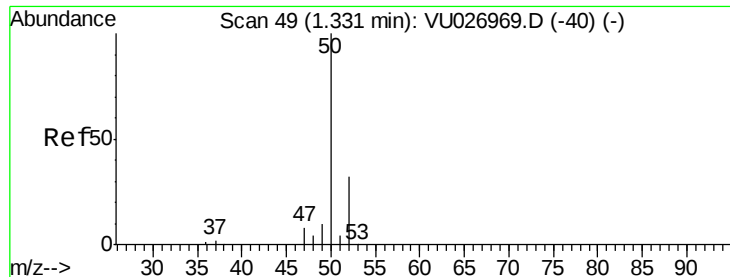
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0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 43.579 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU027309.D

Acq: 29 Sep 2018 06:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 83664

Ion Ratio Lower Upper

50 100

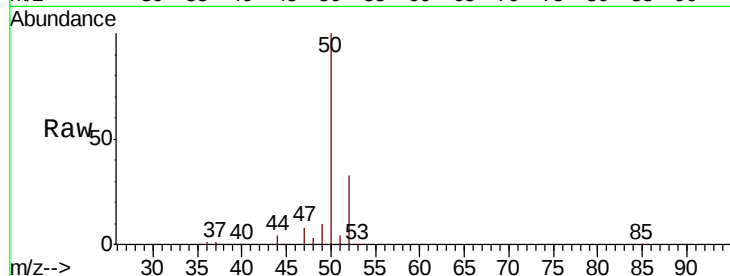
52 32.6 25.9 38.9

Manual Integrations

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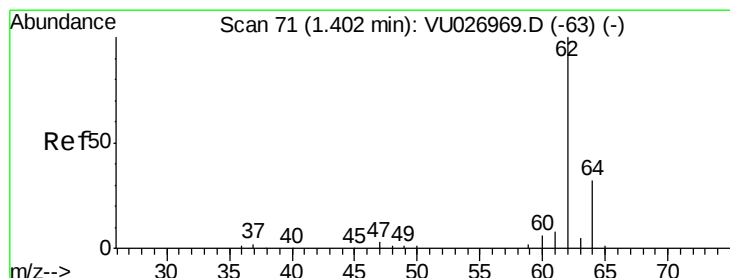
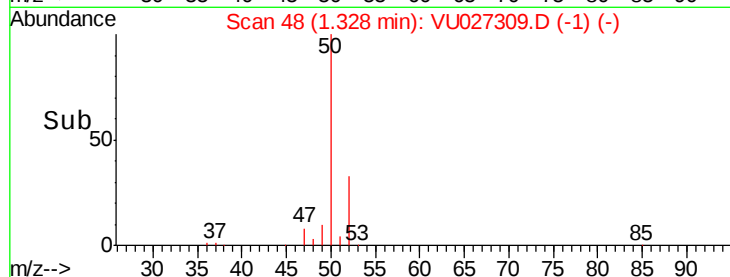
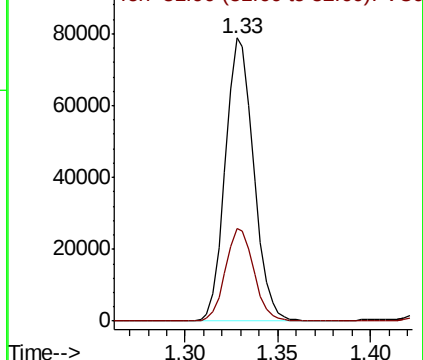
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 47.269 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027309.D

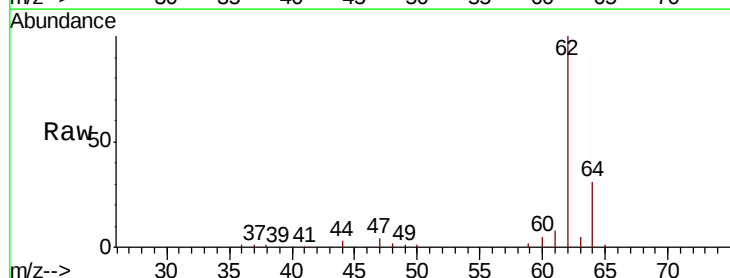
Acq: 29 Sep 2018 06:34

Tgt Ion: 62 Resp: 84709

Ion Ratio Lower Upper

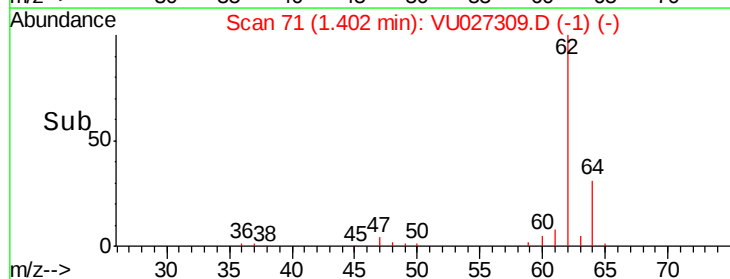
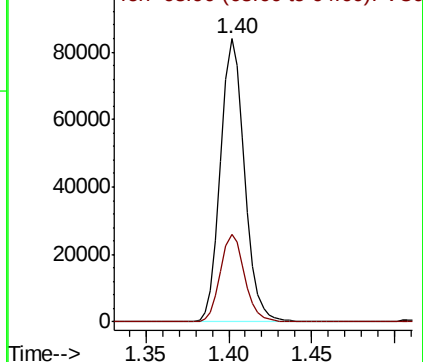
62 100

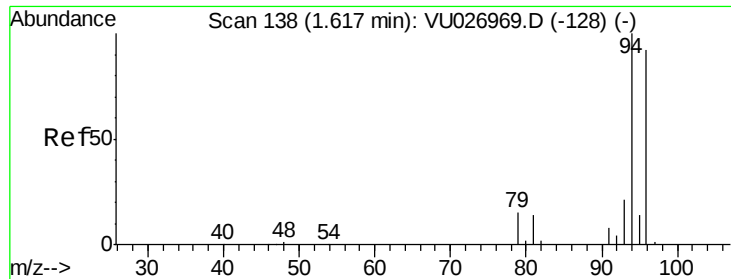
64 31.0 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 66.933 ug/l

RT: 1.61 min Scan# 137

Delta R.T. -0.00 min

Lab File: VU027309.D

Acq: 29 Sep 2018 06:34

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ClientSampleId :

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Tot Ion: 94 Resp: 68305

Ion Ratio Lower Upper

94 100

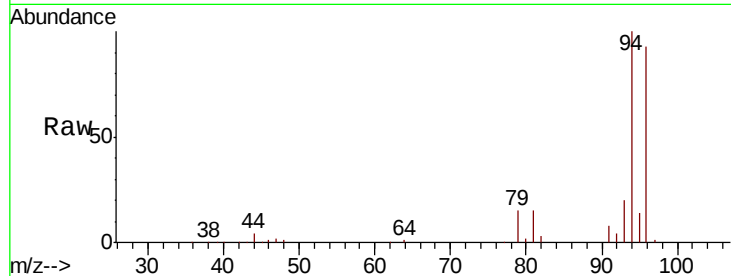
96 92.6 73.2 109.8

Manual Integrations

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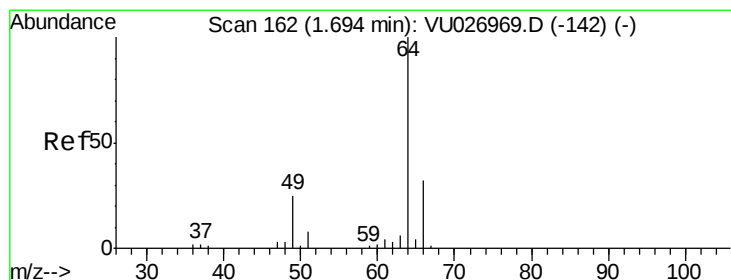
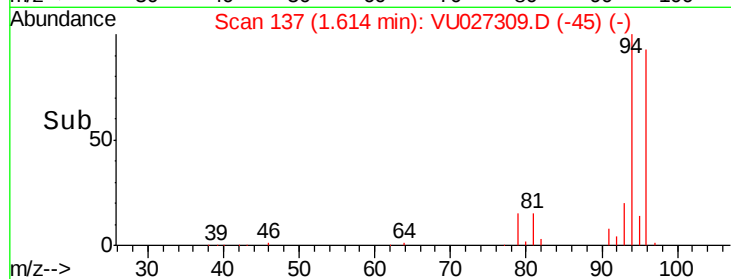
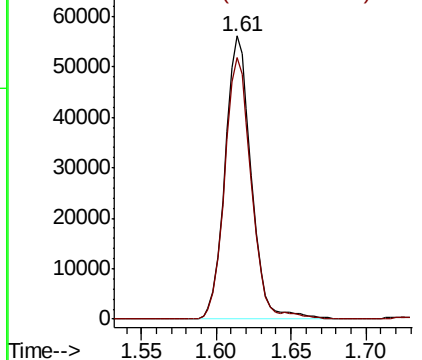
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 44.814 ug/l

RT: 1.69 min Scan# 161

Delta R.T. -0.00 min

Lab File: VU027309.D

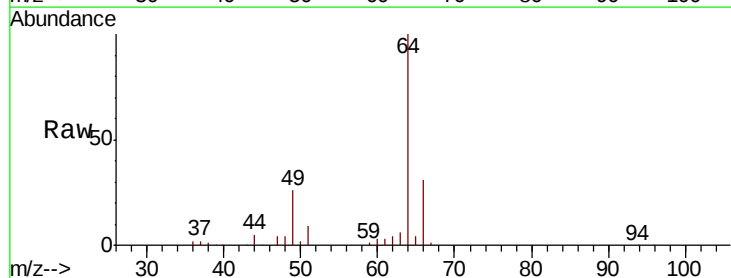
Acq: 29 Sep 2018 06:34

Tgt Ion: 64 Resp: 51312

Ion Ratio Lower Upper

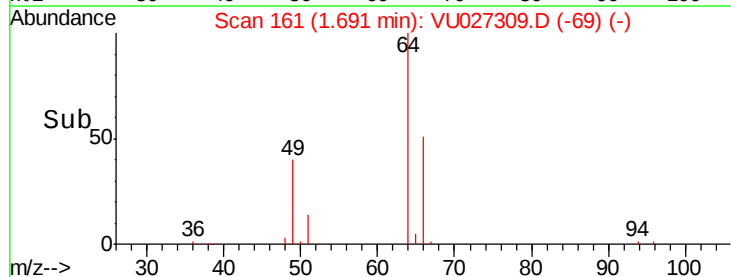
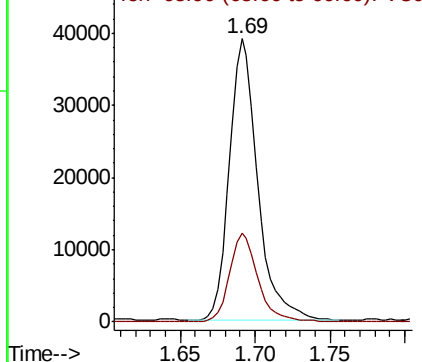
64 100

66 31.6 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

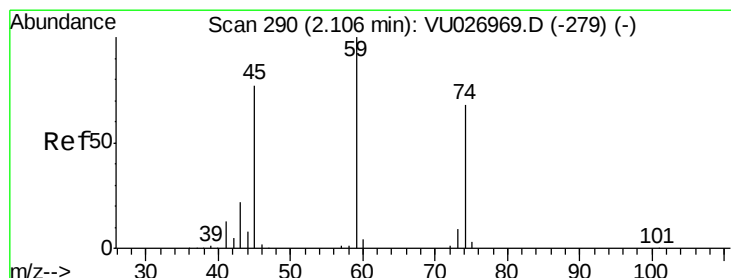
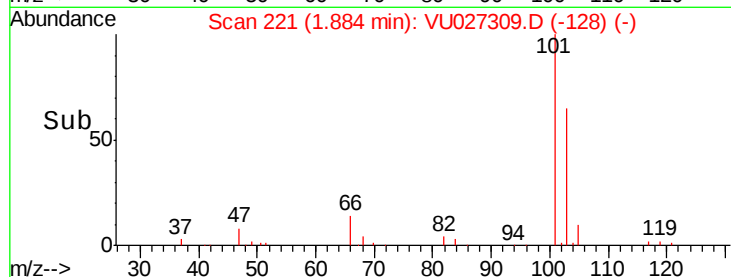
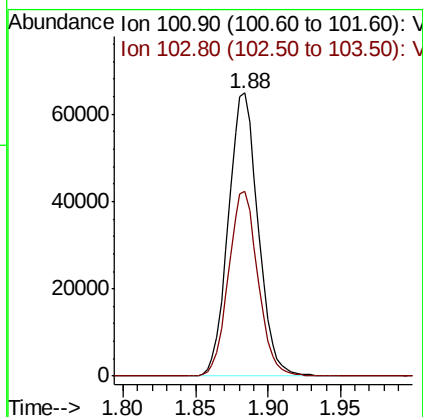
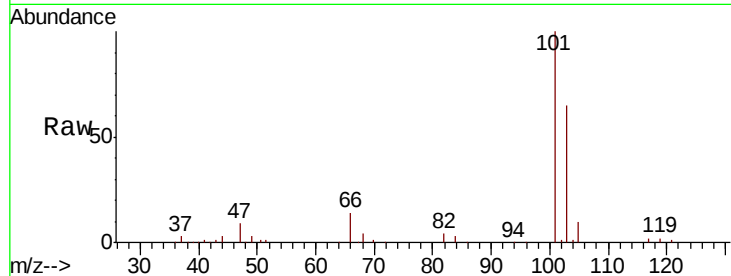
Trichlorofluoromethane
 Concen: 45.289 ug/l
 RT: 1.88 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VU027309.D
 Acq: 29 Sep 2018 06:34

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Tot Ion:101 Resp: 92178
 Ion Ratio Lower Upper
 101 100
 103 65.4 52.2 78.2

Manual Integrations
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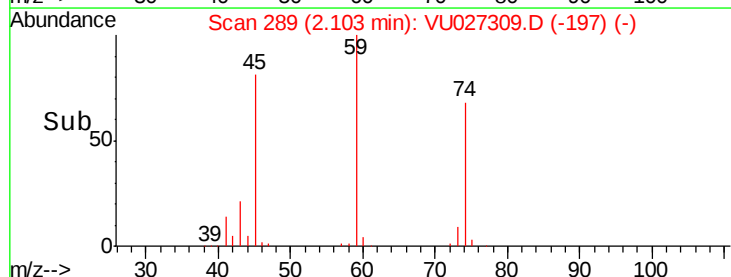
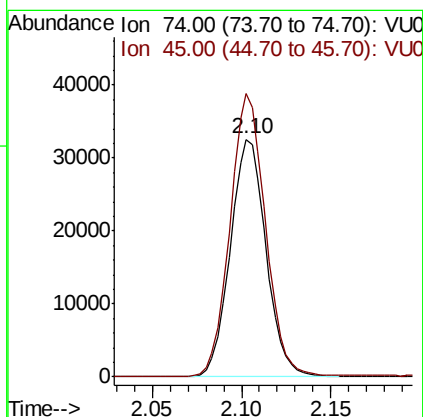
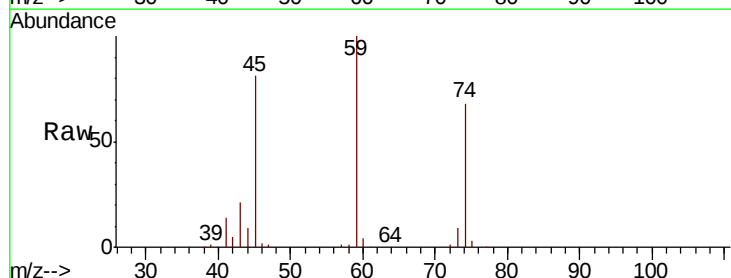
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#8

Diethyl Ether
 Concen: 46.021 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU027309.D
 Acq: 29 Sep 2018 06:34

Tgt Ion: 74 Resp: 45086
 Ion Ratio Lower Upper
 74 100
 45 119.1 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.908 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU027309.D

Acq: 29 Sep 2018 06:34

Instrument :

MSVOA_U

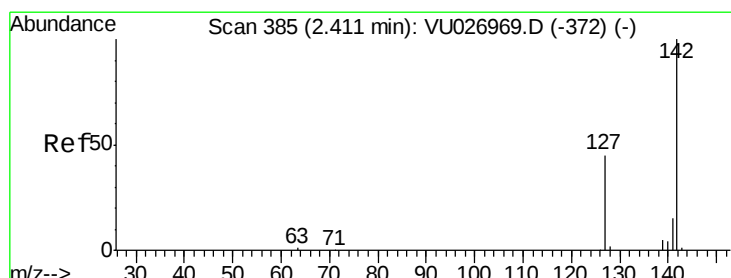
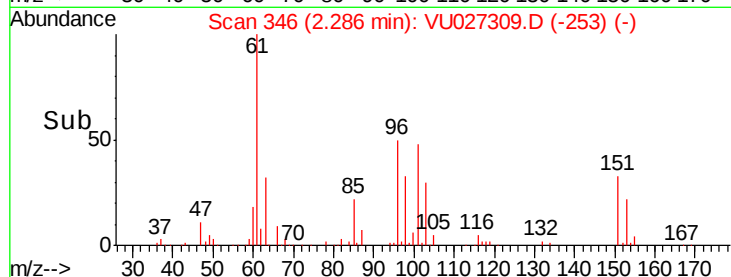
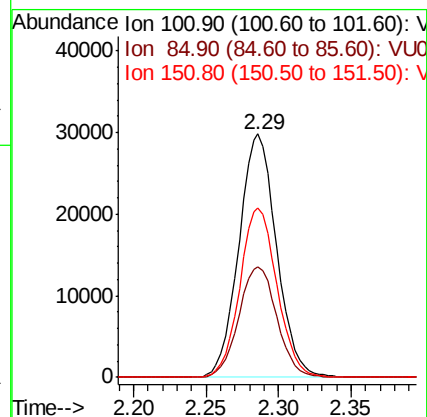
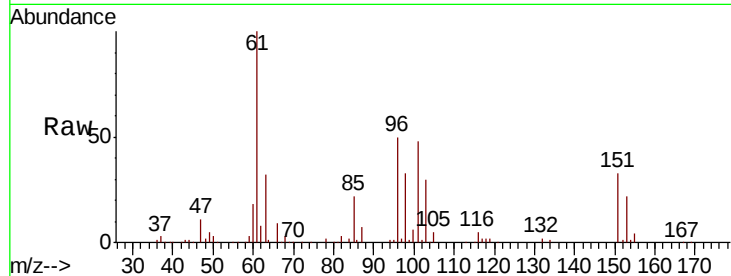
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	53698
Ion Ratio	Lower	Upper	
101	100		
85	45.8	36.2	54.2
151	68.6	54.5	81.7

Manual Integrations
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#10

Methyl Iodide

Concen: 30.809 ug/l

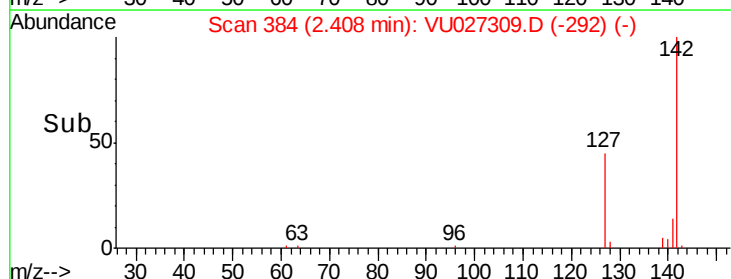
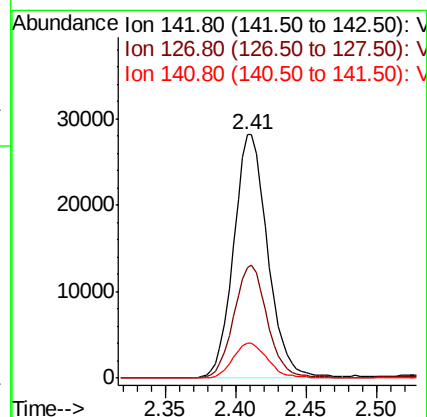
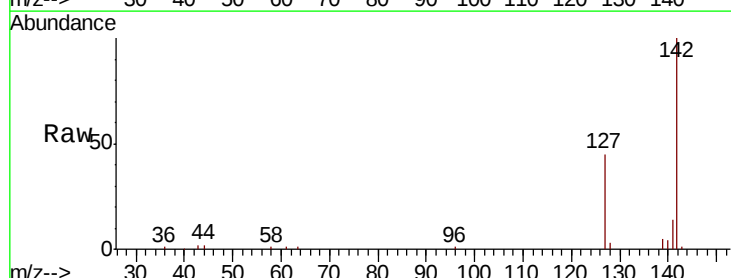
RT: 2.41 min Scan# 384

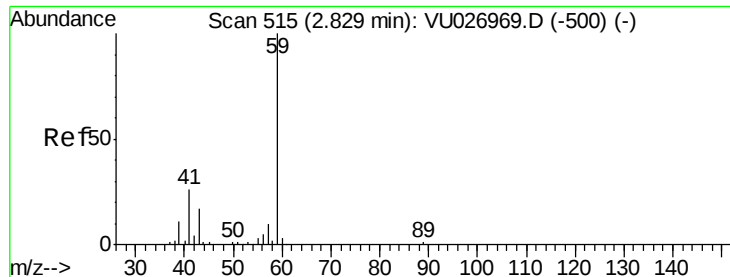
Delta R.T. -0.00 min

Lab File: VU027309.D

Acq: 29 Sep 2018 06:34

Tgt Ion:	142	Resp:	47820
Ion Ratio	Lower	Upper	
142	100		
127	45.6	36.7	55.1
141	14.4	11.8	17.6





#11

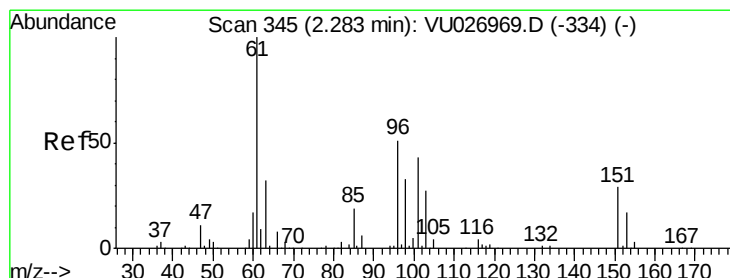
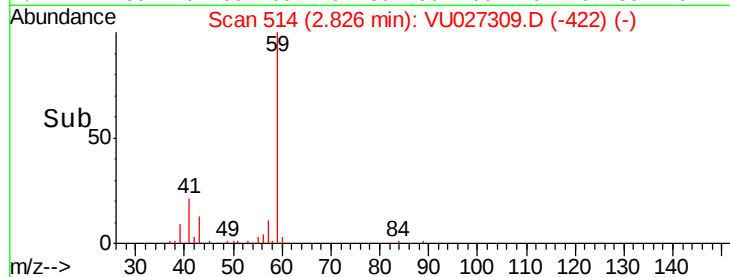
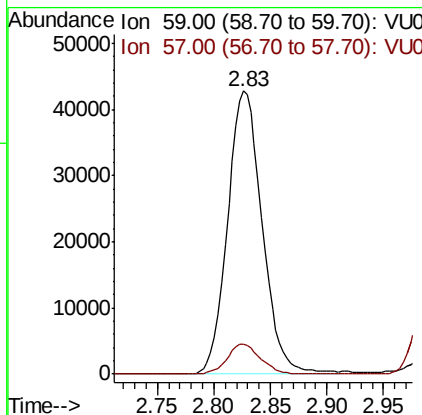
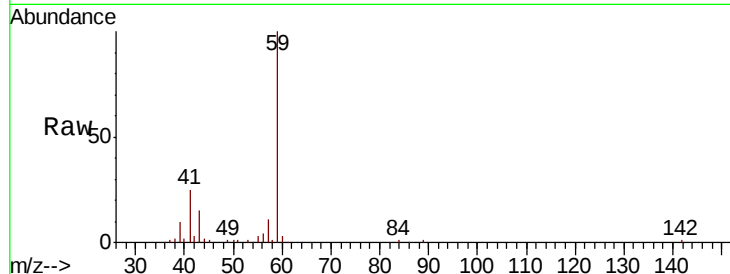
Tert butyl alcohol
 Concen: 231.736 ug/l
 RT: 2.83 min Scan# 514
 Delta R.T. -0.00 min
 Lab File: VU027309.D
 Acq: 29 Sep 2018 06:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	Resp	91173
Ion Ratio	100	Lower	Upper
57	10.0	8.5	12.7

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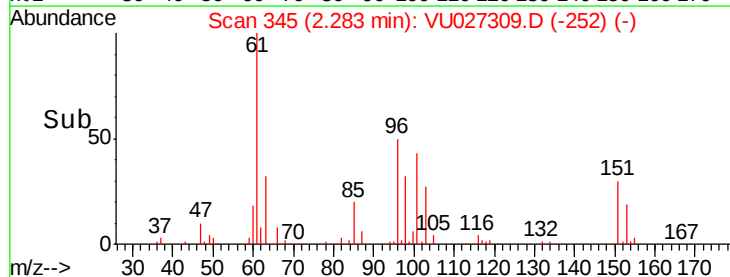
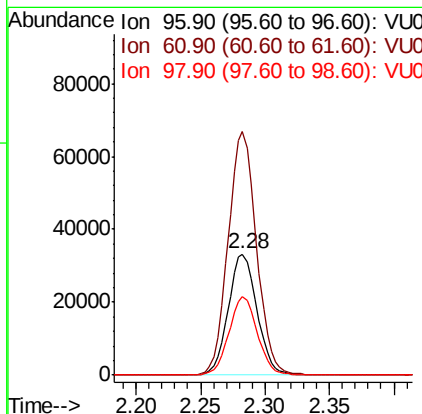
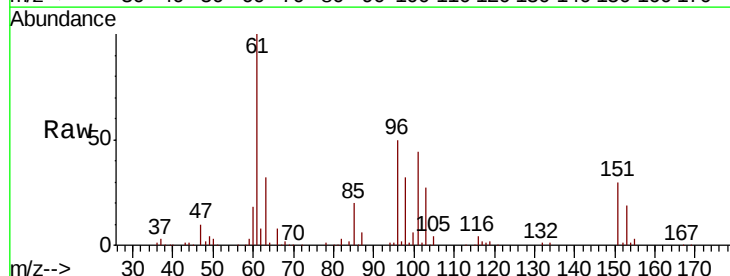
MMDadoda
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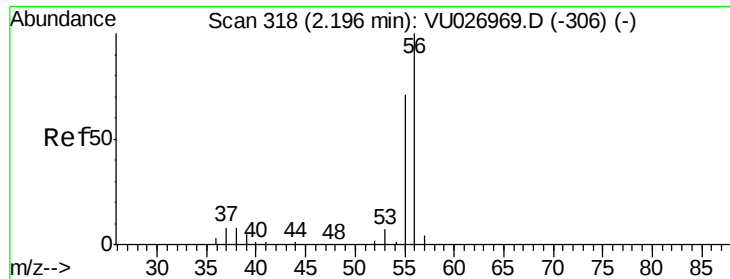


#12

1,1-Dichloroethene
 Concen: 43.568 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VU027309.D
 Acq: 29 Sep 2018 06:34

Tgt Ion	96	Resp	51319
Ion Ratio	100	Lower	Upper
61	200.9	156.1	234.1
98	64.6	51.4	77.0





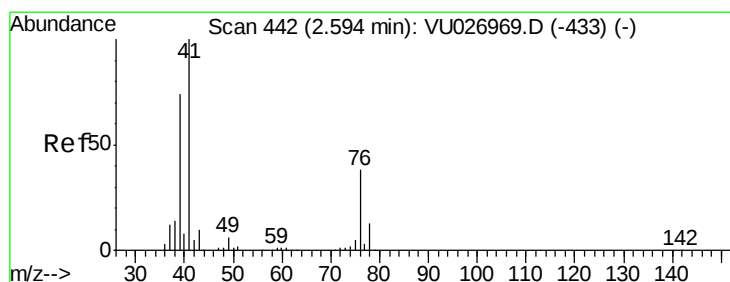
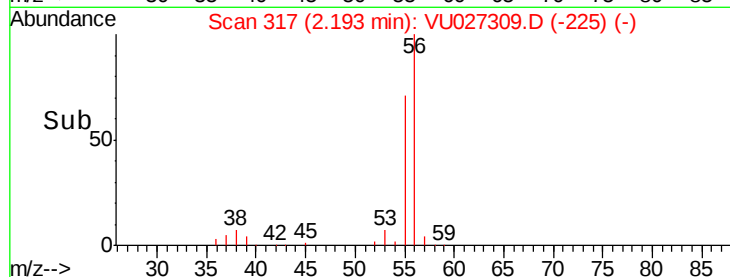
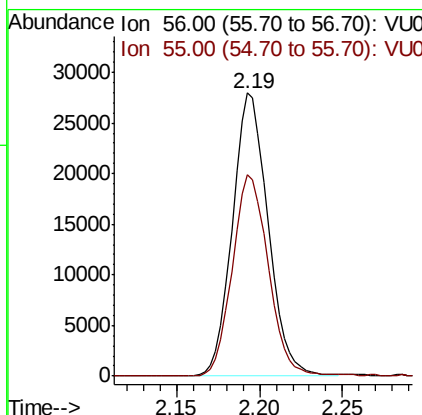
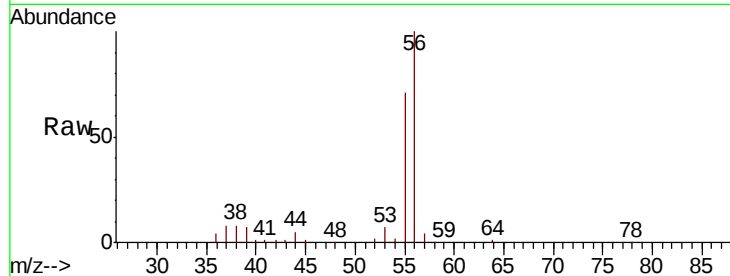
#13
Acrolein
Concen: 197.362 ug/l
RT: 2.19 min Scan# 317
Delta R.T. -0.00 min
Lab File: VU027309.D
Acq: 29 Sep 2018 06:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 41858
Ion Ratio Lower Upper
56 100
55 72.2 57.1 85.7

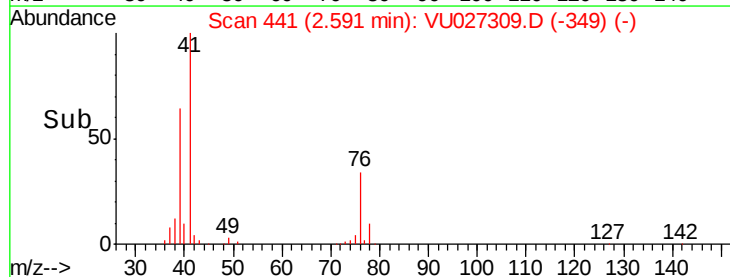
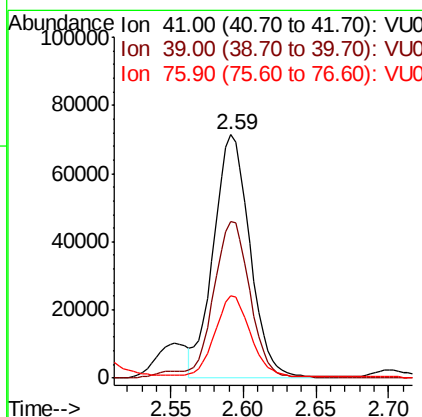
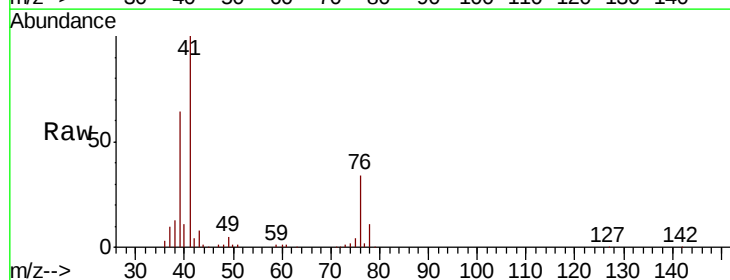
Manual Integrations
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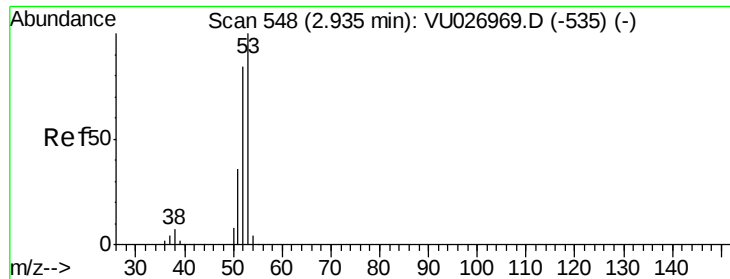
MMDadoda
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#14
Allyl chloride
Concen: 52.074 ug/l
RT: 2.59 min Scan# 441
Delta R.T. -0.00 min
Lab File: VU027309.D
Acq: 29 Sep 2018 06:34

Tgt Ion: 41 Resp: 124409
Ion Ratio Lower Upper
41 100
39 66.1 55.7 83.5
76 32.4 26.5 39.7





#15

Acrylonitrile

Concen: 248.712 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU027309.D

Acq: 29 Sep 2018 06:34

Instrument :

MSVOA_U

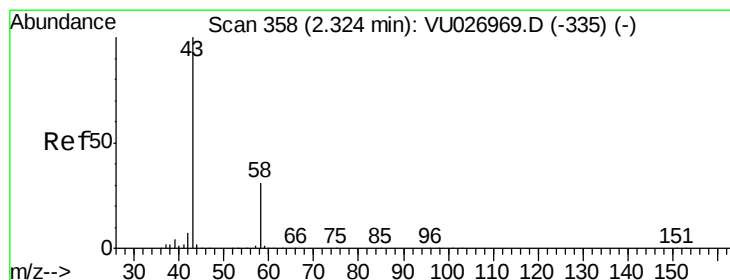
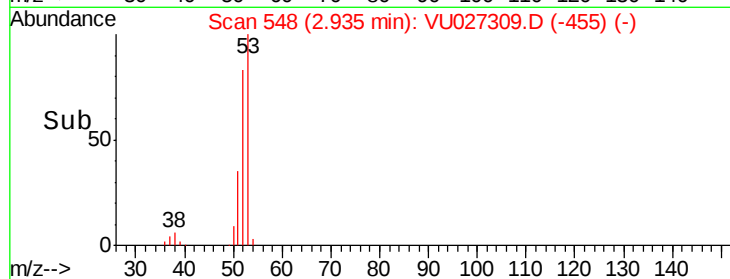
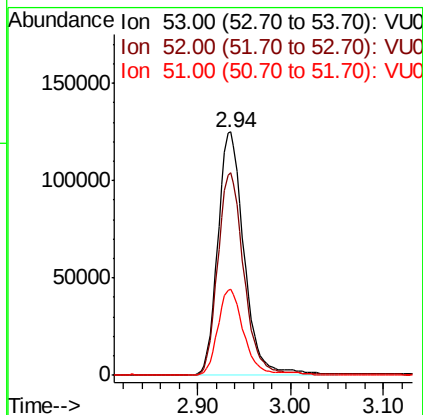
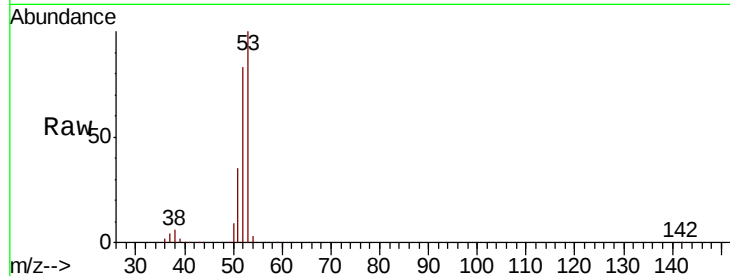
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	246624
Ion	Ratio	Lower	Upper
53	100		
52	82.7	65.7	98.5
51	35.6	27.4	41.2

Manual Integrations
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#16

Acetone

Concen: 226.741 ug/l

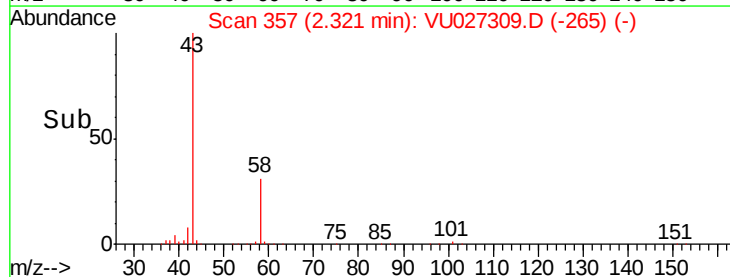
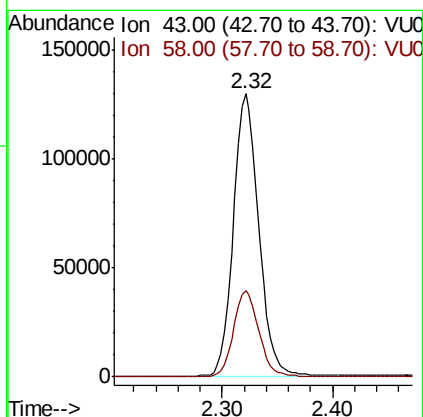
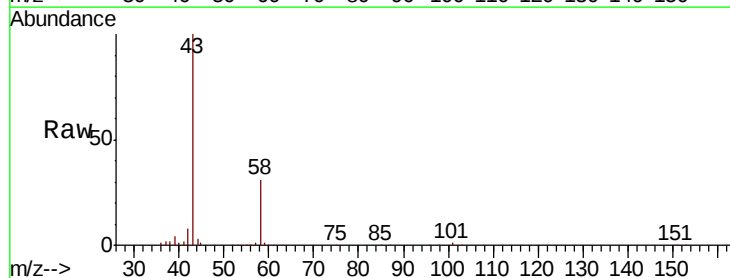
RT: 2.32 min Scan# 357

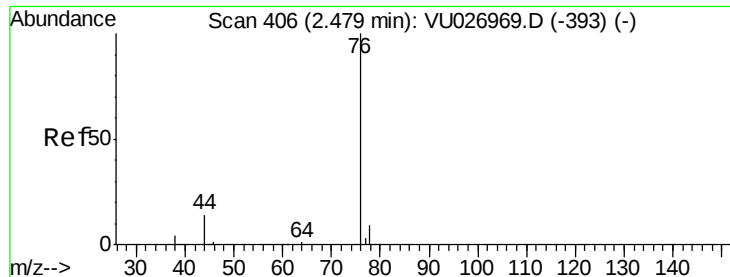
Delta R.T. -0.00 min

Lab File: VU027309.D

Acq: 29 Sep 2018 06:34

Tgt Ion:	43	Resp:	208147
Ion	Ratio	Lower	Upper
43	100		
58	30.7	24.6	36.8





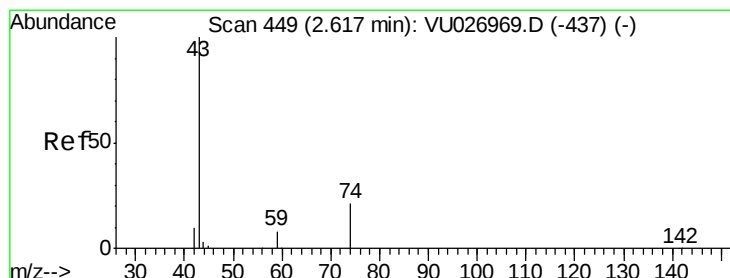
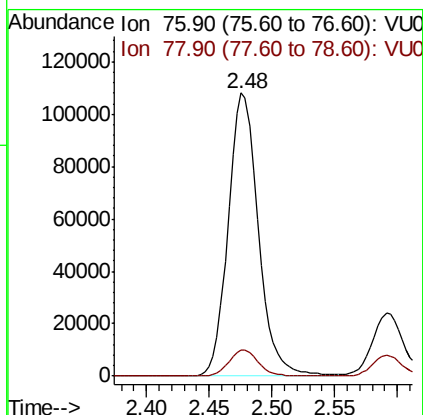
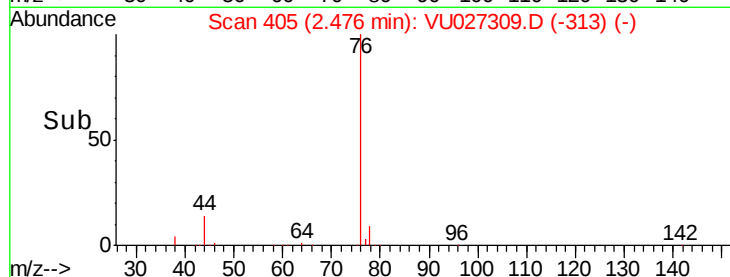
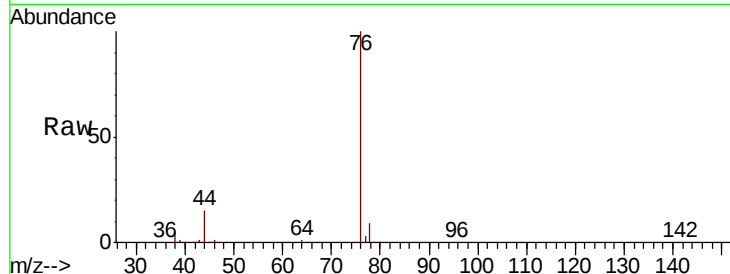
#17
Carbon Disulfide
Concen: 47.142 ug/l
RT: 2.48 min Scan# 405
Delta R.T. -0.00 min
Lab File: VU027309.D
Acq: 29 Sep 2018 06:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7

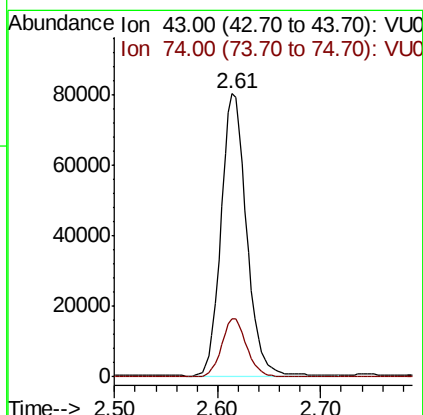
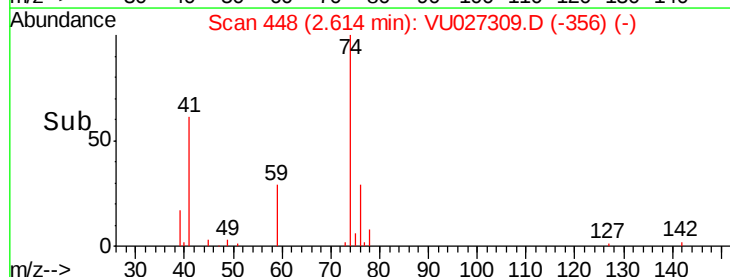
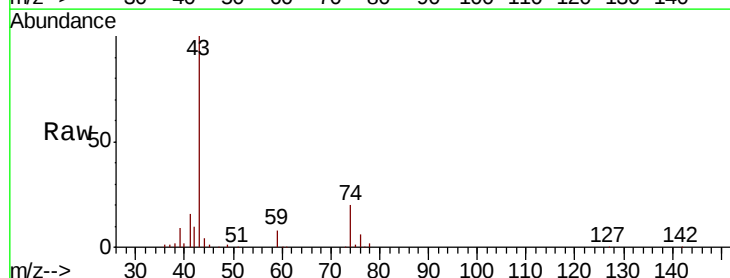
Manual Integrations
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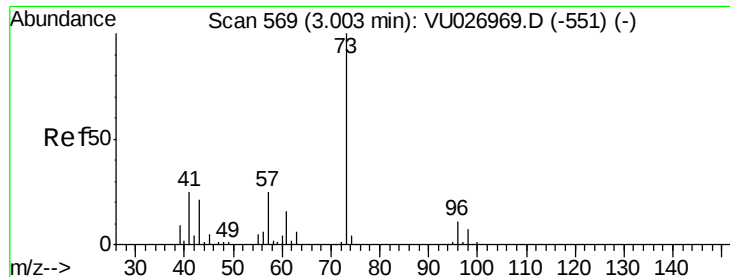
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#18
Methyl Acetate
Concen: 56.243 ug/l
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU027309.D
Acq: 29 Sep 2018 06:34

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.2	16.6	25.0





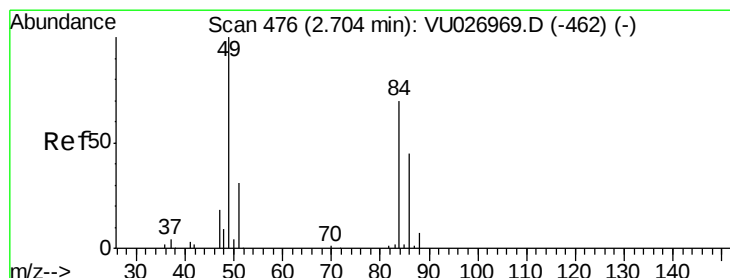
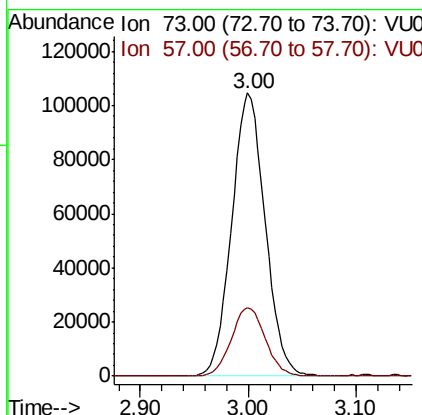
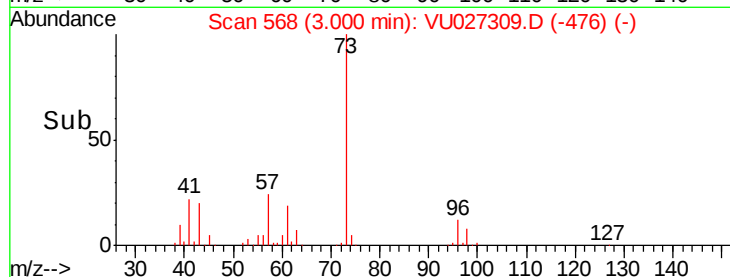
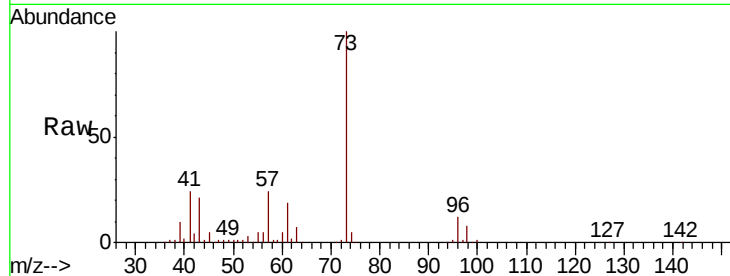
#19
Methyl tert-butyl Ether
Concen: 52.192 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU027309.D
Acq: 29 Sep 2018 06:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.1	19.8	29.6

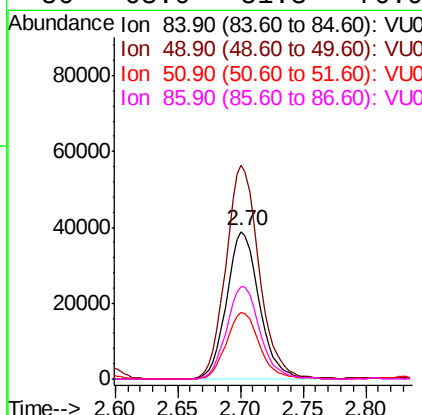
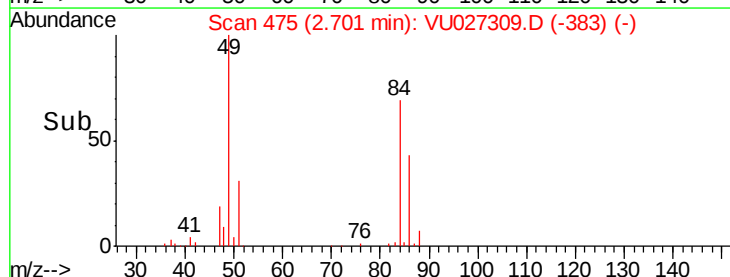
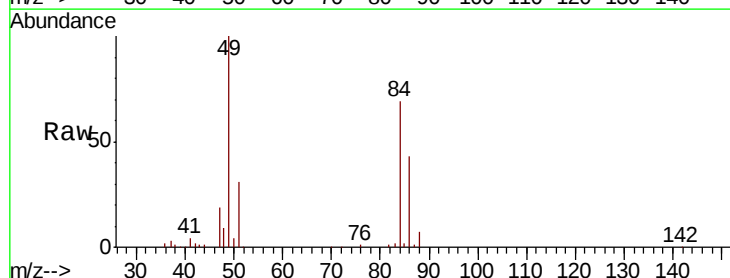
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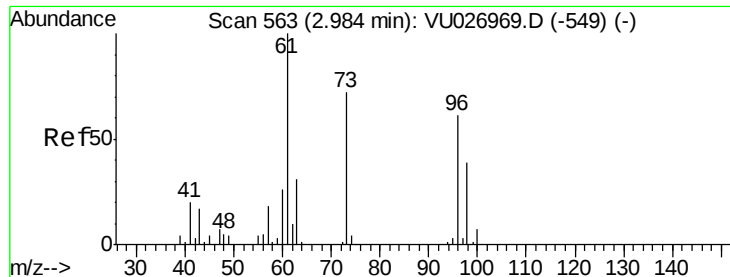
MMDadoda
10/2/2018 1:08:44 PM



#20
Methylene Chloride
Concen: 45.752 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU027309.D
Acq: 29 Sep 2018 06:34

Tgt Ion	Ratio	Lower	Upper
84	100		
49	145.1	114.9	172.3
51	45.1	35.8	53.8
86	63.0	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 48.838 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU027309.D

Acq: 29 Sep 2018 06:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 61420

Ion Ratio Lower Upper

96 100

61 161.2 131.8 197.6

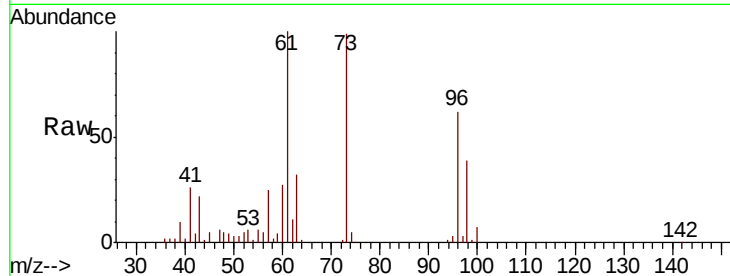
98 63.0 50.9 76.3

Manual Integrations

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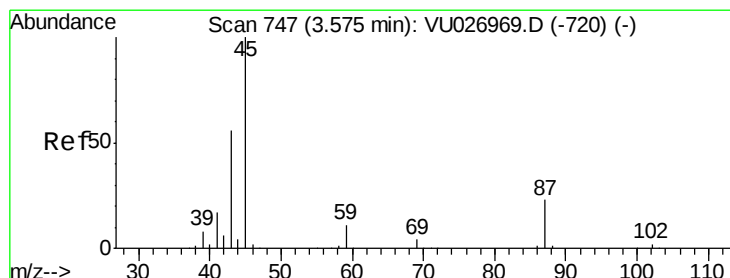
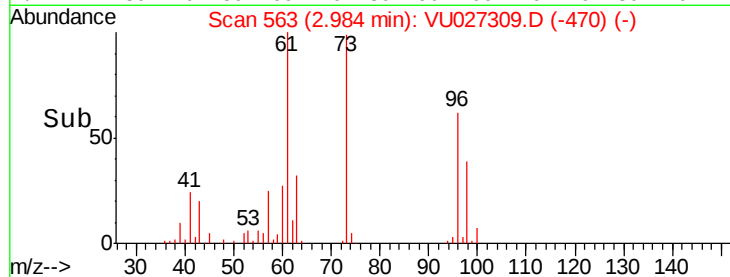
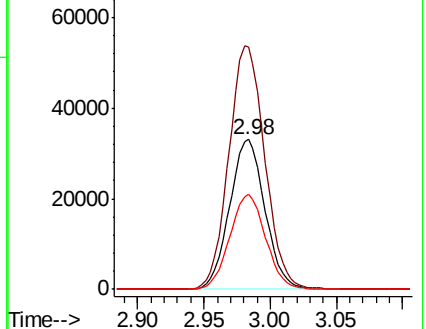
10/2/2018 1:08:44 PM



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 54.255 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU027309.D

Acq: 29 Sep 2018 06:34

Tgt Ion: 45 Resp: 277245

Ion Ratio Lower Upper

45 100

43 54.5 45.8 68.6

87 21.7 18.6 28.0

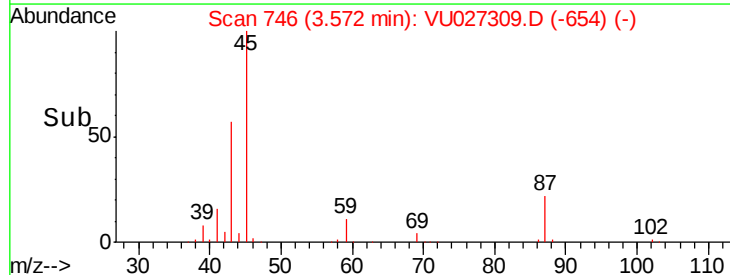
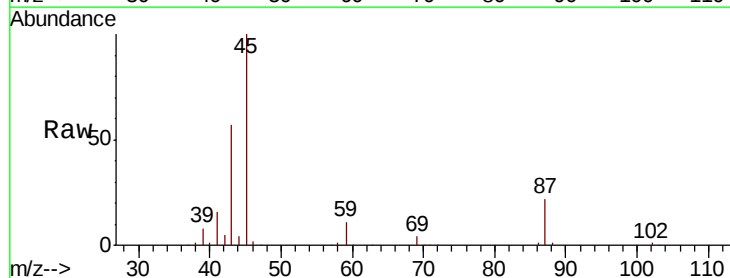
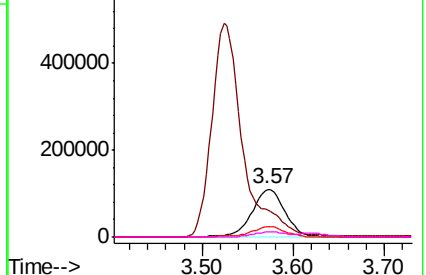
59 10.7 9.0 13.4

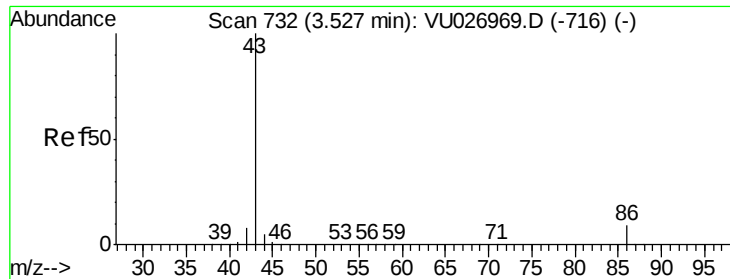
Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 269.298 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU027309.D

Acq: 29 Sep 2018 06:34

Tot Ion: 43 Resp: 1173037

Ion Ratio Lower Upper

43 100

86 8.6 7.2 10.8

Instrument :

MSVOA_U

ClientSampleId :

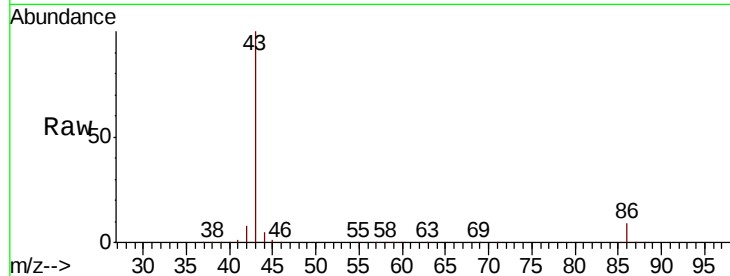
VSTDCCC050EC

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU027309.D (-639) (-)

Ion 86.00 (85.70 to 86.70): VU027309.D (-639) (-)

3.52

500000

400000

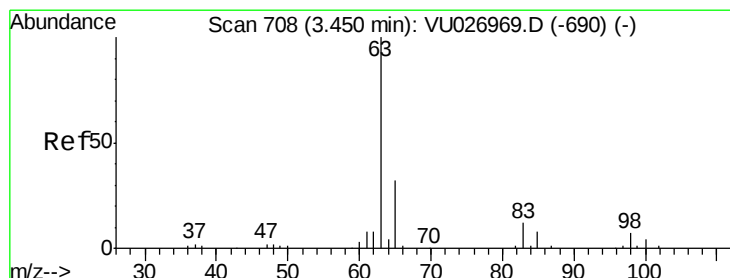
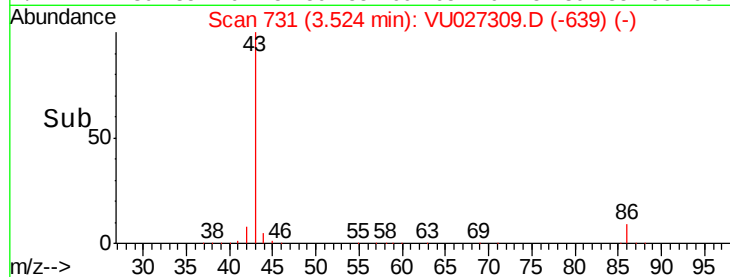
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 50.101 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027309.D

Acq: 29 Sep 2018 06:34

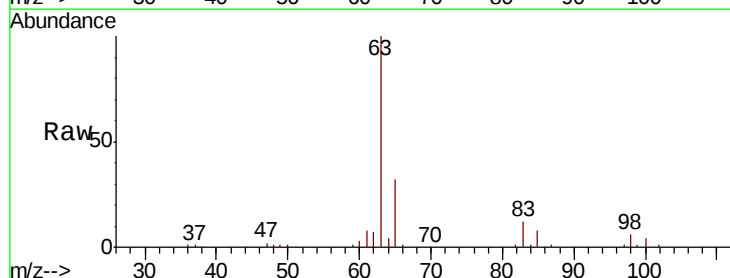
Tgt Ion: 63 Resp: 141005

Ion Ratio Lower Upper

63 100

98 6.0 3.3 9.8

100 3.6 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VU027309.D (-615) (-)

Ion 97.90 (97.60 to 98.60): VU027309.D (-615) (-)

Ion 99.90 (99.60 to 100.60): VU027309.D (-615) (-)

3.45

80000

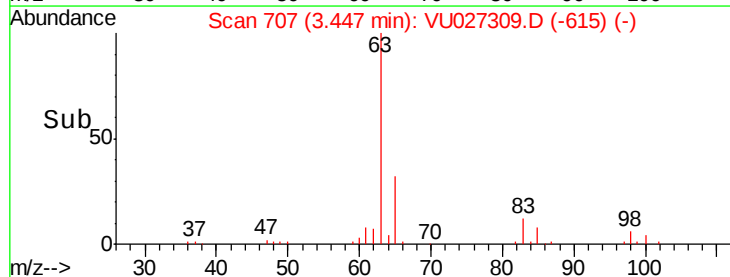
60000

40000

20000

0

Time-->





#25

2-Butanone

Concen: 240.416 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU027309.D

Acq: 29 Sep 2018 06:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 346807

Ion Ratio Lower Upper

43 100

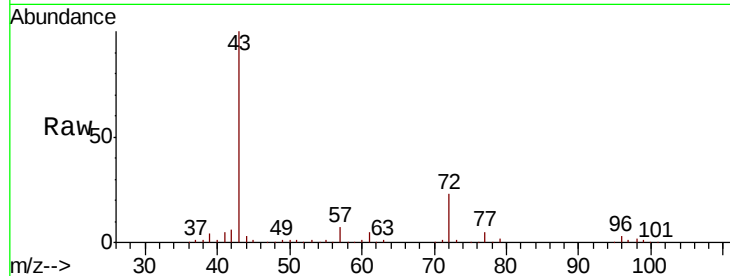
72 22.7 18.4 27.6

Manual Integrations

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10/2/2018 1:08:44 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

150000

100000

50000

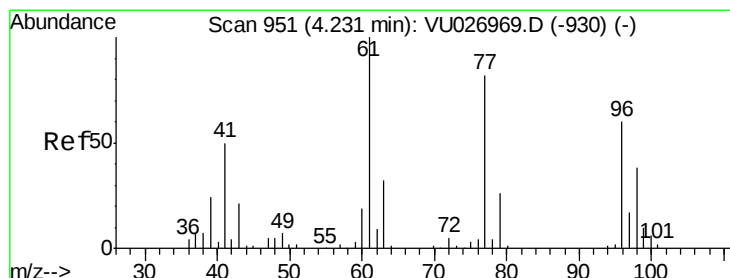
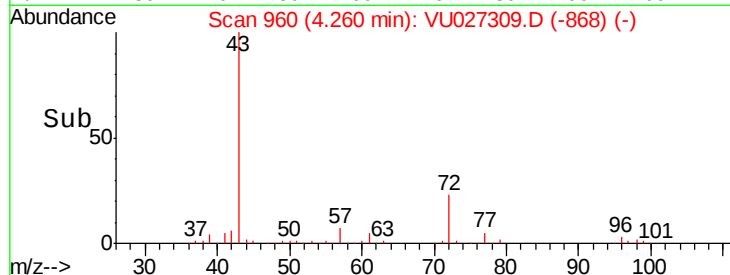
0

4.26

4.20

4.30

Time-->



#26

2,2-Dichloropropane

Concen: 38.417 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027309.D

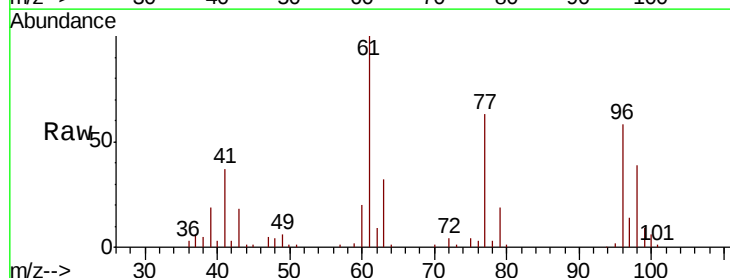
Acq: 29 Sep 2018 06:34

Tgt Ion: 77 Resp: 84322

Ion Ratio Lower Upper

77 100

97 21.8 10.5 31.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

30000

20000

10000

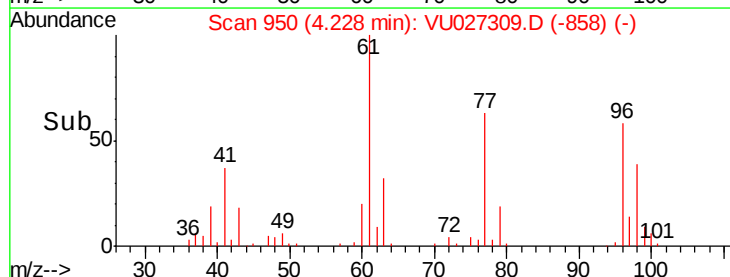
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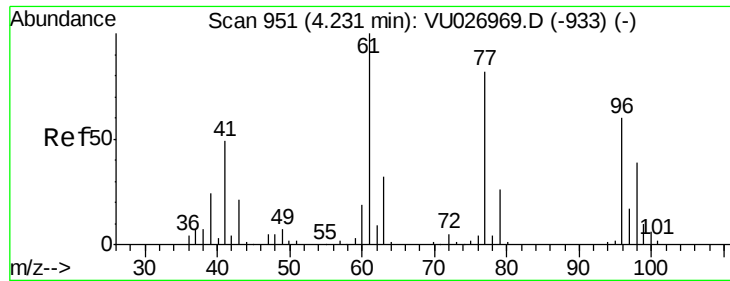
4.23

4.20

4.30

Time-->





#27

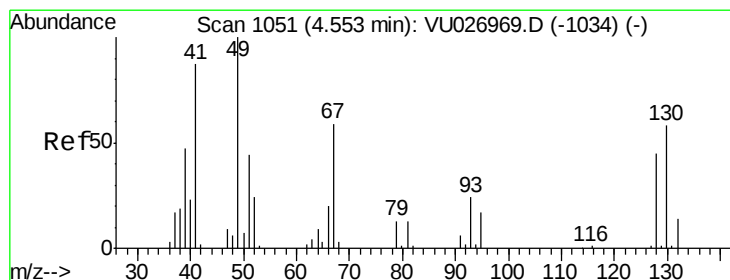
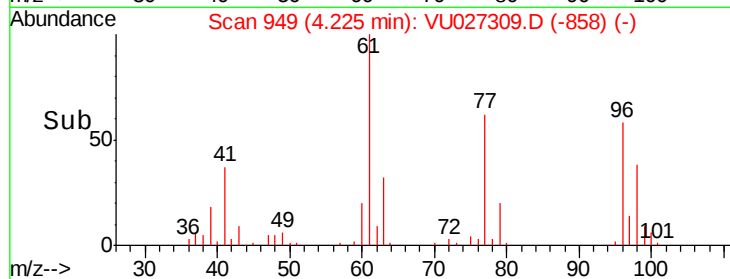
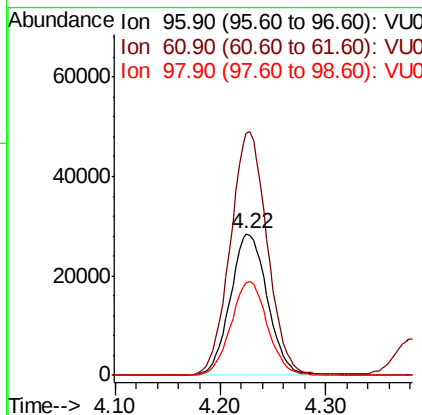
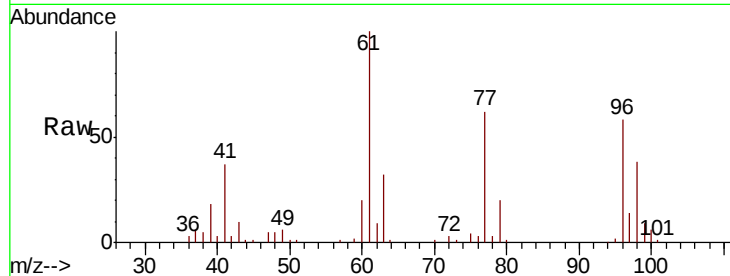
cis-1,2-Dichloroethene
Concen: 48.952 ug/l
RT: 4.22 min Scan# 949
Delta R.T. -0.01 min
Lab File: VU027309.D
Acq: 29 Sep 2018 06:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	171.5	0.0	337.2
98	65.2	0.0	127.6

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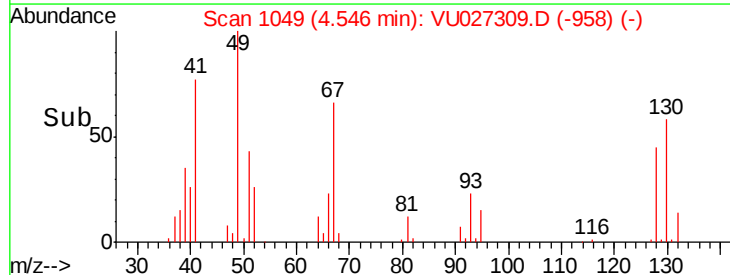
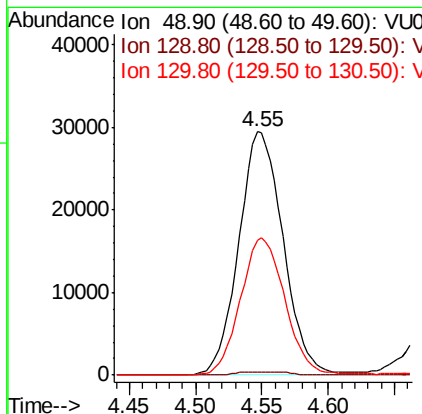
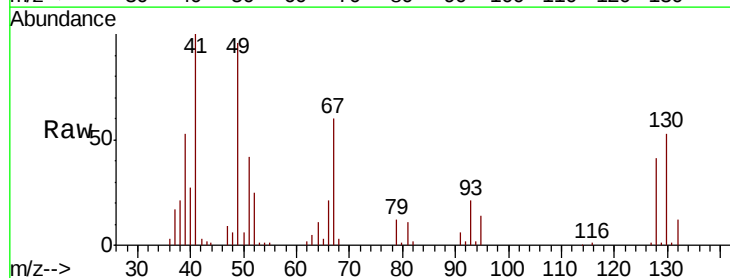
MMDadoda
10/2/2018 1:08:44 PM

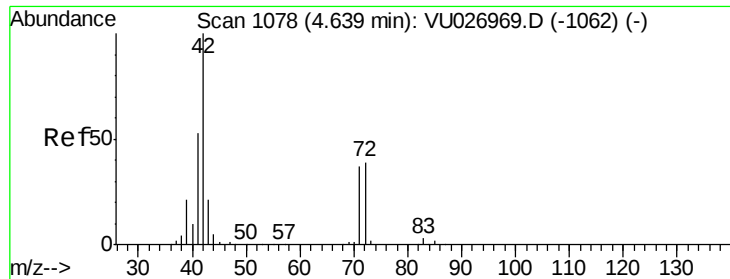


#28

Bromochloromethane
Concen: 50.498 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VU027309.D
Acq: 29 Sep 2018 06:34

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	3.0
130	56.6	47.8	71.8





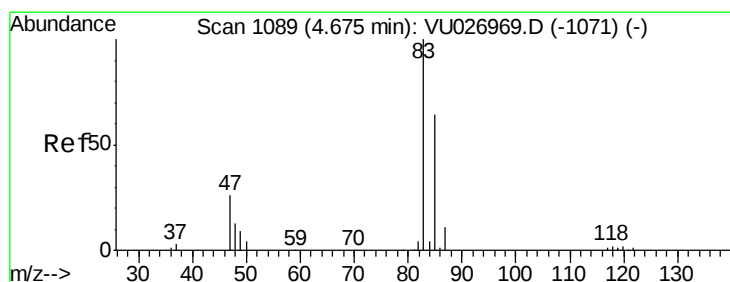
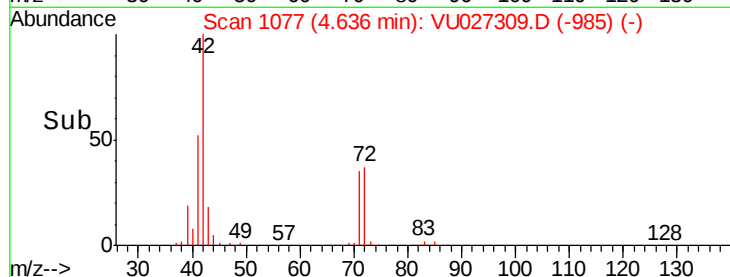
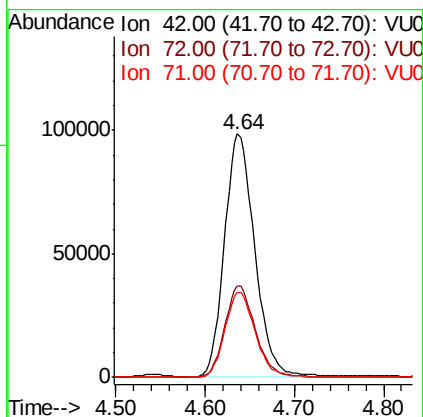
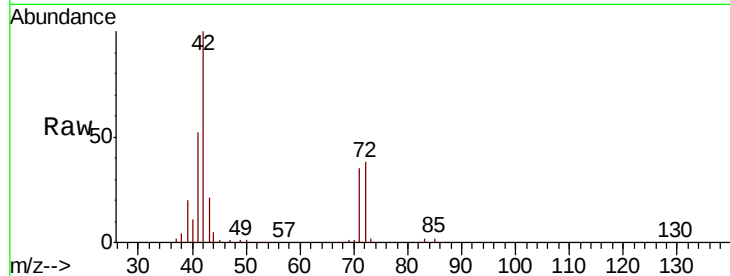
#29
Tetrahydrofuran
Concen: 264.530 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VU027309.D
Acq: 29 Sep 2018 06:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.1	31.7	47.5
71	35.1	29.6	44.4

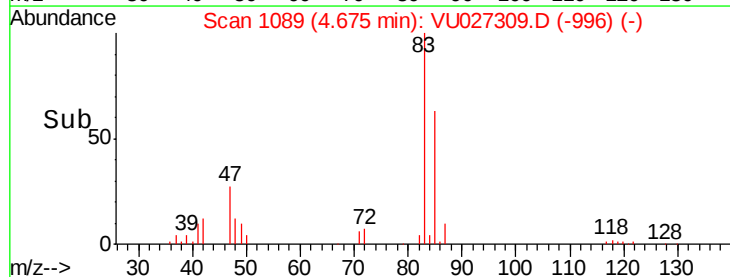
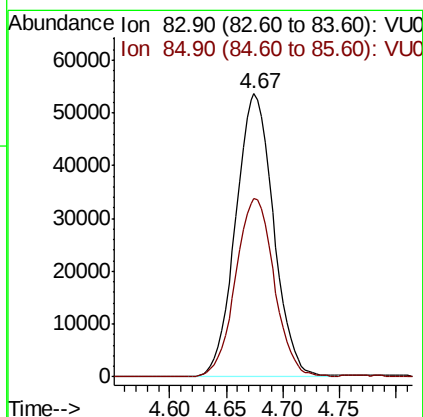
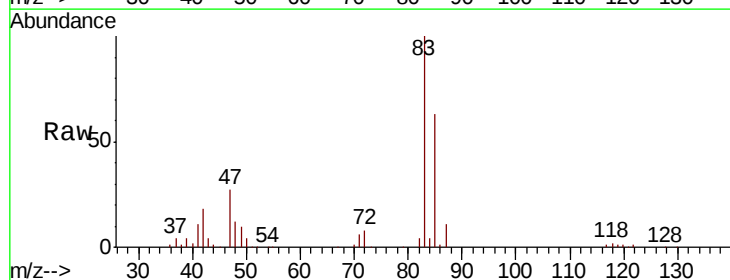
Manual Integrations
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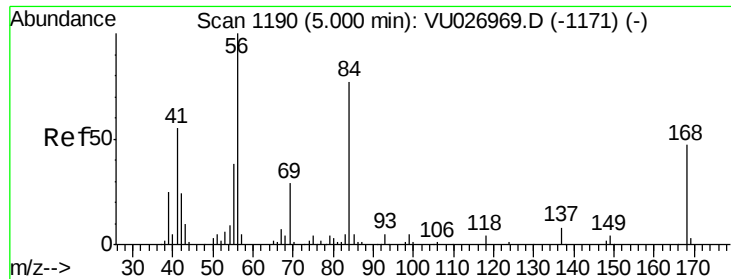
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#30
Chloroform
Concen: 47.927 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU027309.D
Acq: 29 Sep 2018 06:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.5	77.3





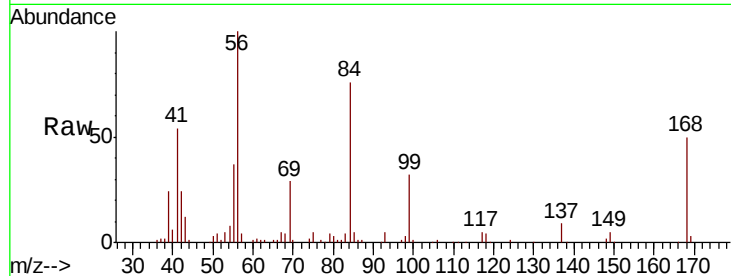
#31
Cyclohexane
Concen: 50.761 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU027309.D
Acq: 29 Sep 2018 06:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

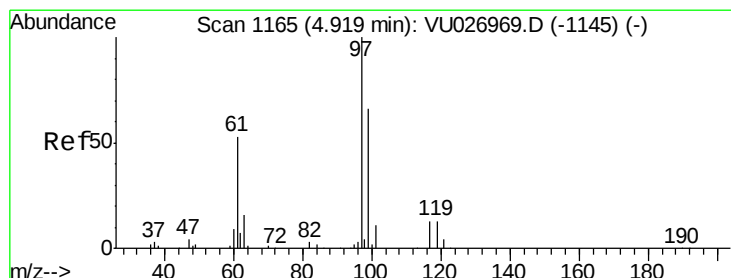
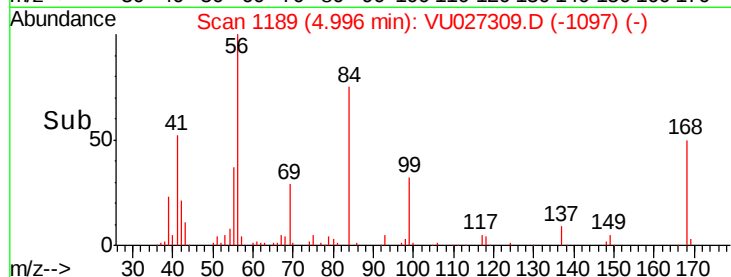
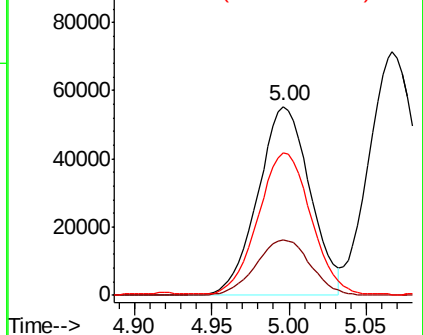
Tot Ion	Ratio	Lower	Upper
56	100		
69	29.3	23.0	34.4
84	75.1	61.4	92.2

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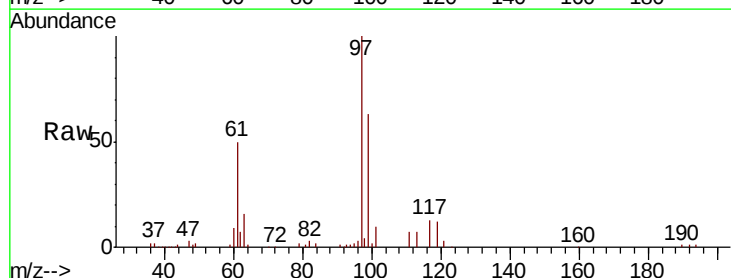


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

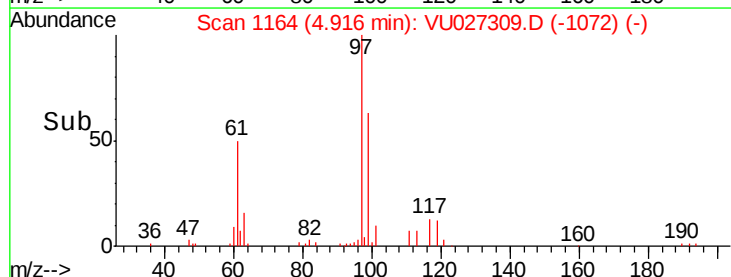
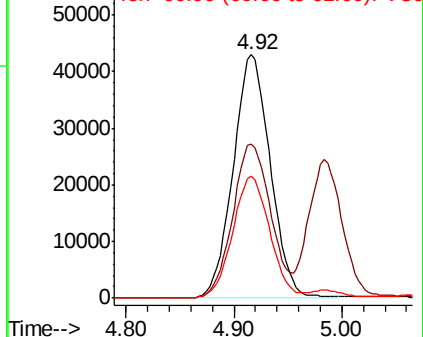


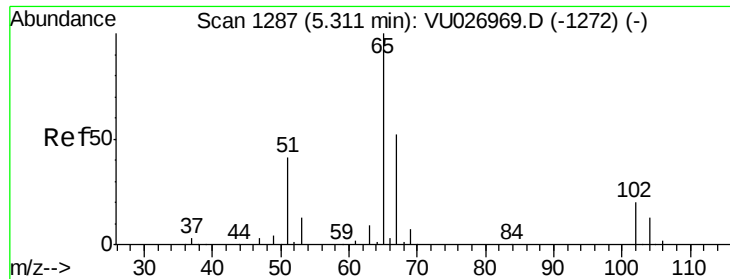
#32
1,1,1-Trichloroethane
Concen: 49.485 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU027309.D
Acq: 29 Sep 2018 06:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.8	77.6
61	49.9	41.1	61.7



Abundance Ion 96.90 (96.60 to 97.60): VU0
Ion 98.90 (98.60 to 99.60): VU0
Ion 60.90 (60.60 to 61.60): VU0





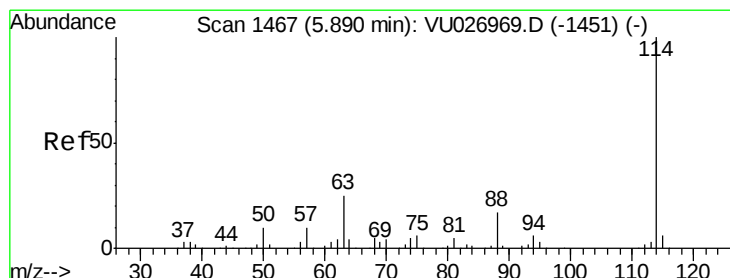
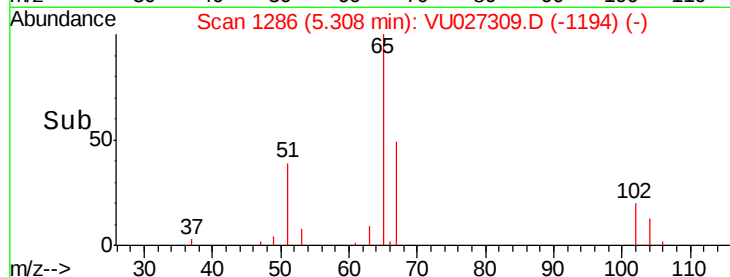
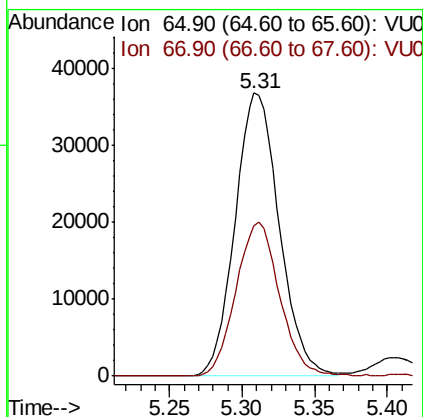
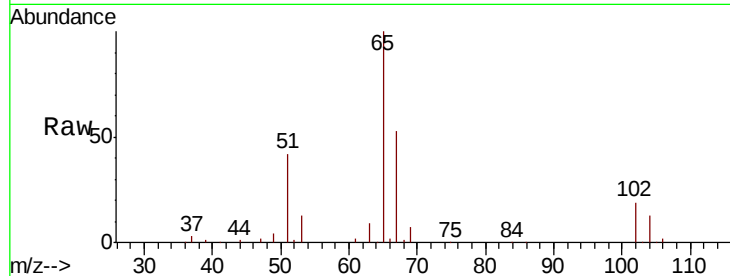
#33
 1,2-Dichloroethane-d4
 Concen: 45.405 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU027309.D
 Acq: 29 Sep 2018 06:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 65 Resp: 77938
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 105.6

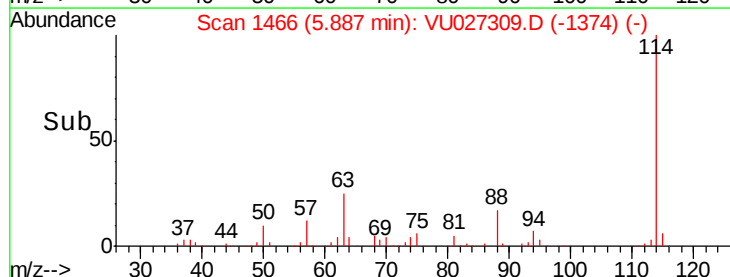
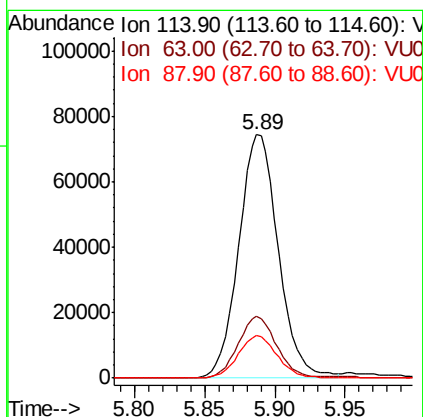
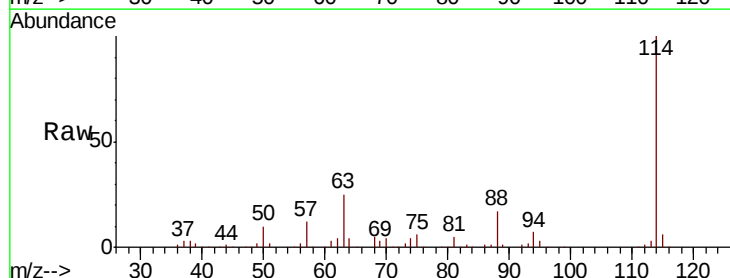
Manual Integrations
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027309.D
 Acq: 29 Sep 2018 06:34

Tgt Ion: 114 Resp: 146219
 Ion Ratio Lower Upper
 114 100
 63 25.3 0.0 49.2
 88 17.3 0.0 33.8





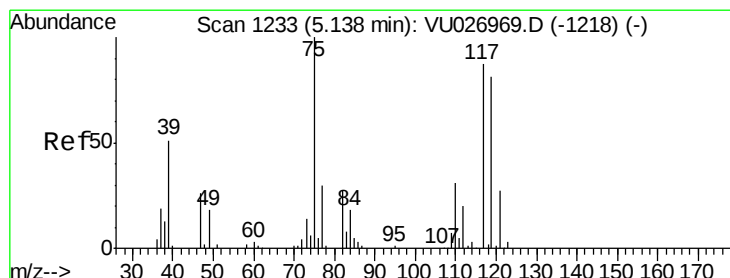
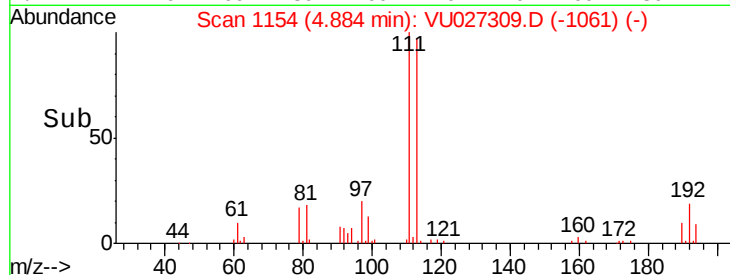
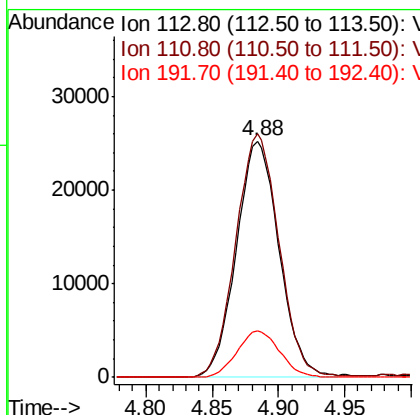
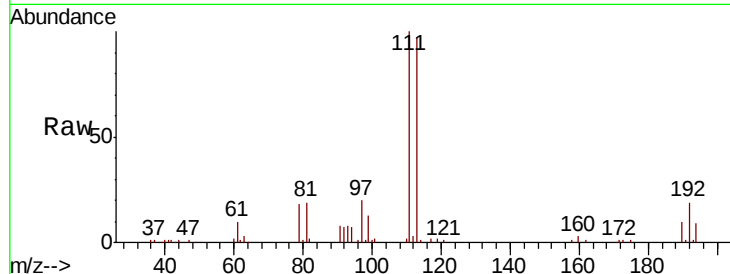
#35
 Dibromofluoromethane
 Concen: 44.609 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027309.D
 Acq: 29 Sep 2018 06:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.6	82.2	123.4
192	19.6	15.2	22.8

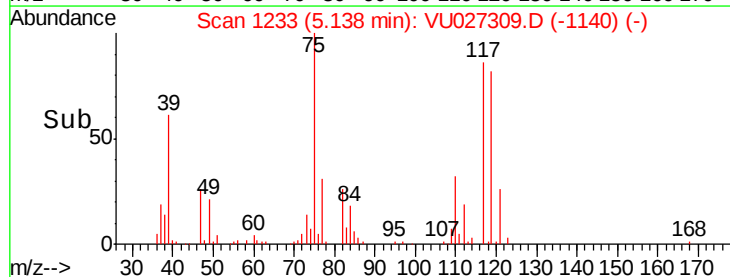
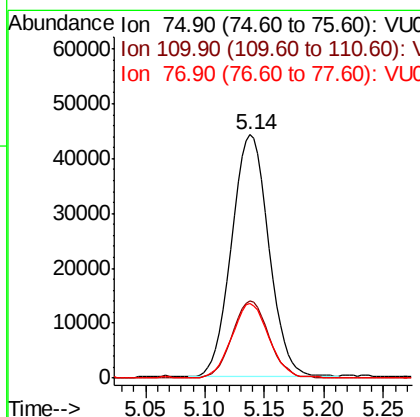
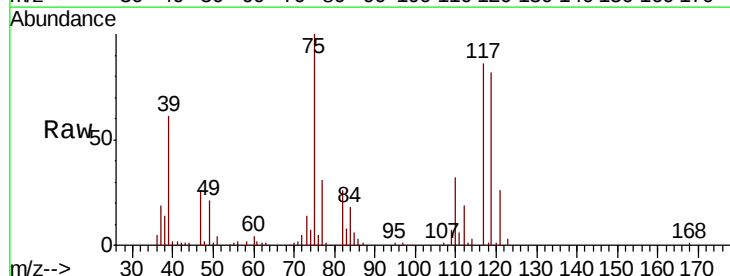
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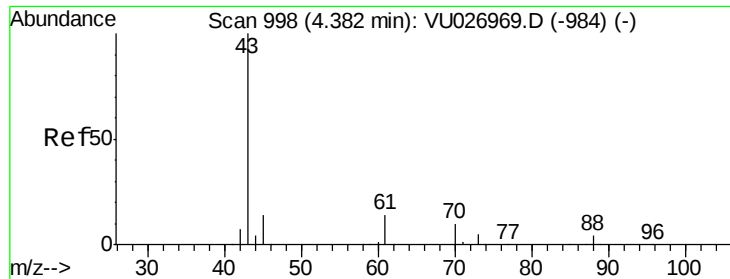
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#36
 1,1-Dichloropropene
 Concen: 48.908 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU027309.D
 Acq: 29 Sep 2018 06:34

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.7	16.1	48.2
77	31.1	24.6	36.8





#37

Ethyl Acetate

Concen: 49.043 ug/l

RT: 4.38 min Scan# 998

Delta R.T. 0.00 min

Lab File: VU027309.D

Acq: 29 Sep 2018 06:34

Instrument :

MSVOA_U

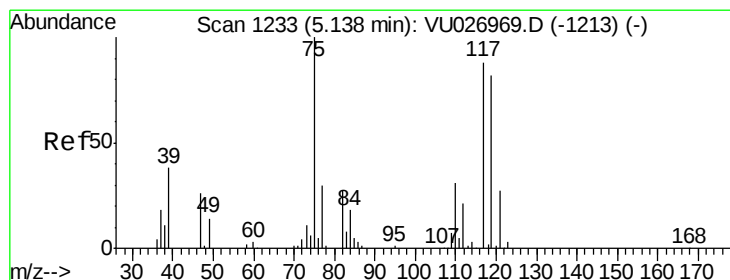
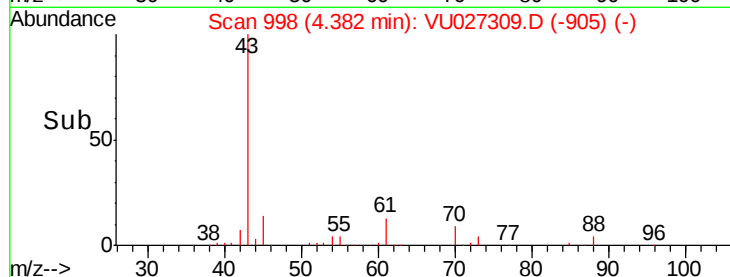
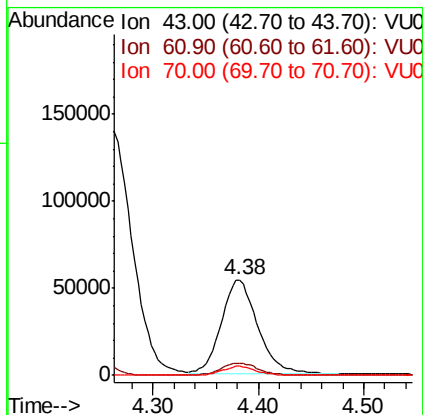
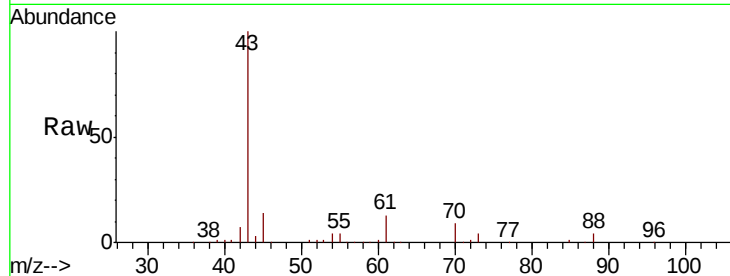
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	129560
Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.5	15.7
70	9.0	7.4	11.0

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#38

Carbon Tetrachloride

Concen: 47.498 ug/l

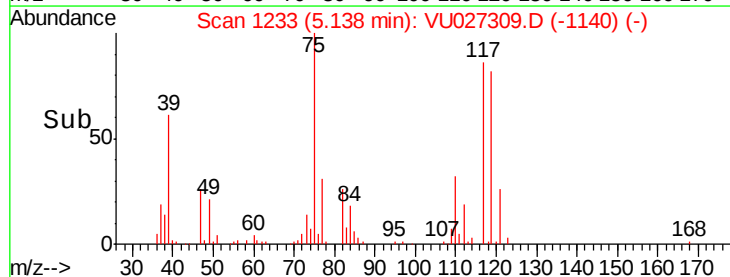
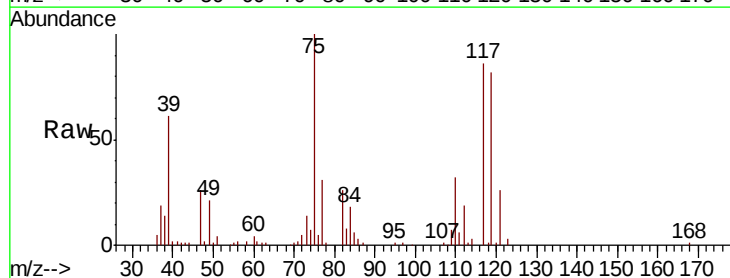
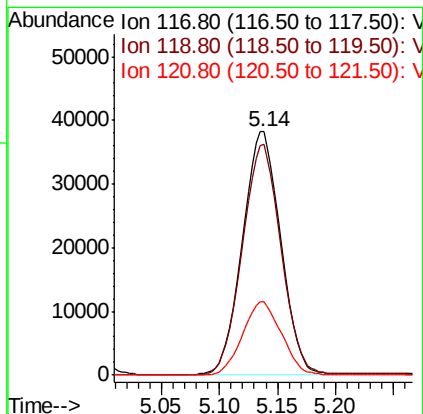
RT: 5.14 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU027309.D

Acq: 29 Sep 2018 06:34

Tgt Ion:	117	Resp:	88207
Ion	Ratio	Lower	Upper
117	100		
119	94.7	74.4	111.6
121	30.3	24.2	36.4





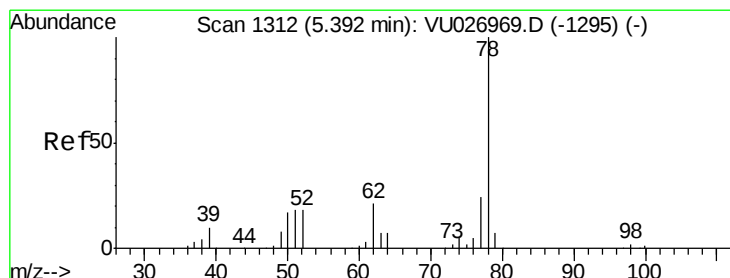
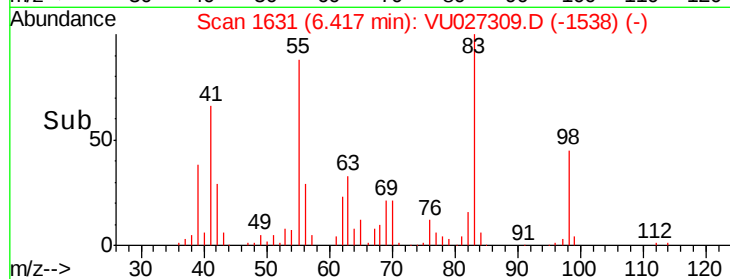
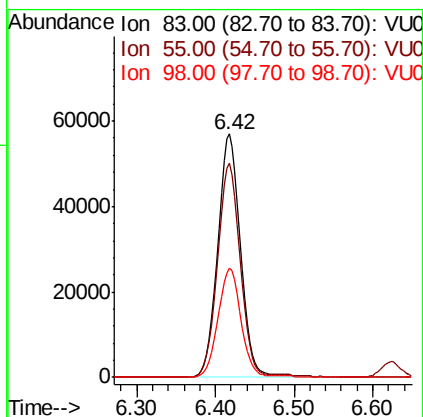
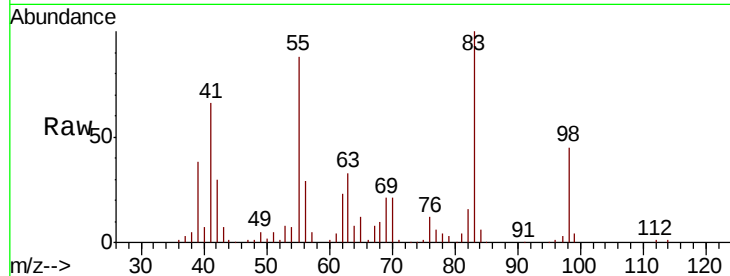
#39
Methvlcvclohexane
Concen: 53.660 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU027309.D
Acq: 29 Sep 2018 06:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	113796
Ion Ratio	Lower	Upper	
83	100		
55	87.7	69.9	104.9
98	44.7	37.5	56.3

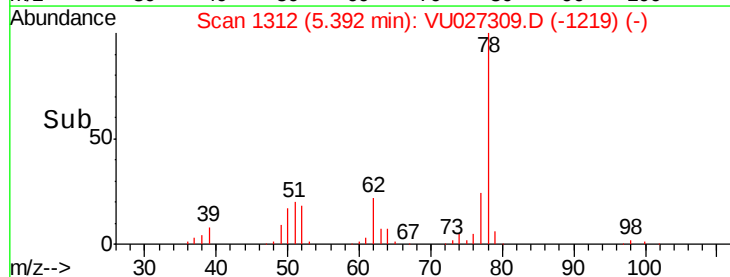
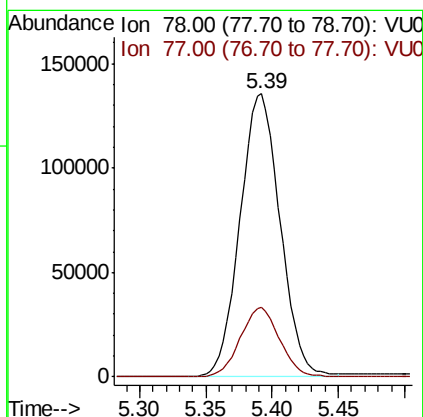
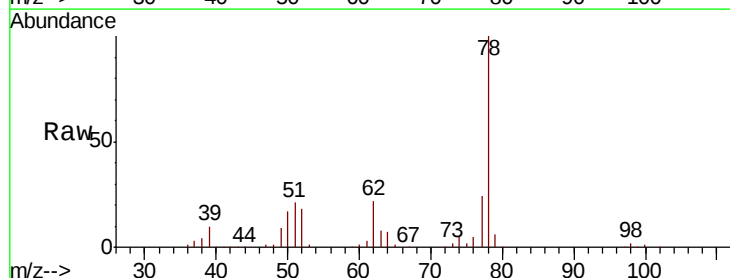
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#40
Benzene
Concen: 48.149 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU027309.D
Acq: 29 Sep 2018 06:34

Tgt Ion	78	Resp	285637
Ion Ratio	Lower	Upper	
78	100		
77	24.4	19.4	29.0





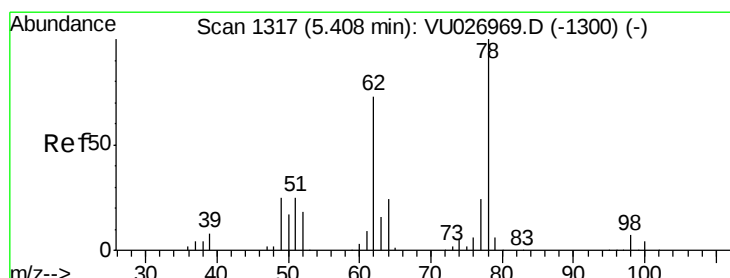
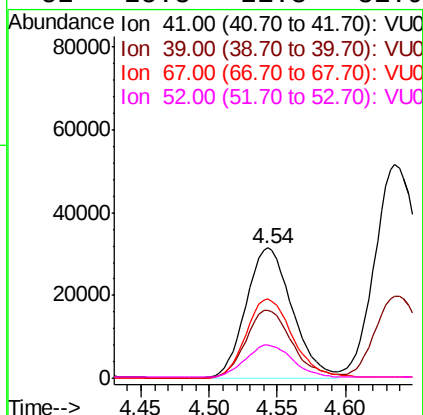
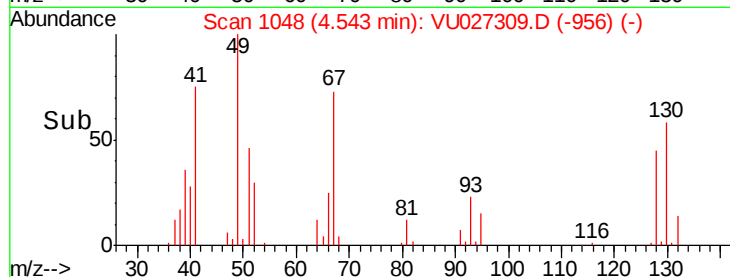
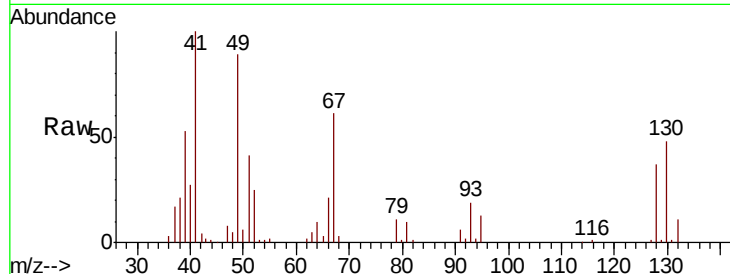
#41
Methacrylonitrile
Concen: 54.296 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU027309.D
Acq: 29 Sep 2018 06:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.6	42.9	64.3	
67	61.5	52.4	78.6	
52	25.3	21.3	31.9	

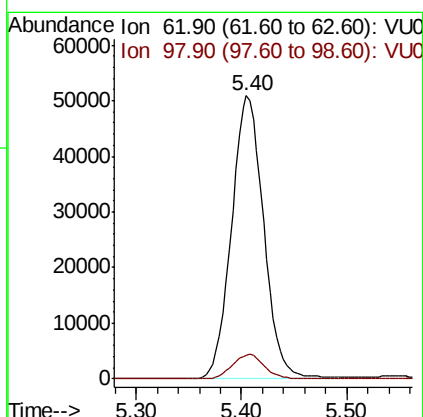
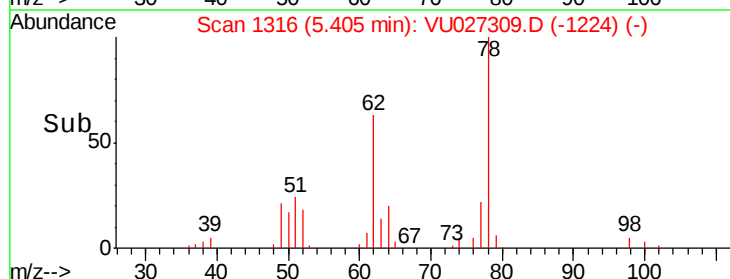
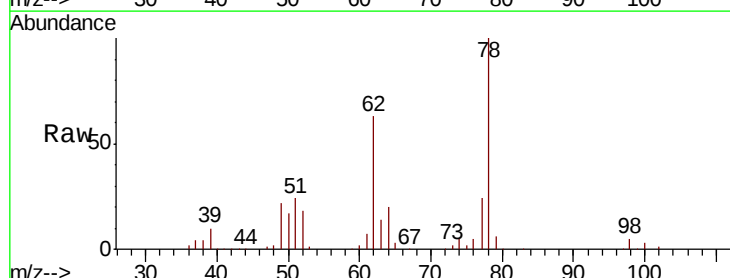
Manual Integrations
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10/2/2018 1:08:44 PM



#42
1,2-Dichloroethane
Concen: 47.988 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU027309.D
Acq: 29 Sep 2018 06:34

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.4	0.0	17.0	





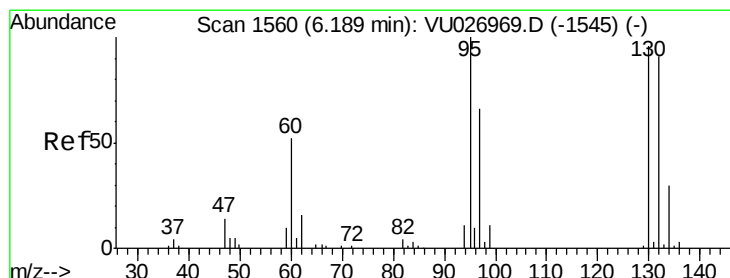
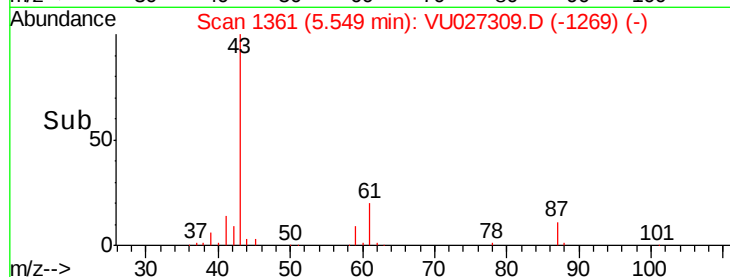
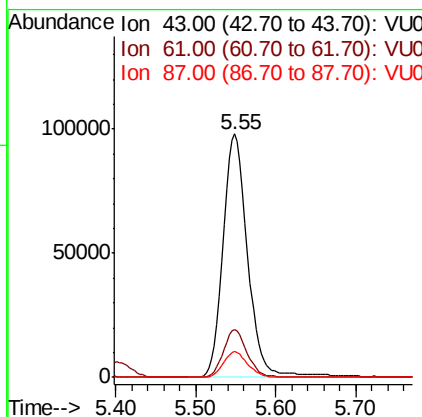
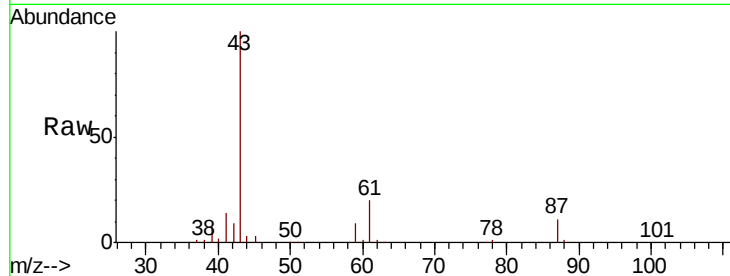
#43
Isopropyl Acetate
Concen: 53.574 ug/l
RT: 5.55 min Scan# 1361
Delta R.T. -0.00 min
Lab File: VU027309.D
Acq: 29 Sep 2018 06:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.7	23.5
87	10.4	9.0	13.4

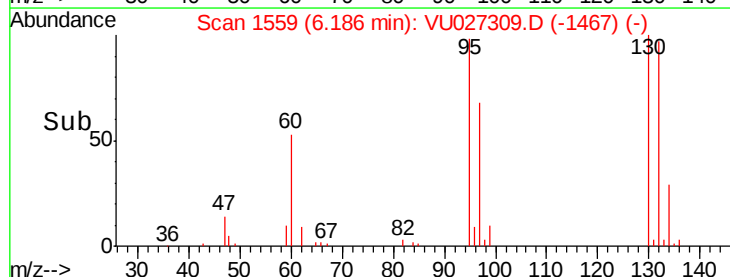
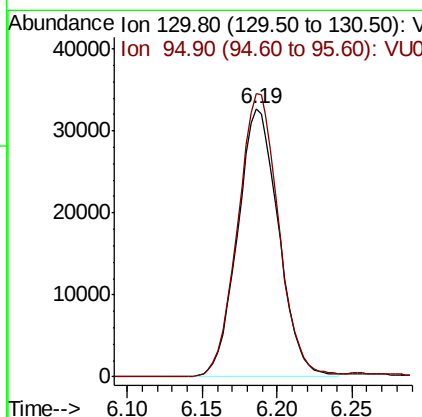
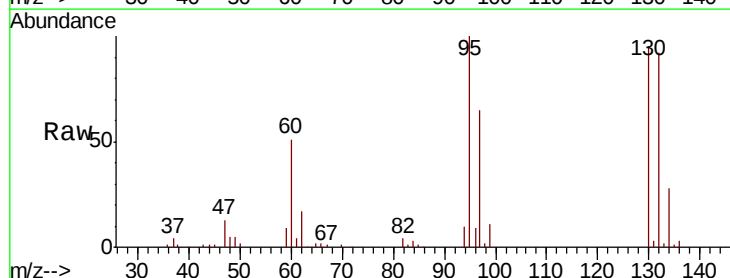
Manual Integrations
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#44
Trichloroethene
Concen: 49.384 ug/l
RT: 6.19 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VU027309.D
Acq: 29 Sep 2018 06:34

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.5	0.0	208.8





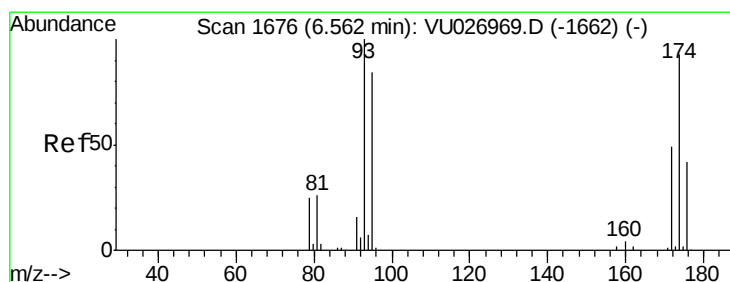
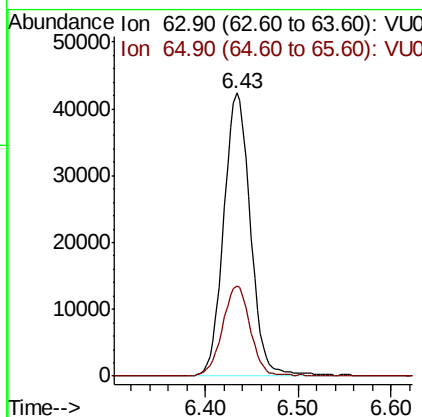
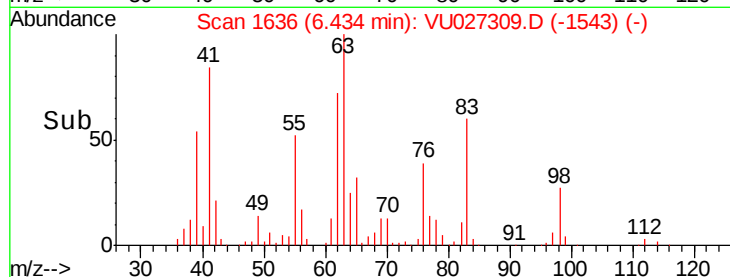
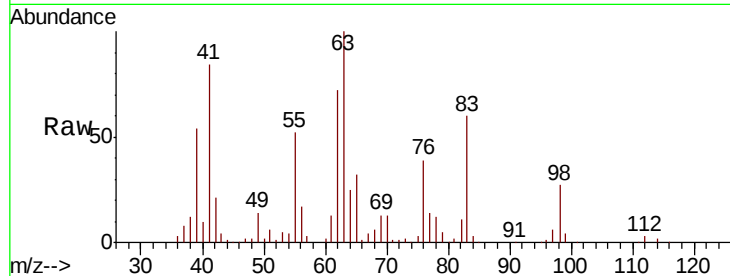
#45
 1,2-Dichloropropane
 Concen: 50.291 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU027309.D
 Acq: 29 Sep 2018 06:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 85010
 Ion Ratio Lower Upper
 63 100
 65 31.9 24.3 36.5

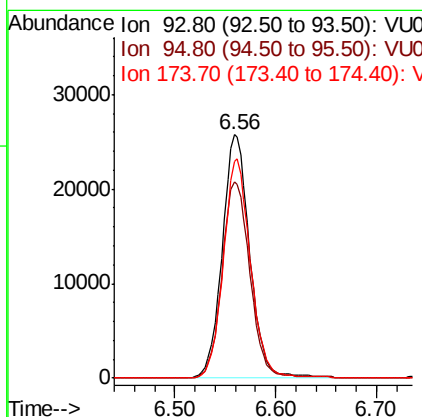
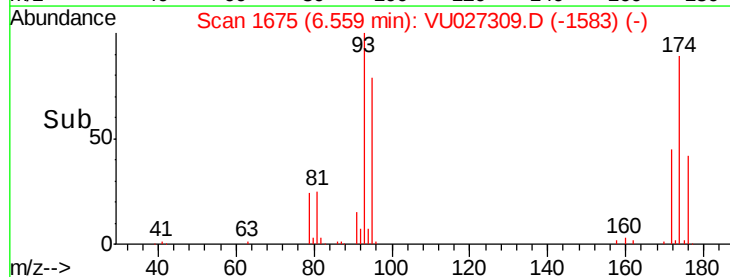
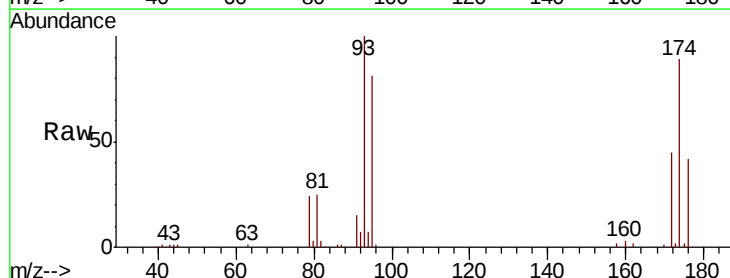
Manual Integrations
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#46
 Dibromomethane
 Concen: 48.020 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: VU027309.D
 Acq: 29 Sep 2018 06:34

Tgt Ion: 93 Resp: 49023
 Ion Ratio Lower Upper
 93 100
 95 81.8 66.2 99.4
 174 88.6 71.7 107.5





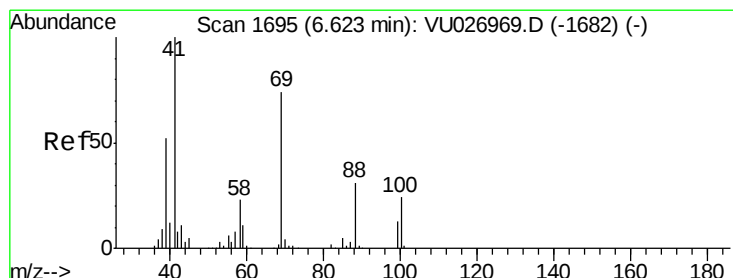
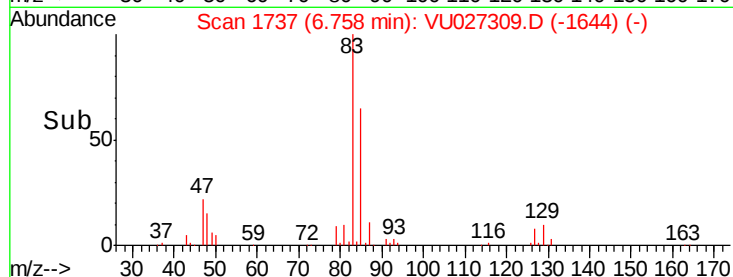
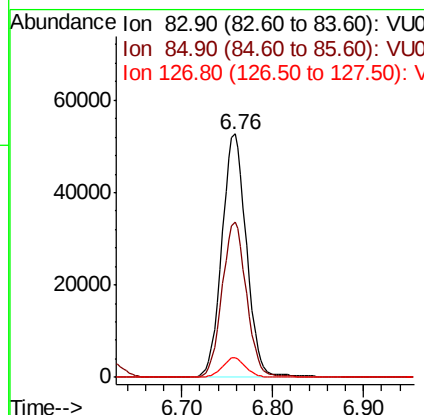
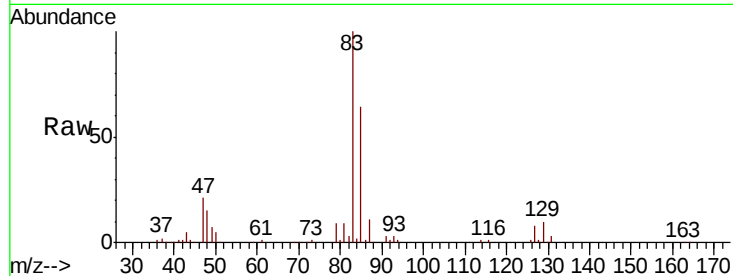
#47
Bromodichloromethane
Concen: 47.823 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VU027309.D
Acq: 29 Sep 2018 06:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	98720
Ion Ratio	100	Lower	Upper
83	100		
85	64.0	52.5	78.7
127	7.9	6.3	9.5

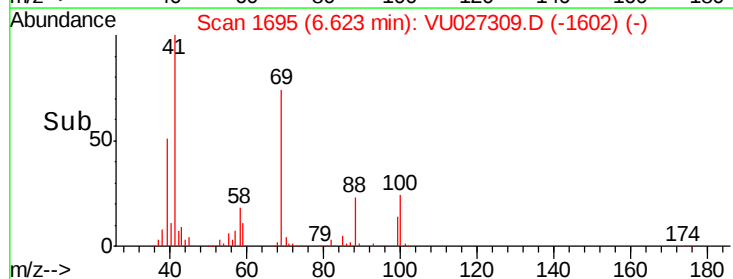
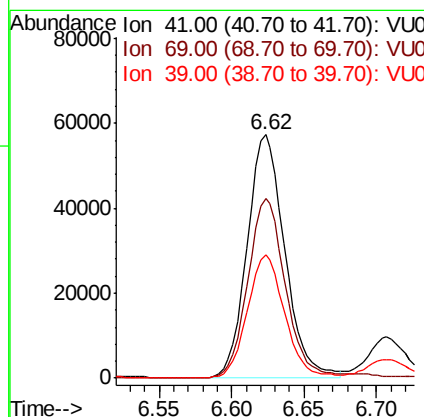
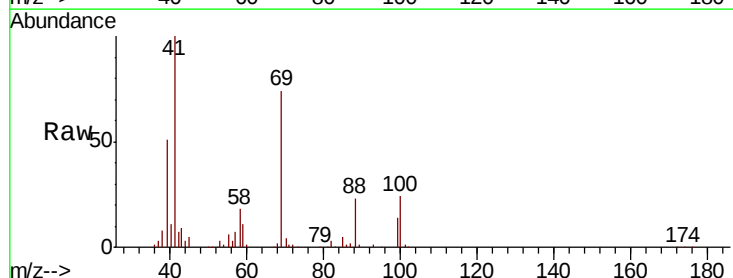
Manual Integrations
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#48
Methyl methacrylate
Concen: 49.585 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU027309.D
Acq: 29 Sep 2018 06:34

Tgt Ion	41	Resp	103958
Ion Ratio	100	Lower	Upper
41	100		
69	75.7	60.6	90.8
39	50.4	42.8	64.2





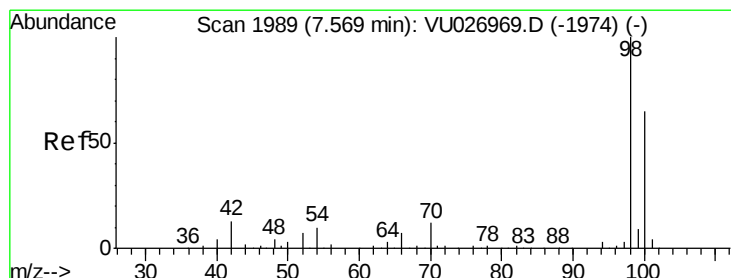
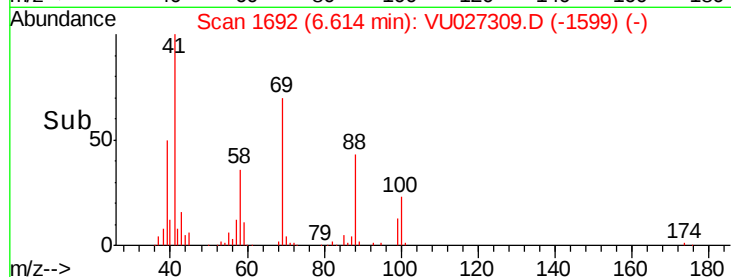
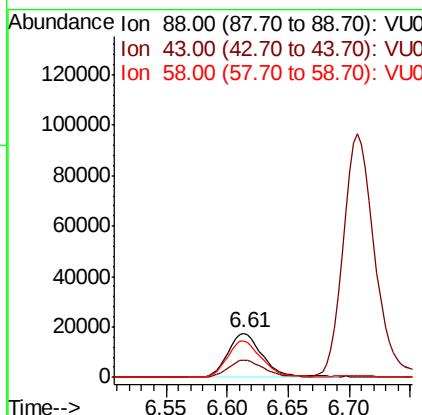
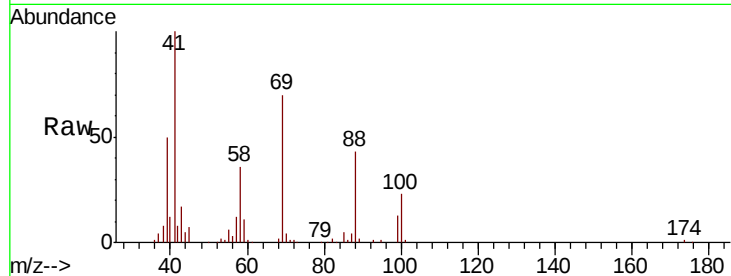
#49
1,4-Dioxane
Concen: 835.122 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VU027309.D
Acq: 29 Sep 2018 06:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.6	29.8	44.8
58	81.7	63.9	95.9

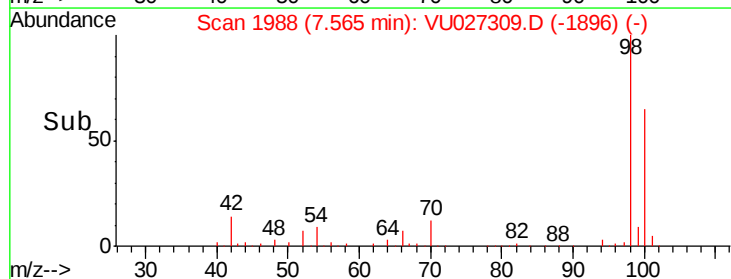
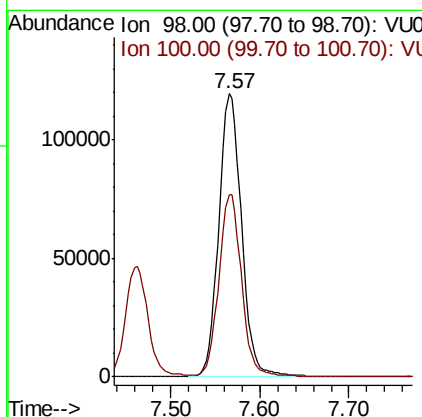
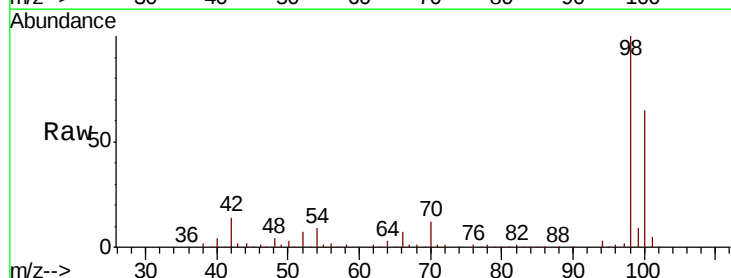
Manual Integrations
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#50
Toluene-d8
Concen: 43.864 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027309.D
Acq: 29 Sep 2018 06:34

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 260.713 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VU027309.D

Acq: 29 Sep 2018 06:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 675550

Ion Ratio Lower Upper

43 100

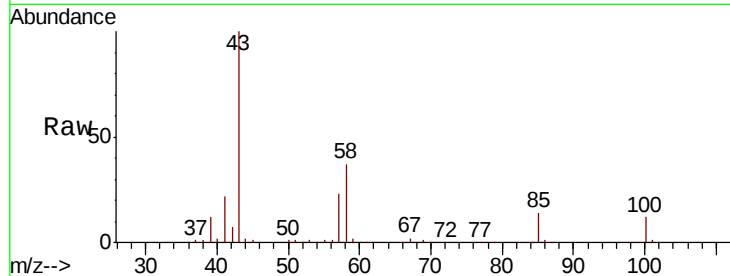
58 37.2 29.8 44.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-1939) (-)

Ion 58.00 (57.70 to 58.70): VU026969.D (-1939) (-)

7.46

400000

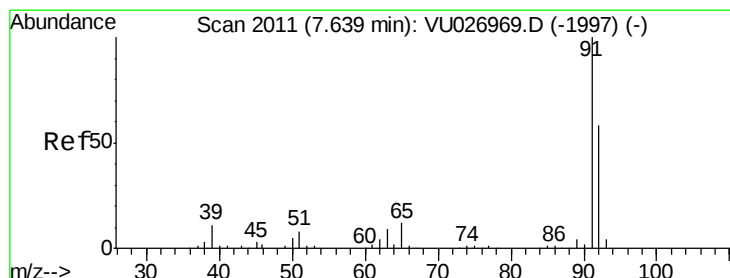
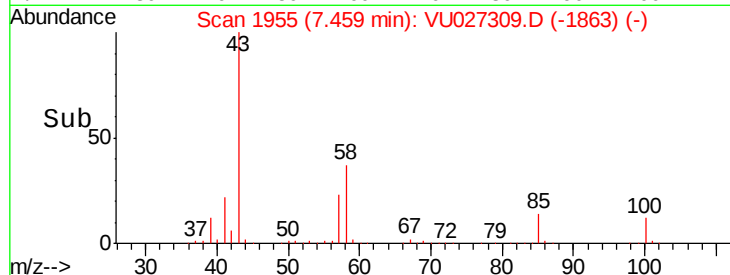
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 50.496 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027309.D

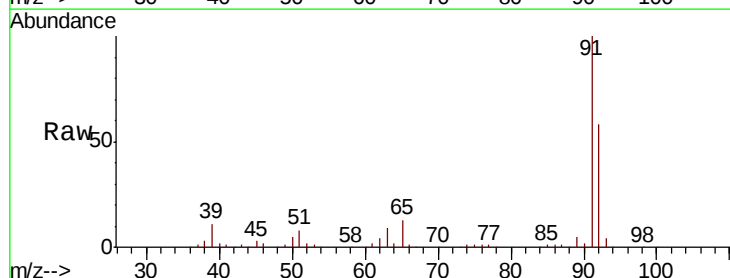
Acq: 29 Sep 2018 06:34

Tgt Ion: 92 Resp: 171710

Ion Ratio Lower Upper

92 100

91 171.9 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VU026969.D (-1997) (-)

Ion 91.00 (90.70 to 91.70): VU026969.D (-1997) (-)

7.64

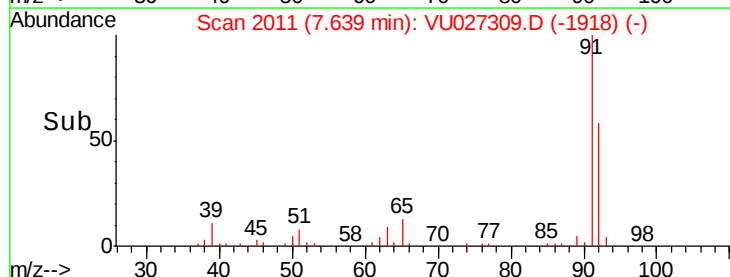
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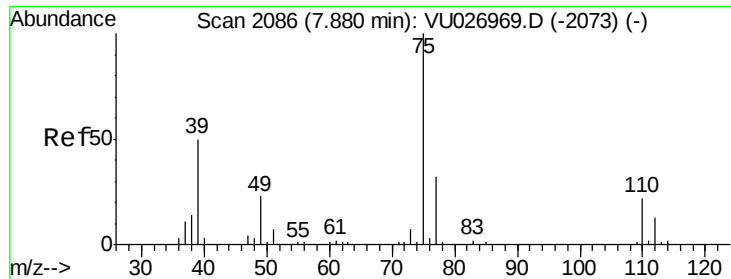
100000

50000

0

Time-->





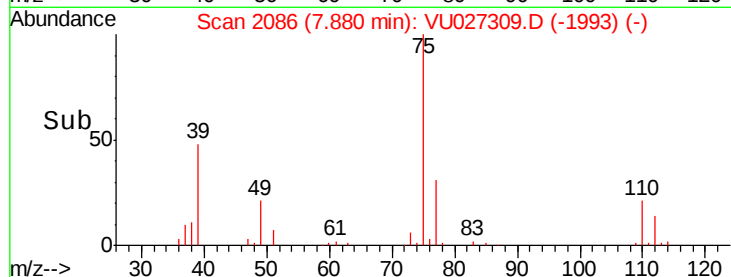
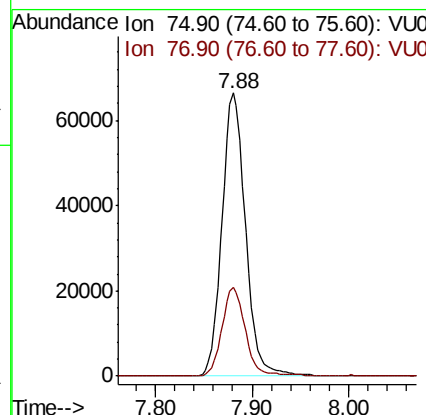
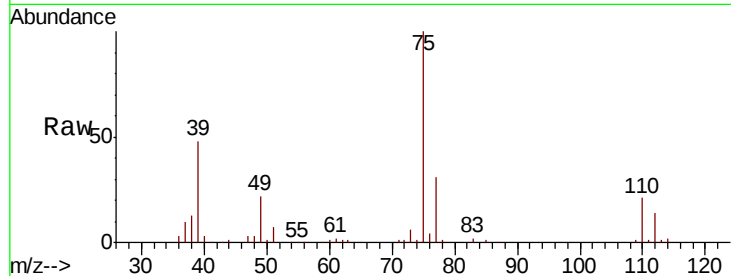
#53
t-1,3-Dichloropropene
Concen: 50.730 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU027309.D
Acq: 29 Sep 2018 06:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.3	37.9

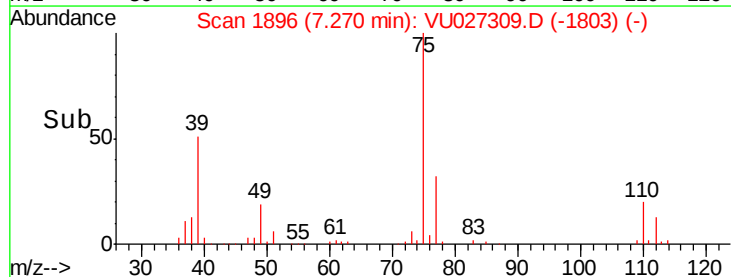
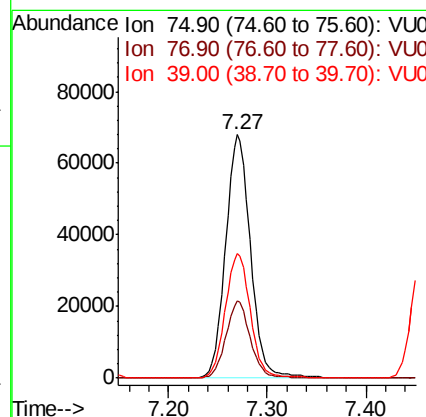
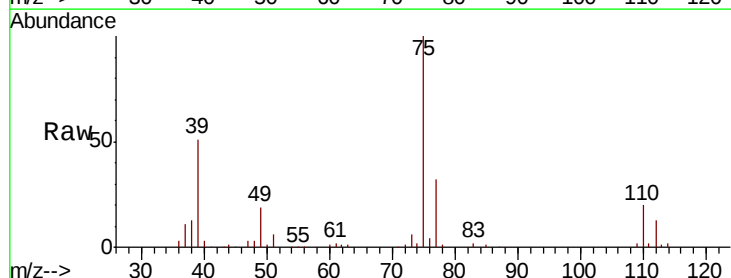
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#54
cis-1,3-Dichloropropene
Concen: 49.351 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU027309.D
Acq: 29 Sep 2018 06:34

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.4	38.0
39	51.0	41.6	62.4





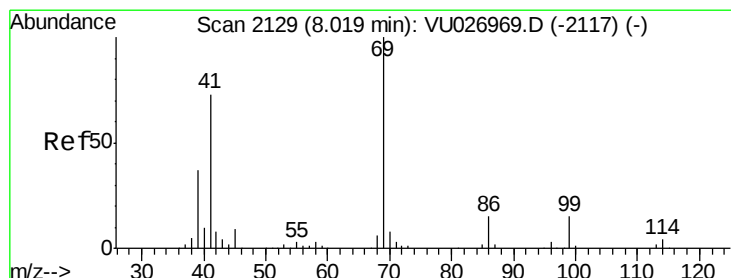
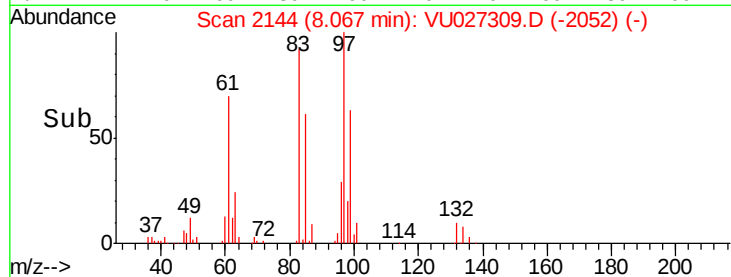
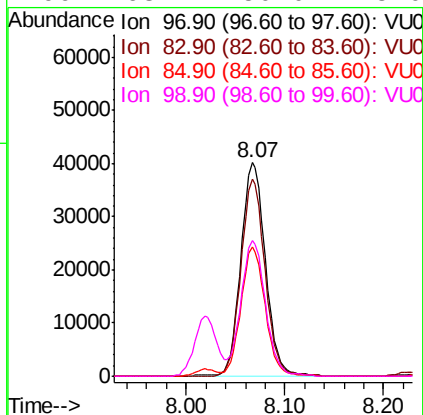
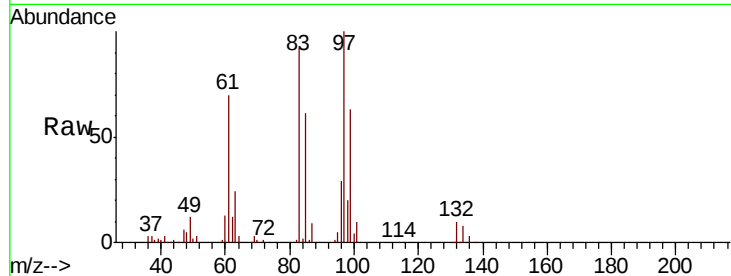
#55
 1,1,2-Trichloroethane
 Concen: 48.140 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027309.D
 Acq: 29 Sep 2018 06:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	69363
Ion	Ratio	Lower	Upper
97	100		
83	92.3	73.1	109.7
85	60.6	46.7	70.1
99	63.4	50.0	75.0

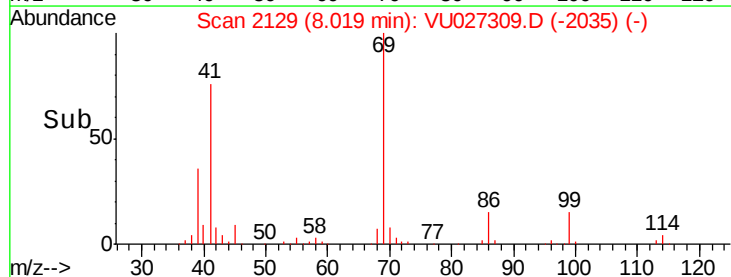
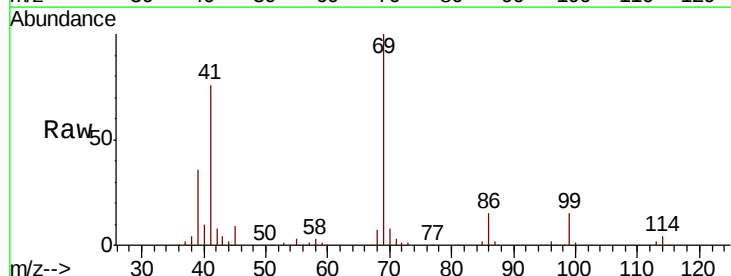
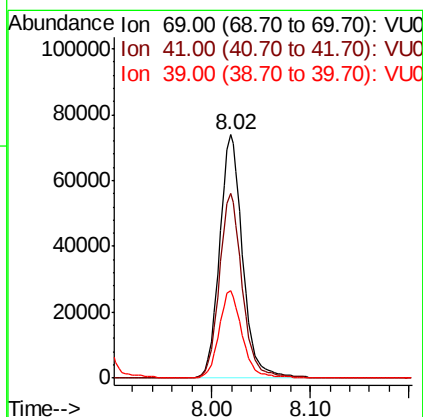
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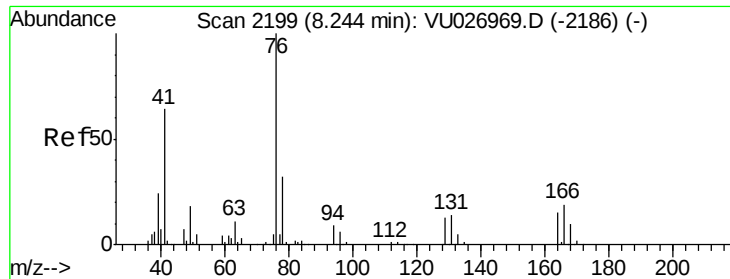
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#56
 Ethyl methacrylate
 Concen: 48.523 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027309.D
 Acq: 29 Sep 2018 06:34

Tgt Ion:	69	Resp:	121139
Ion	Ratio	Lower	Upper
69	100		
41	75.9	59.0	88.4
39	35.8	30.2	45.4





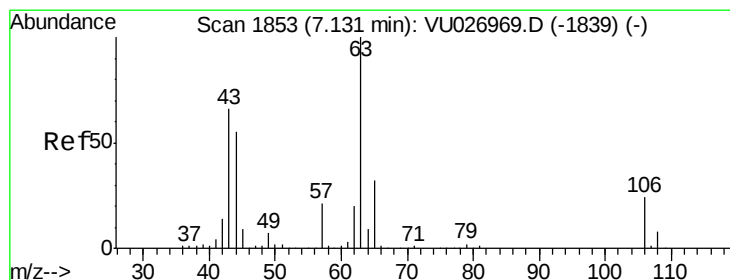
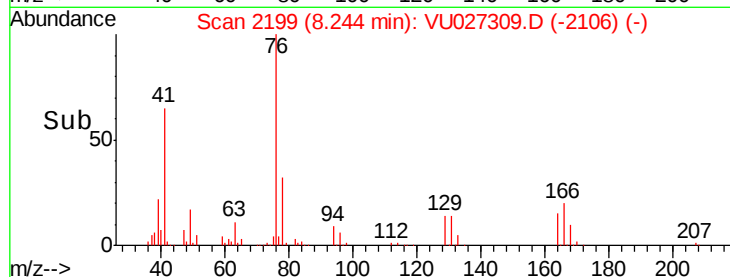
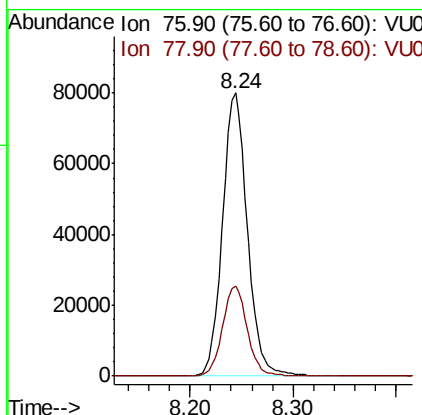
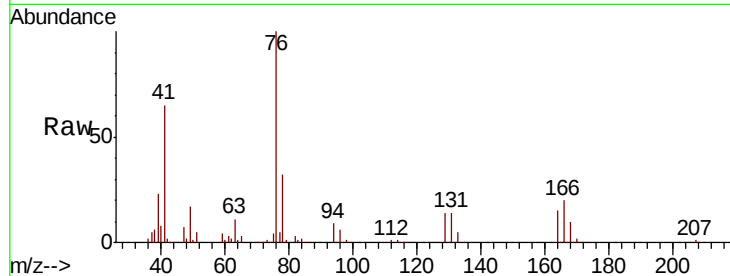
#57
 1,3-Dichloropropane
 Concen: 50.086 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU027309.D
 Acq: 29 Sep 2018 06:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 134224
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.5 38.3

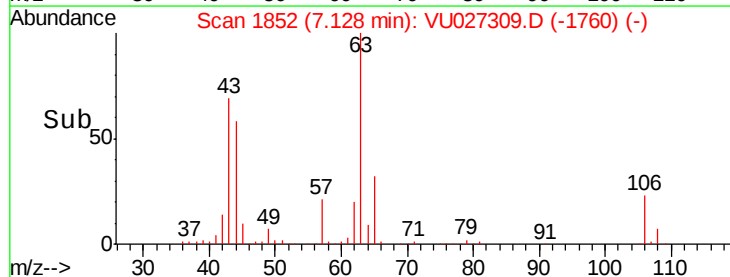
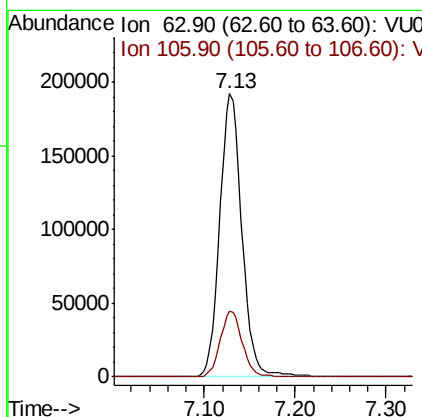
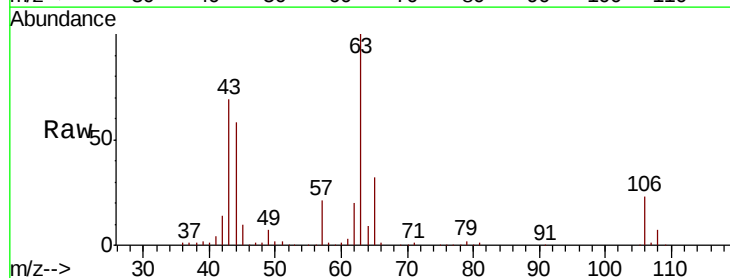
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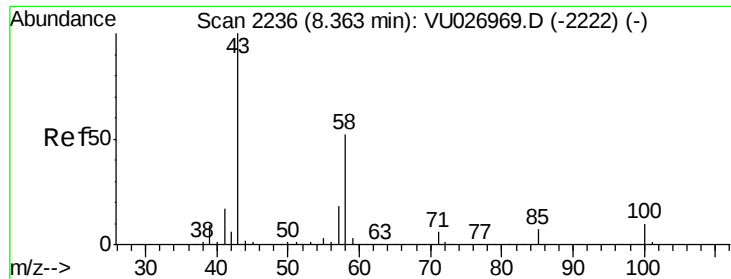
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#58
 2-Chloroethyl Vinyl ether
 Concen: 229.804 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VU027309.D
 Acq: 29 Sep 2018 06:34

Tgt Ion: 63 Resp: 325482
 Ion Ratio Lower Upper
 63 100
 106 23.2 18.7 28.1





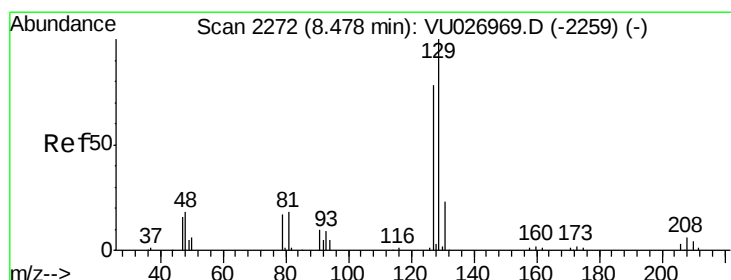
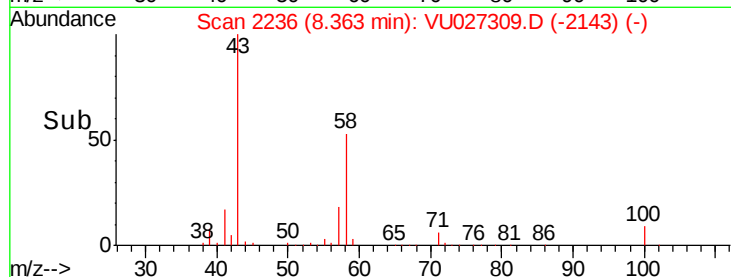
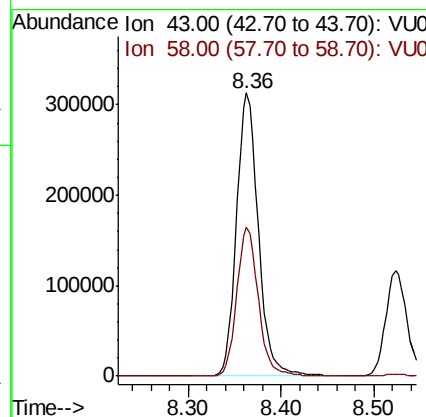
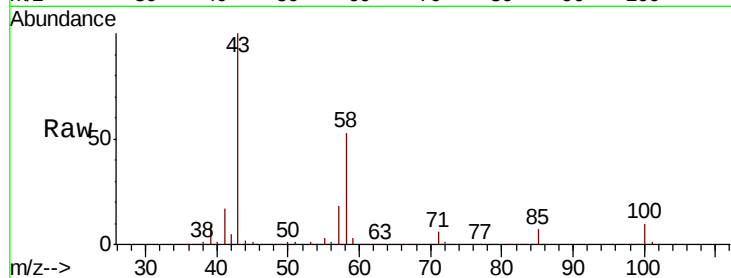
#59
2-Hexanone
Concen: 252.991 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU027309.D
Acq: 29 Sep 2018 06:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 513143
Ion Ratio Lower Upper
43 100
58 52.0 26.1 78.2

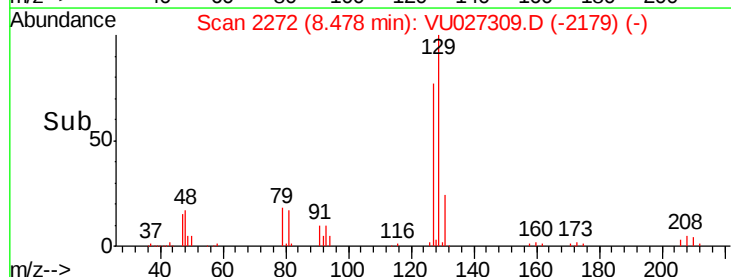
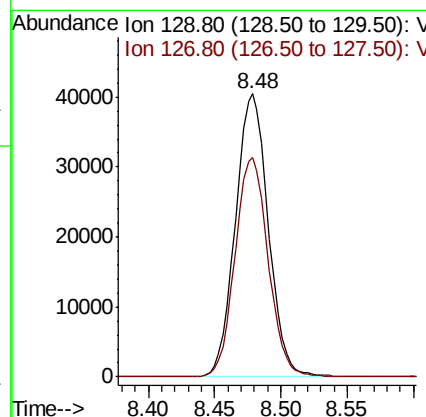
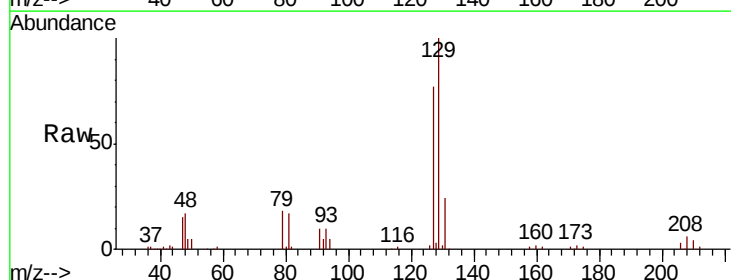
Manual Integrations
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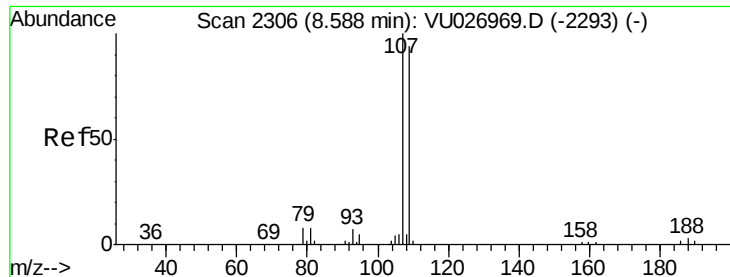
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#60
Dibromochloromethane
Concen: 49.401 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027309.D
Acq: 29 Sep 2018 06:34

Tgt Ion: 129 Resp: 69820
Ion Ratio Lower Upper
129 100
127 77.9 38.1 114.5





#61

1,2-Dibromoethane

Concen: 48.030 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VU027309.D

Acq: 29 Sep 2018 06:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 72005

Ion Ratio Lower Upper

107 100

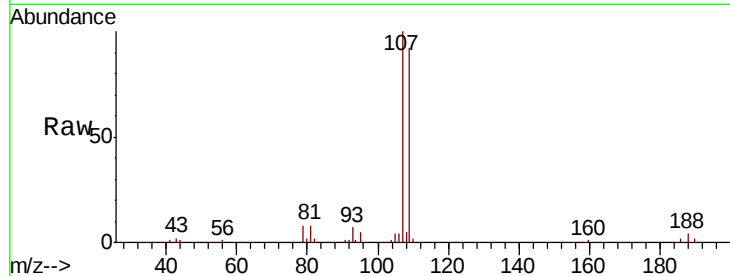
109 94.0 75.0 112.6

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.59

50000

40000

30000

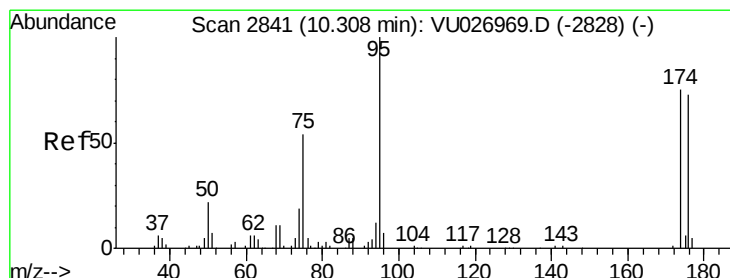
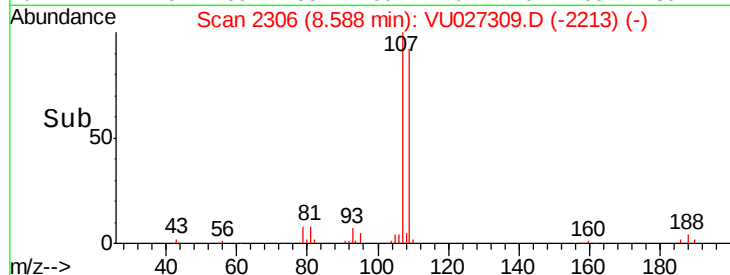
20000

10000

0

Time-->

8.50 8.55 8.60 8.65 8.70



#62

4-Bromofluorobenzene

Concen: 48.204 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027309.D

Acq: 29 Sep 2018 06:34

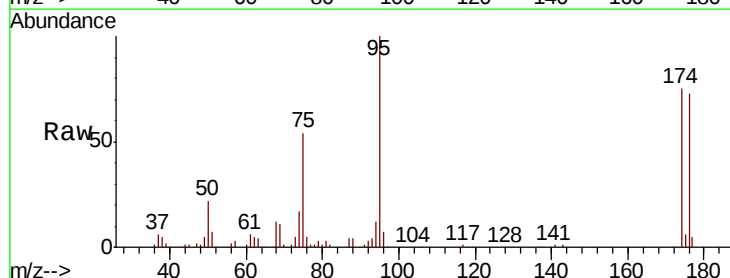
Tgt Ion: 95 Resp: 79893

Ion Ratio Lower Upper

95 100

174 74.2 0.0 150.2

176 71.8 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

10.31

60000

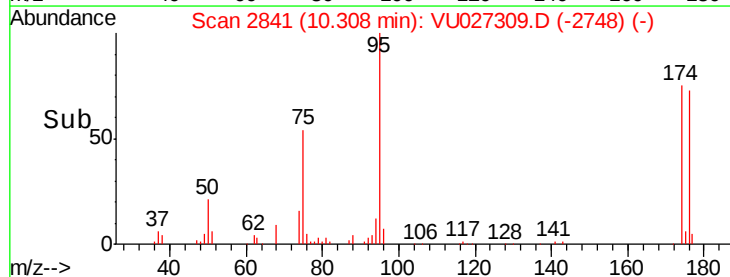
40000

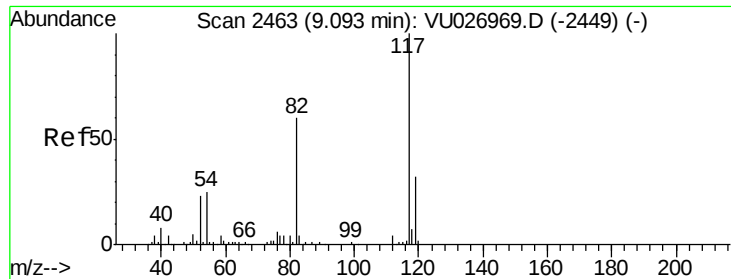
20000

0

Time-->

10.25 10.30 10.35 10.40





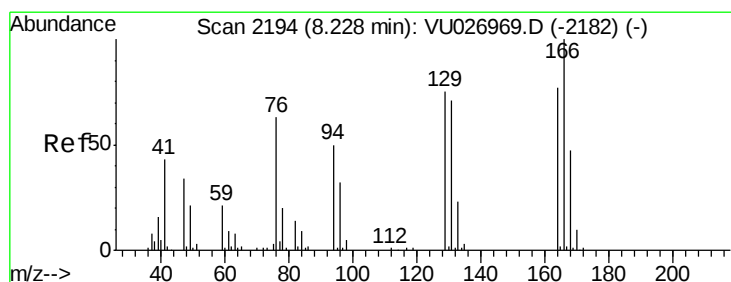
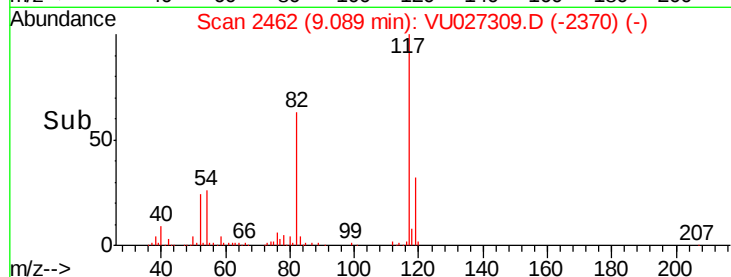
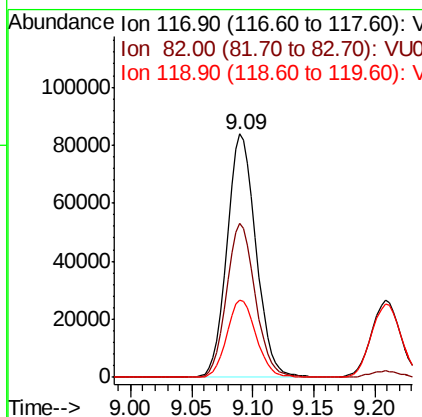
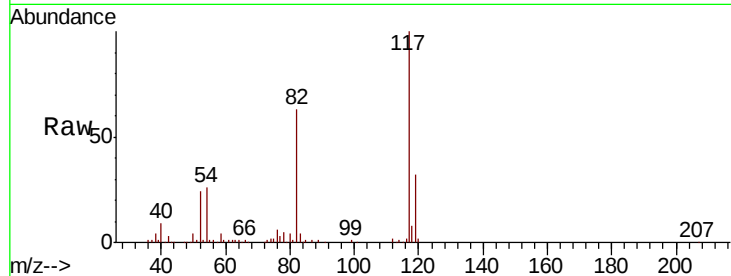
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027309.D
Acq: 29 Sep 2018 06:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	139459		
82	63.2	48.0	72.0	
119	31.8	25.8	38.8	

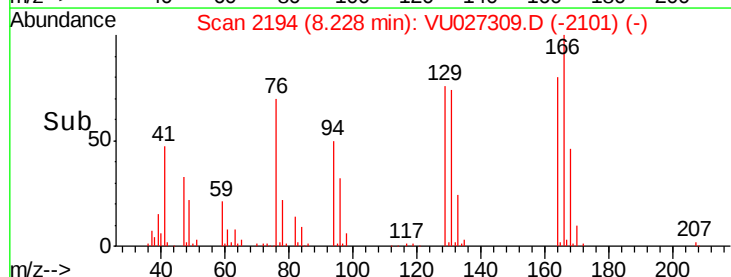
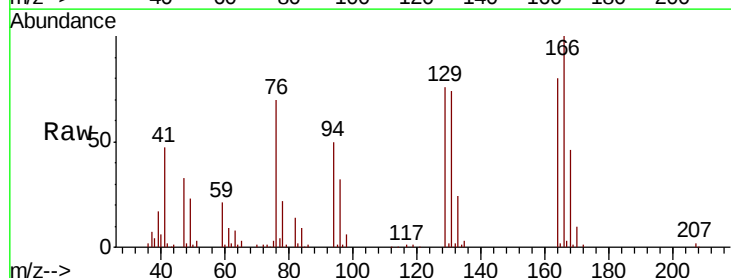
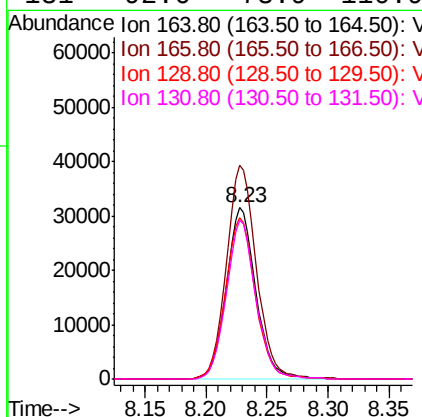
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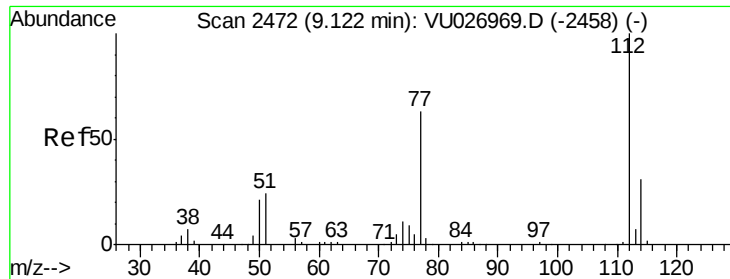
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#64
Tetrachloroethene
Concen: 49.773 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027309.D
Acq: 29 Sep 2018 06:34

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	53487		
166	124.8	104.4	156.6	
129	94.3	78.7	118.1	
131	92.6	73.9	110.9	





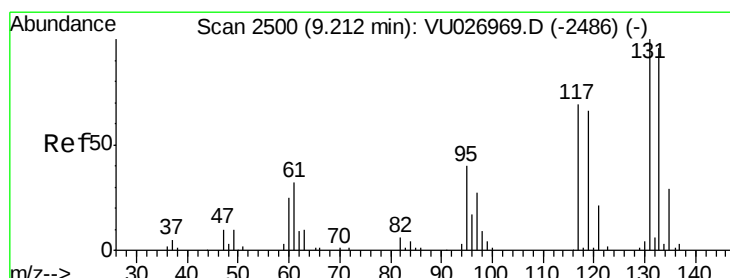
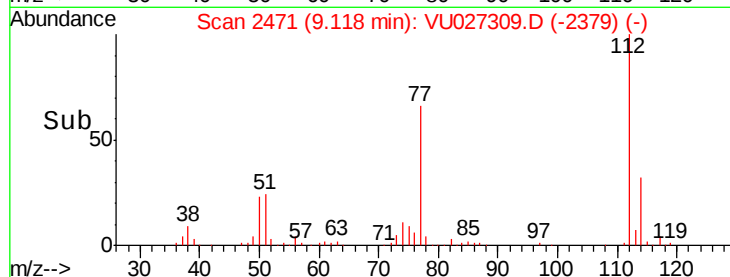
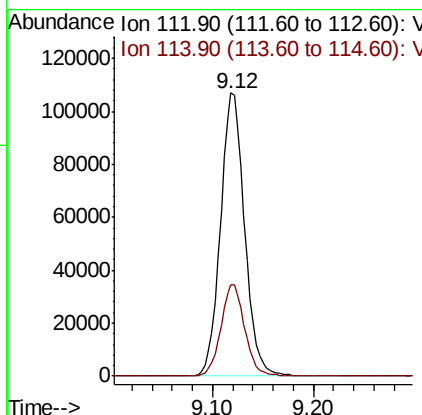
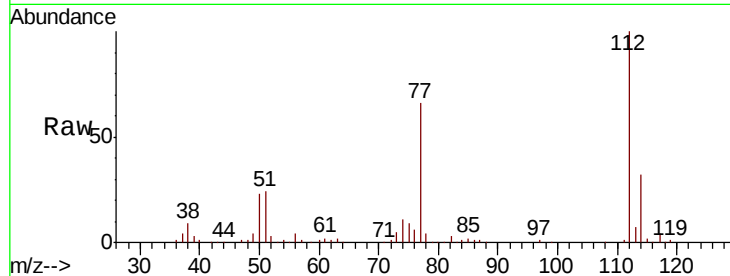
#65
Chlorobenzene
Concen: 48.279 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU027309.D
Acq: 29 Sep 2018 06:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 178524
Ion Ratio Lower Upper
112 100
114 32.4 25.0 37.6

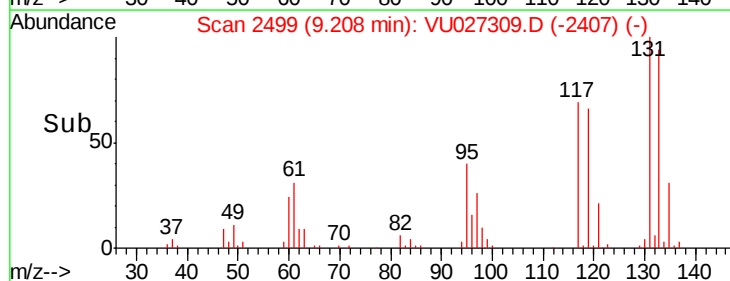
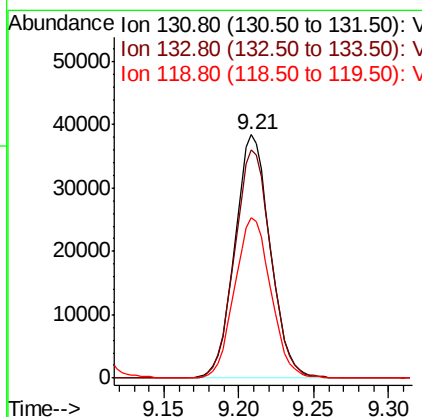
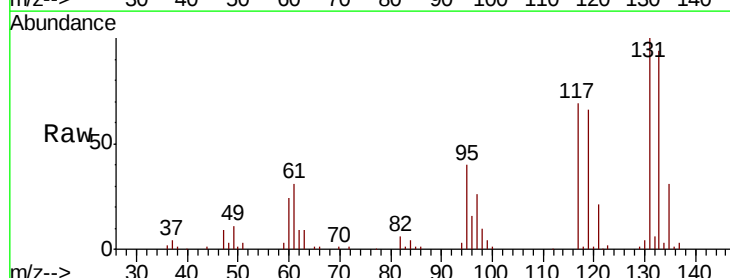
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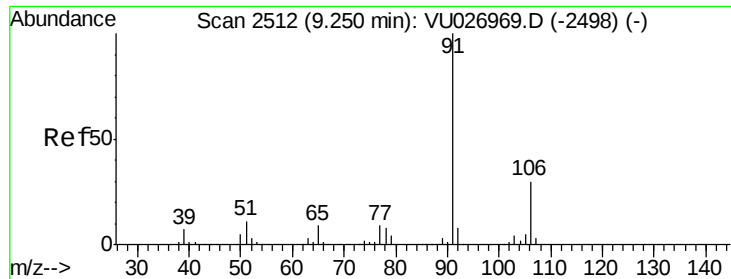
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.765 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU027309.D
Acq: 29 Sep 2018 06:34

Tgt Ion:131 Resp: 63383
Ion Ratio Lower Upper
131 100
133 96.3 48.0 144.2
119 67.3 33.4 100.1





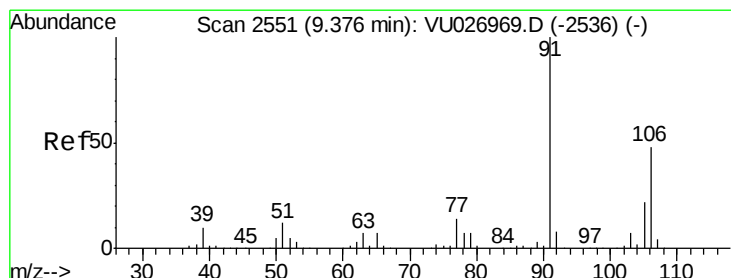
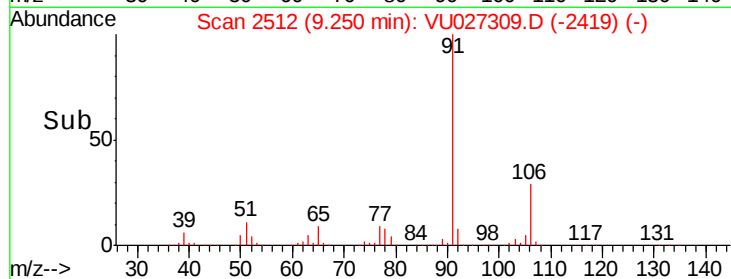
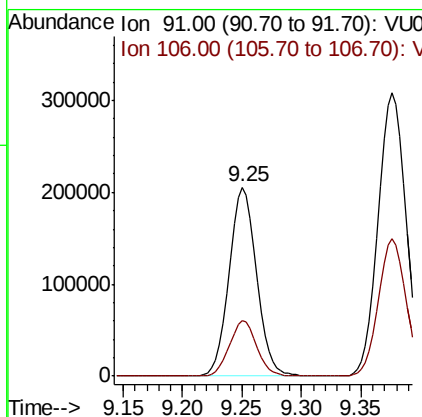
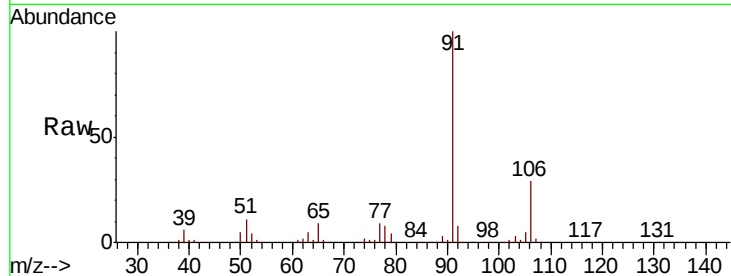
#67
Ethyl Benzene
Concen: 54.077 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU027309.D
Acq: 29 Sep 2018 06:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 328821
Ion Ratio Lower Upper
91 100
106 29.2 23.8 35.8

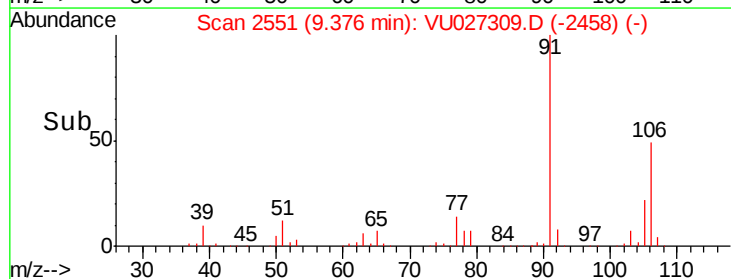
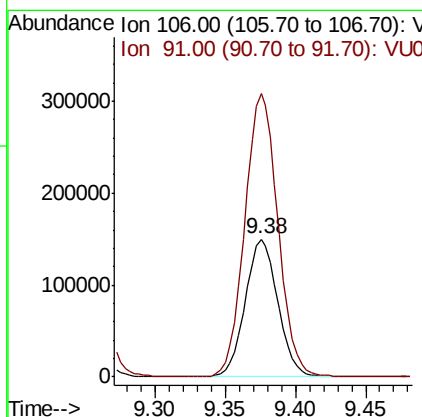
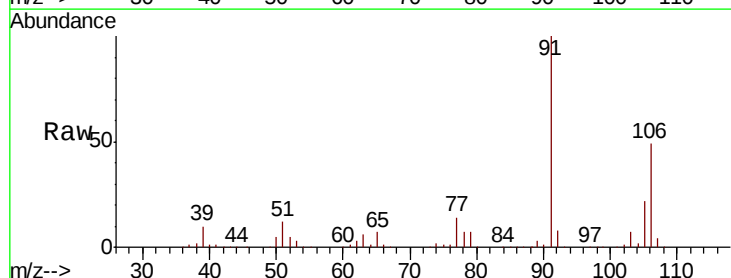
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#68
m/p-Xylenes
Concen: 98.818 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027309.D
Acq: 29 Sep 2018 06:34

Tgt Ion: 106 Resp: 243300
Ion Ratio Lower Upper
106 100
91 209.0 166.5 249.7





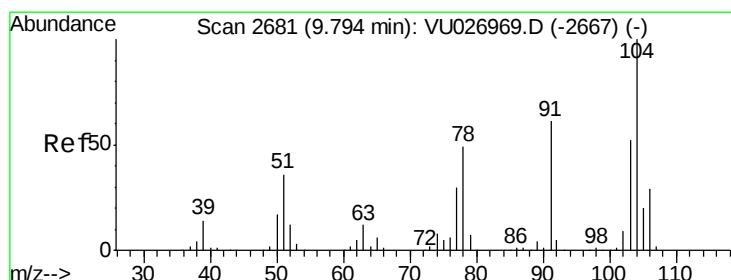
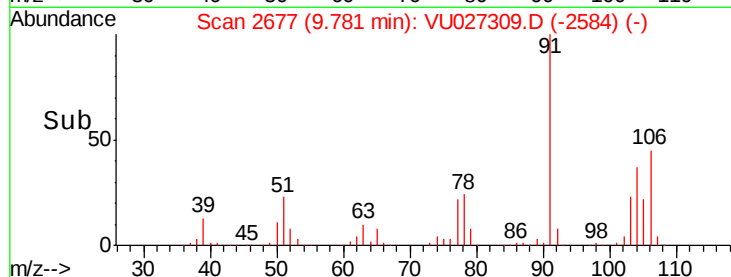
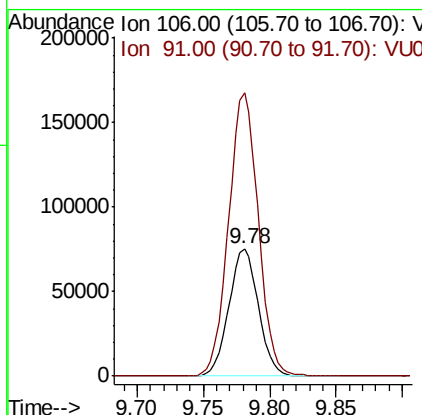
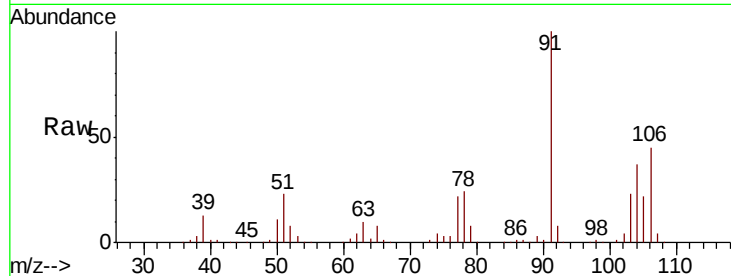
#69
o-Xylene
Concen: 54.107 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027309.D
Acq: 29 Sep 2018 06:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 116569
Ion Ratio Lower Upper
106 100
91 224.1 110.2 330.6

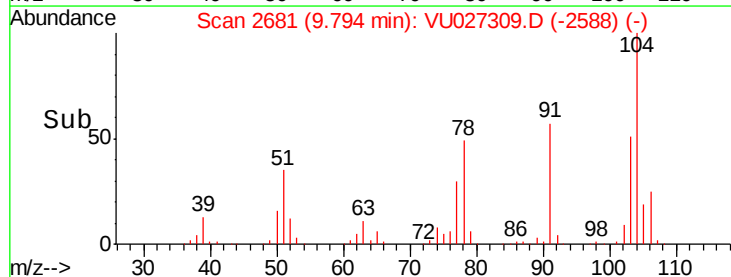
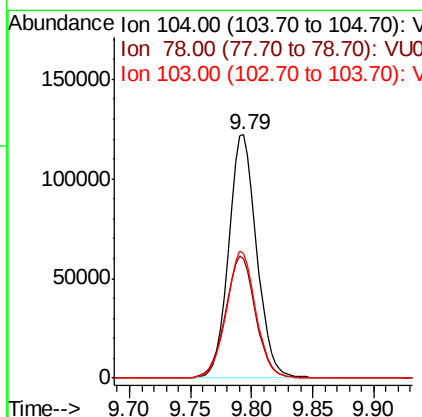
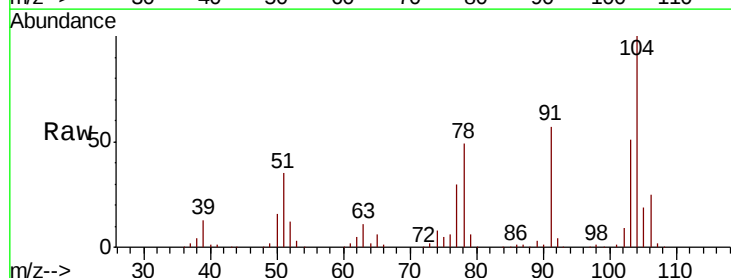
Manual Integrations
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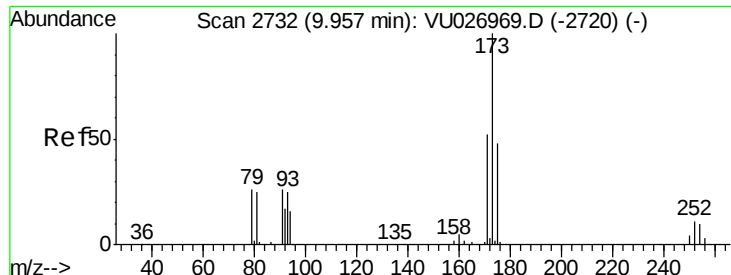
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#70
Styrene
Concen: 48.811 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027309.D
Acq: 29 Sep 2018 06:34

Tgt Ion:104 Resp: 196172
Ion Ratio Lower Upper
104 100
78 53.8 43.0 64.4
103 54.6 44.1 66.1





#71

Bromoform

Concen: 51.820 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU027309.D

Acq: 29 Sep 2018 06:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 51038

Ion Ratio Lower Upper

173 100

175 48.2 23.9 71.8

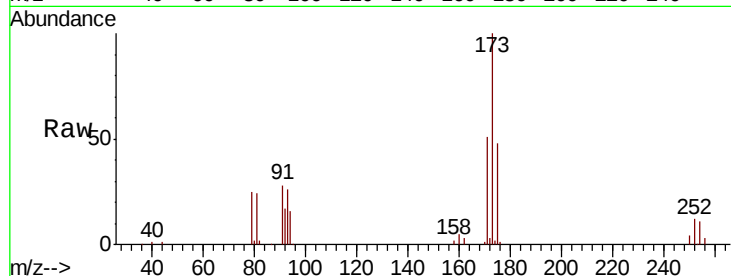
254 0.0 0.0 0.0

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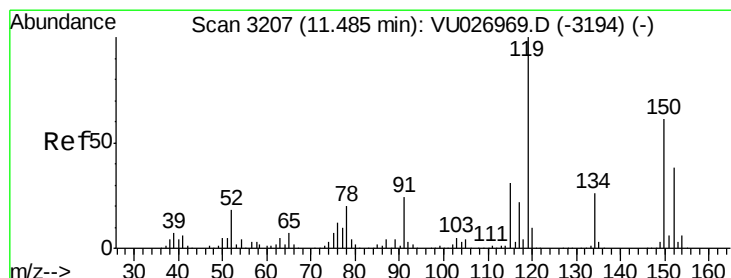
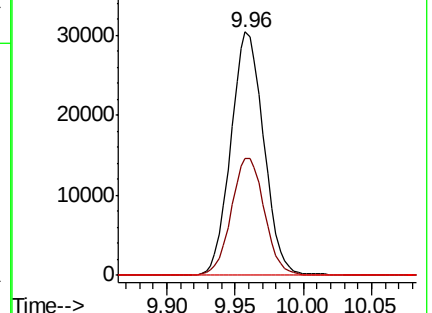
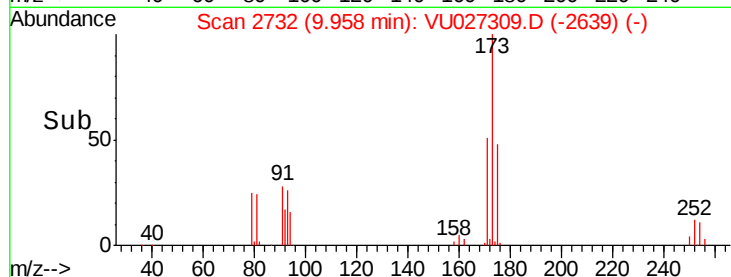
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU027309.D

Acq: 29 Sep 2018 06:34

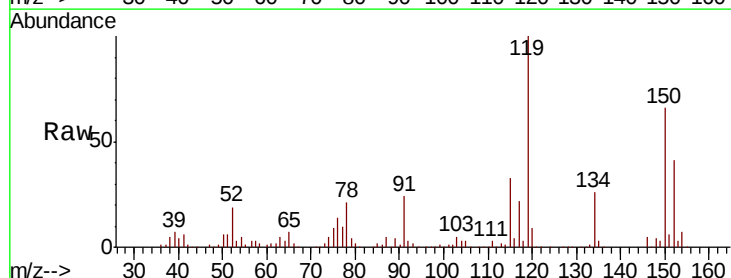
Tgt Ion:152 Resp: 76666

Ion Ratio Lower Upper

152 100

115 89.0 44.9 134.5

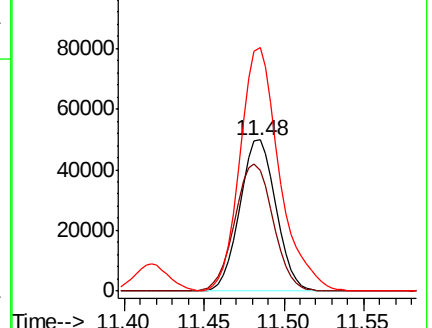
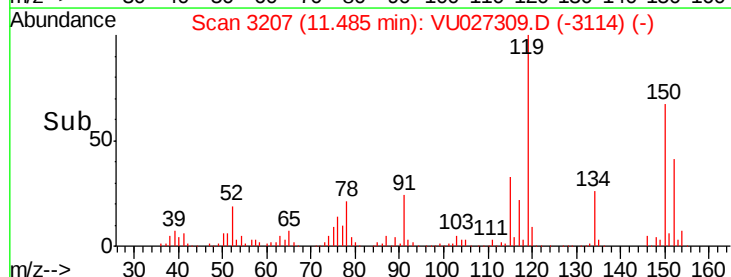
150 176.0 0.0 355.8

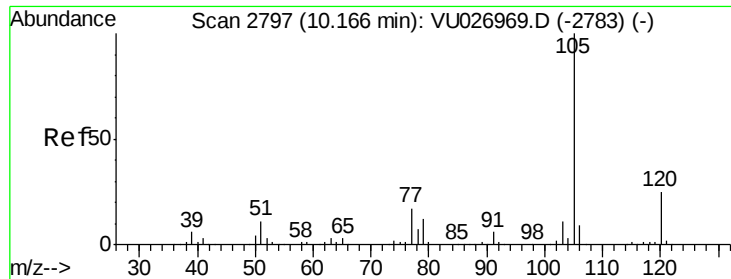


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.281 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027309.D

Acq: 29 Sep 2018 06:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 316559

Ion Ratio Lower Upper

105 100

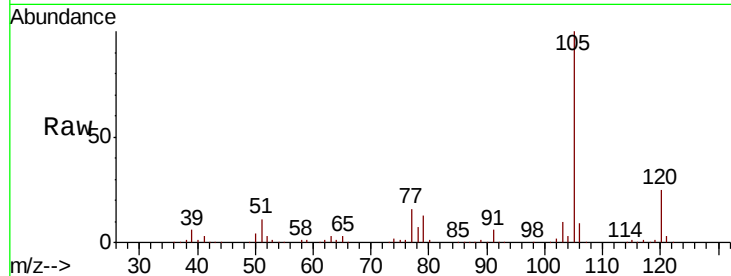
120 25.6 12.8 38.4

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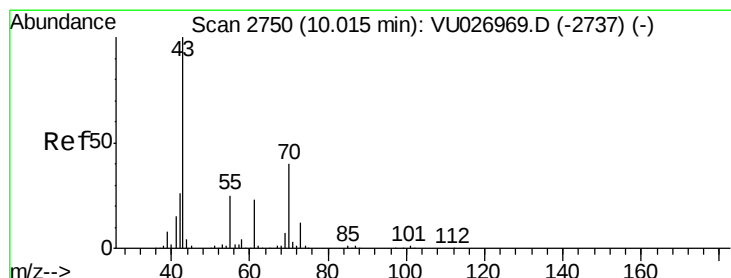
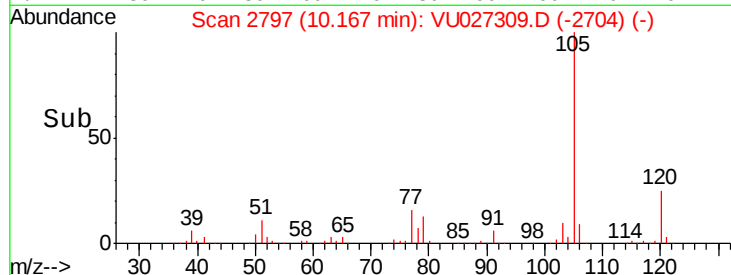
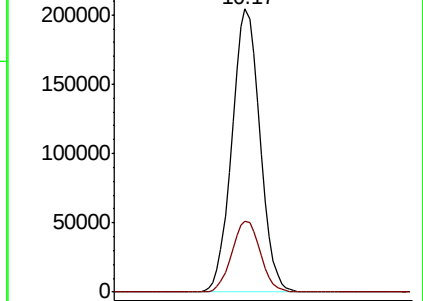
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 54.537 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU027309.D

Acq: 29 Sep 2018 06:34

Tgt Ion: 43 Resp: 184102

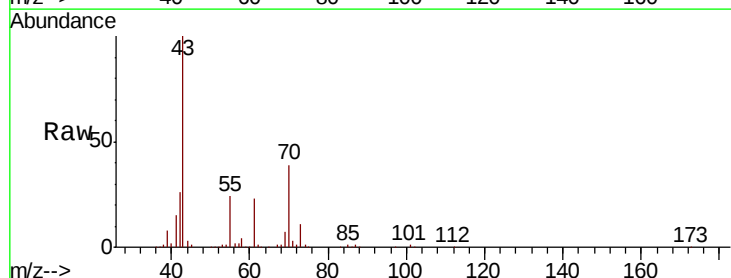
Ion Ratio Lower Upper

43 100

70 39.2 31.8 47.8

55 24.2 19.9 29.9

61 23.2 18.4 27.6

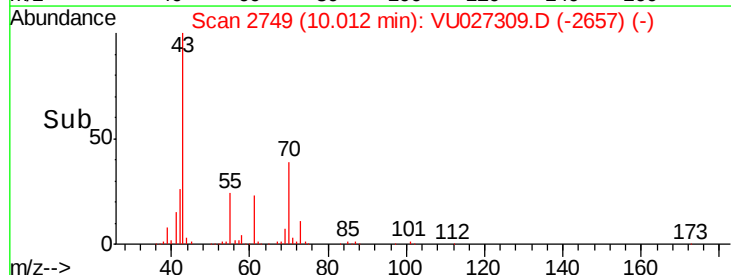
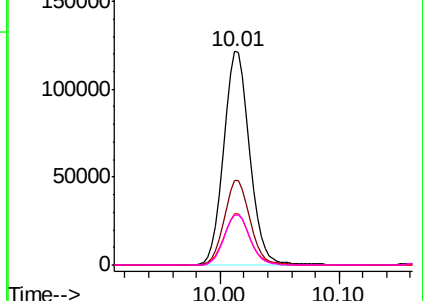


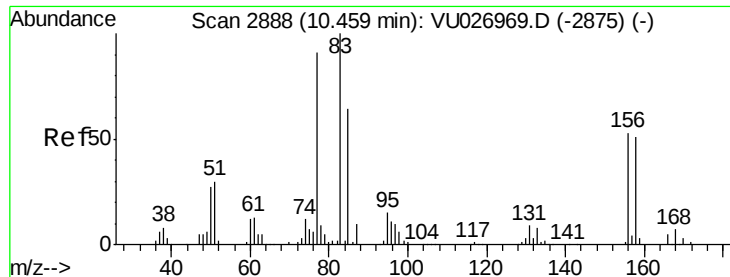
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 45.310 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027309.D

Acq: 29 Sep 2018 06:34

Instrument :

MSVOA_U

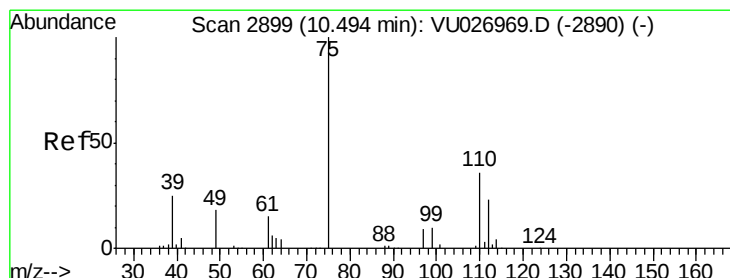
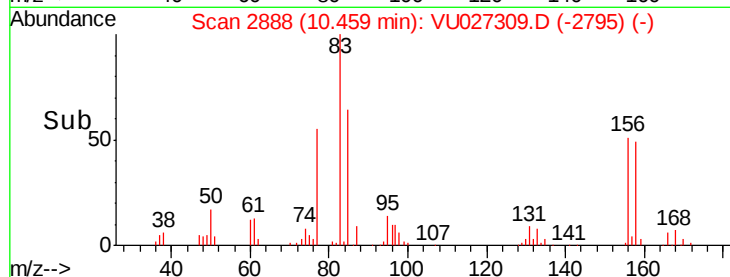
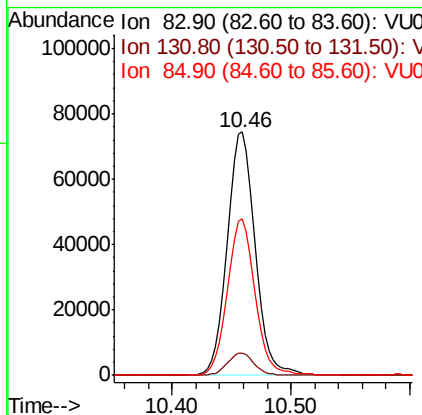
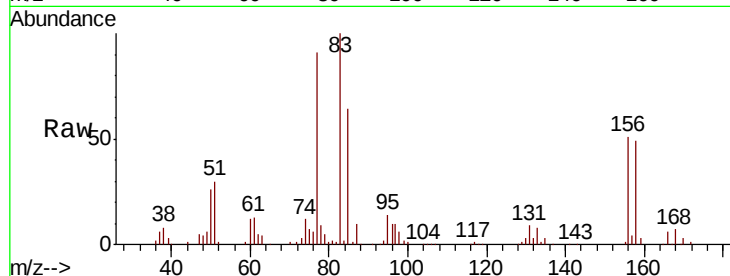
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	121493
Ion Ratio	Lower	Upper	
83	100		
131	8.7	4.3	12.8
85	63.7	31.9	95.7

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#76

1,2,3-Trichloropropane

Concen: 44.469 ug/l m

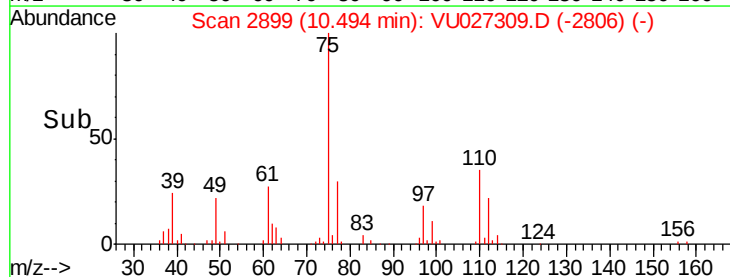
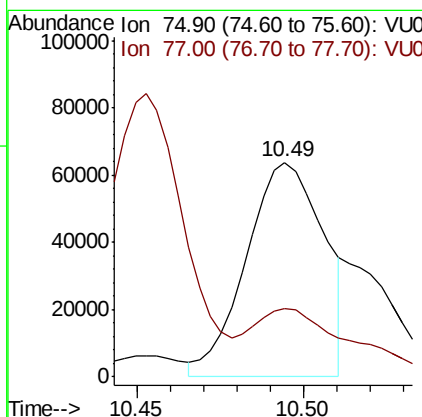
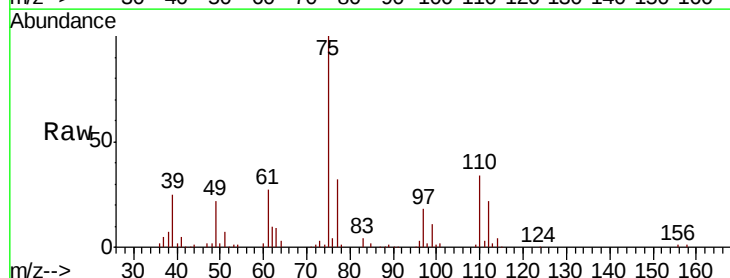
RT: 10.49 min Scan# 2899

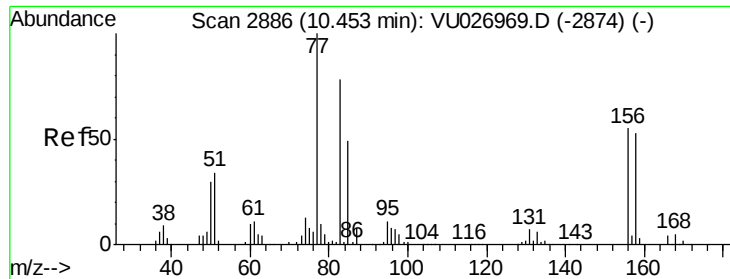
Delta R.T. 0.00 min

Lab File: VU027309.D

Acq: 29 Sep 2018 06:34

Tgt Ion:	75	Resp:	103573
Ion Ratio	Lower	Upper	
75	100		
77	41.9	20.9	62.8





#77

Bromobenzene

Concen: 50.313 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU027309.D

Acq: 29 Sep 2018 06:34

Instrument :

MSVOA_U

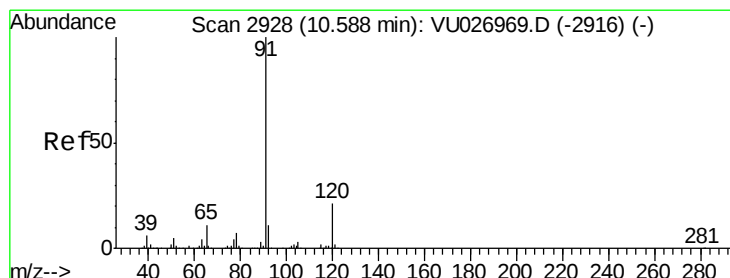
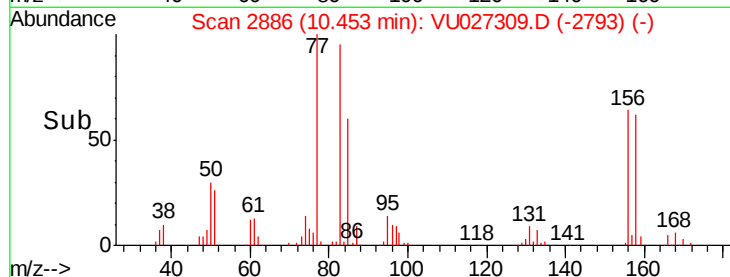
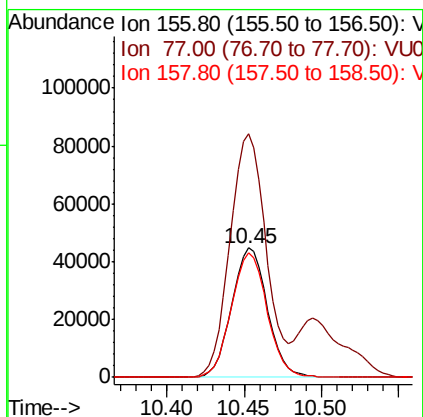
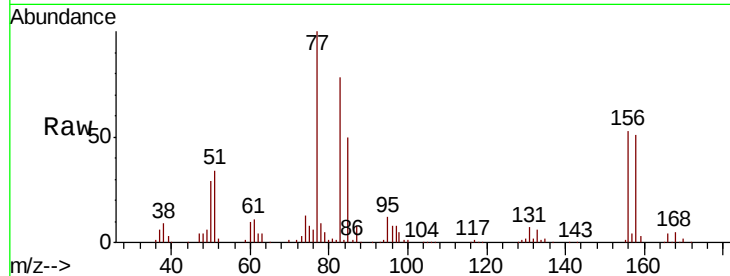
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	71703
Ion	Ratio	Lower	Upper
156	100		
77	189.9	92.3	276.9
158	96.3	48.1	144.3

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#78

n-propylbenzene

Concen: 55.534 ug/l

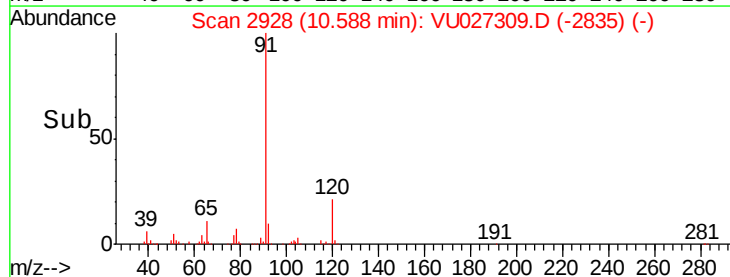
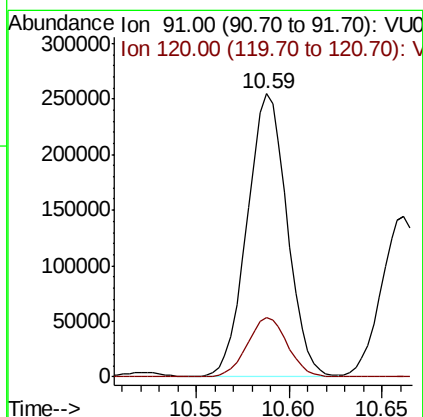
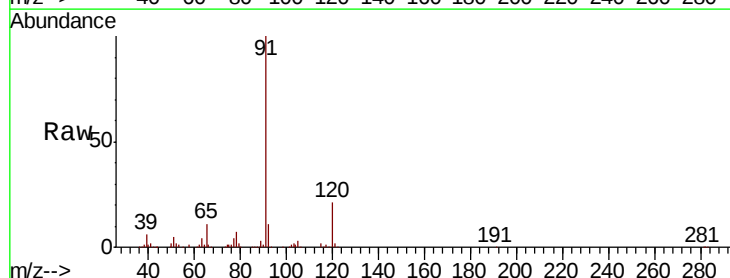
RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU027309.D

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Tgt Ion:	91	Resp:	383212
Ion	Ratio	Lower	Upper
91	100		
120	21.0	10.6	31.8





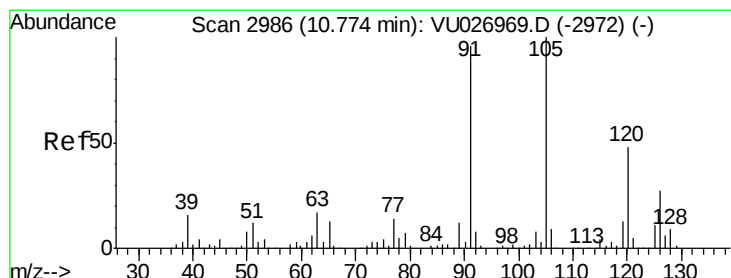
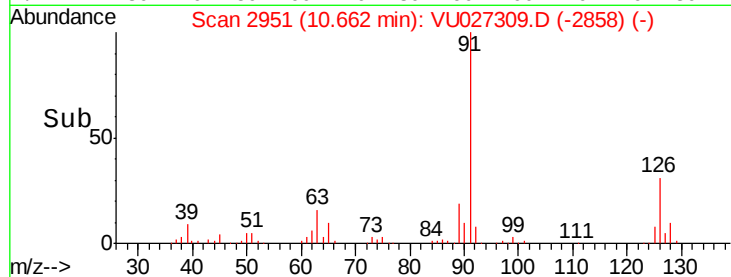
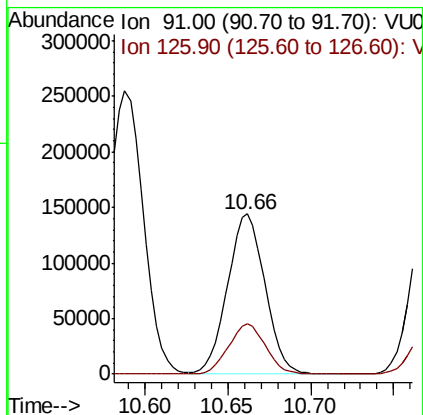
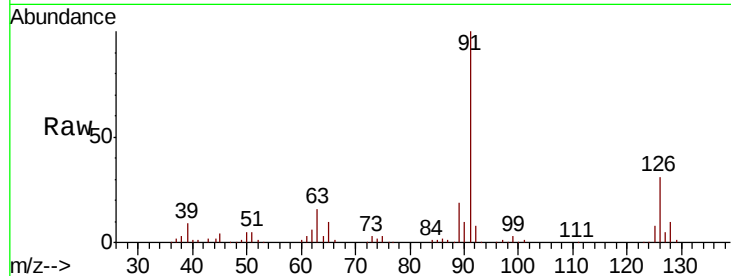
#79
2-Chlorotoluene
Concen: 51.903 ug/l
RT: 10.66 min Scan# 2951
Delta R.T. 0.00 min
Lab File: VU027309.D
Acq: 29 Sep 2018 06:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 224966
Ion Ratio Lower Upper
91 100
126 31.1 15.8 47.3

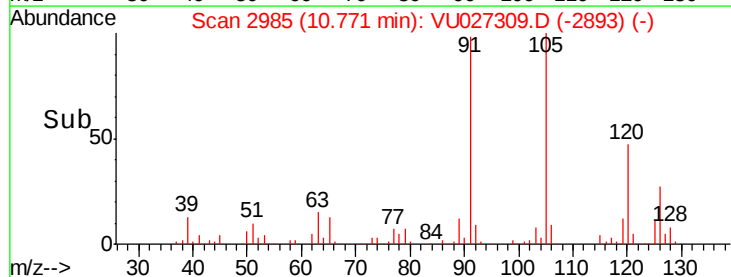
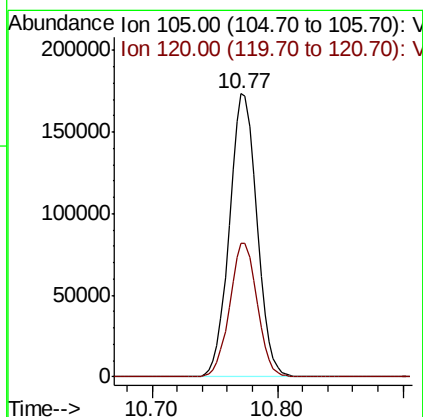
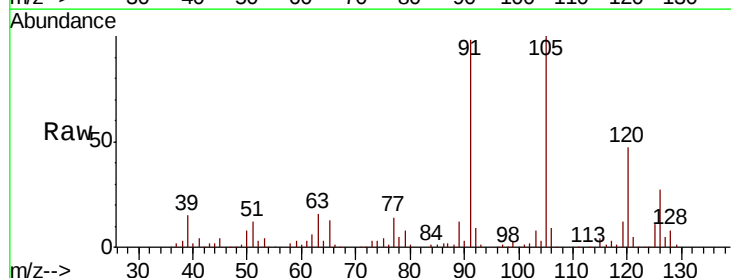
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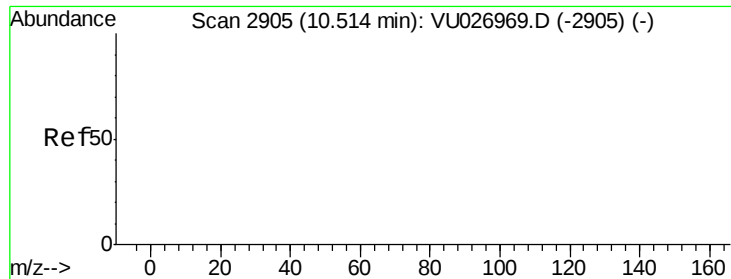
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 54.894 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU027309.D
Acq: 29 Sep 2018 06:34

Tgt Ion: 105 Resp: 264264
Ion Ratio Lower Upper
105 100
120 47.2 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 41.272 ug/l m

RT: 10.51 min Scan# 2905

Delta R.T. 0.00 min

Lab File: VU027309.D

Acq: 29 Sep 2018 06:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 30038

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

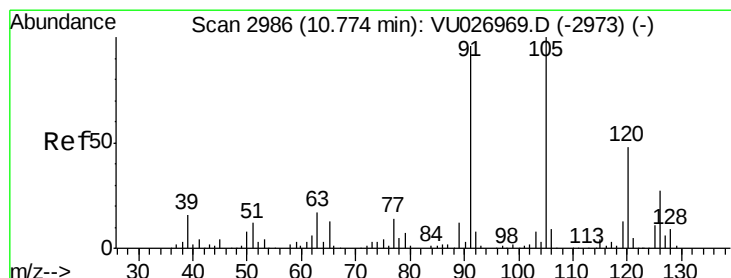
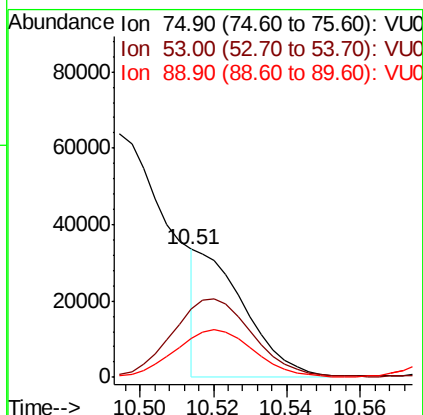
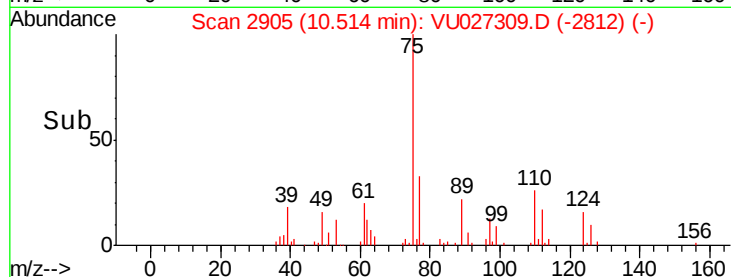
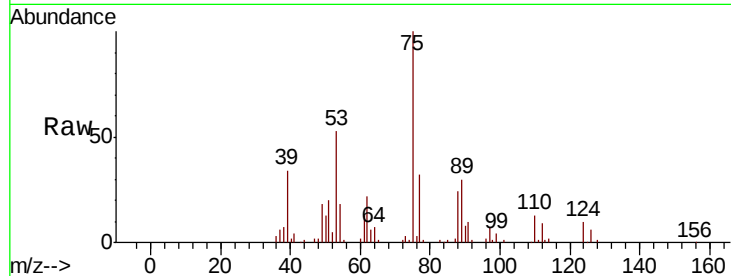
89 0.0 0.0 0.0

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#82

4-Chlorotoluene

Concen: 53.507 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU027309.D

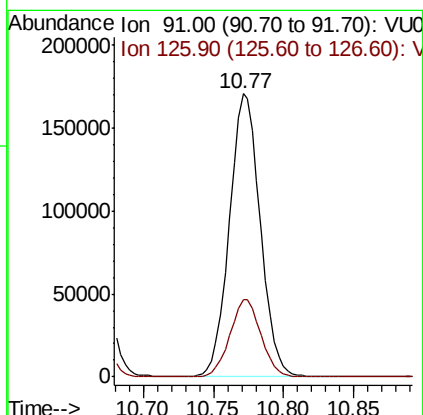
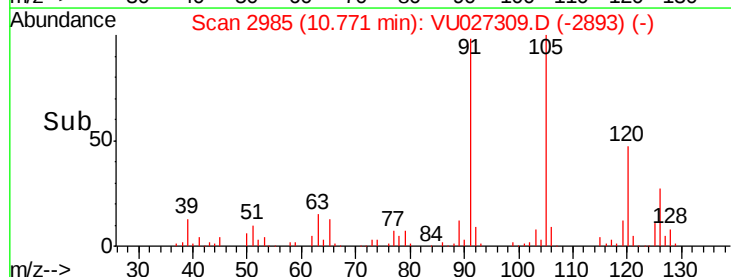
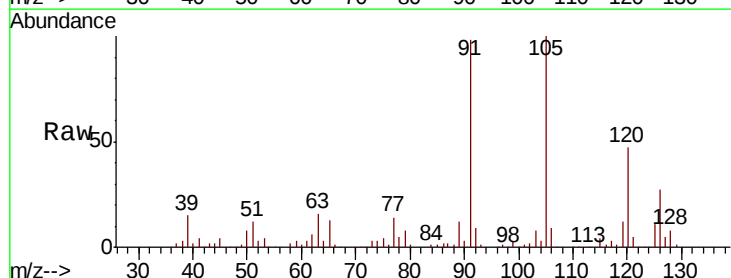
Acq: 29 Sep 2018 06:34

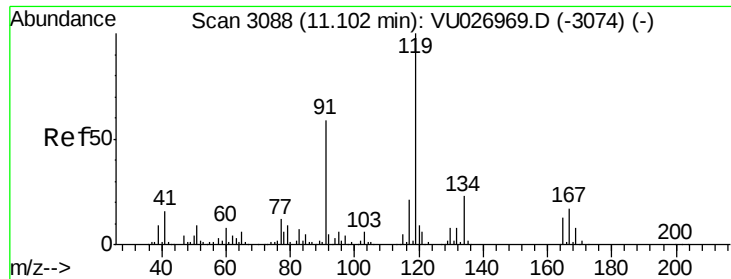
Tgt Ion: 91 Resp: 260046

Ion Ratio Lower Upper

91 100

126 27.7 14.1 42.2





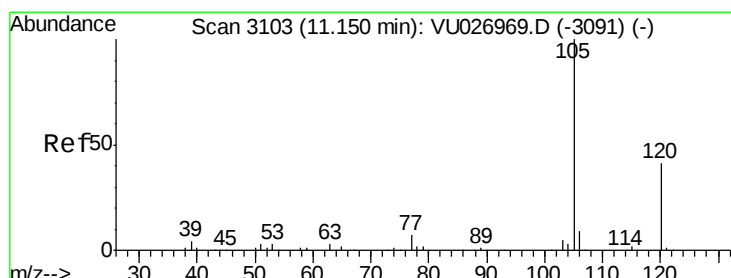
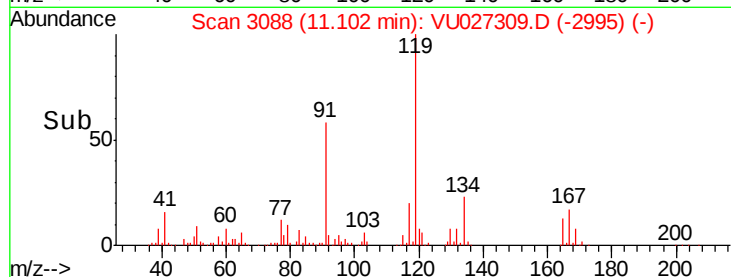
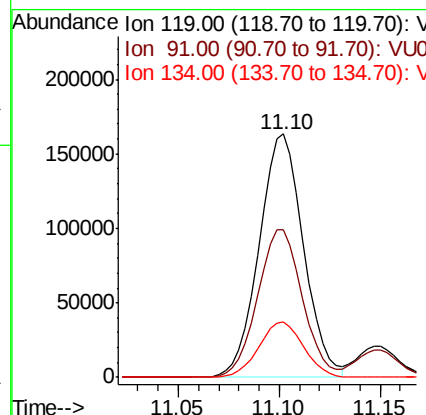
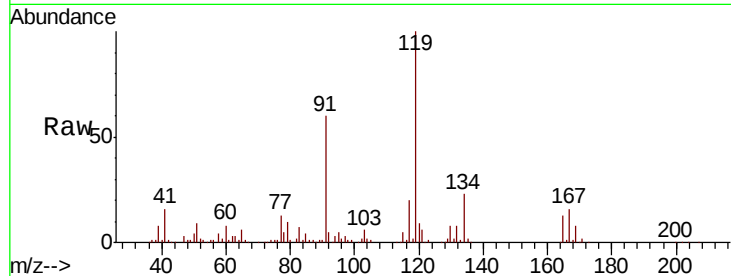
#83
 tert-Butylbenzene
 Concen: 52.734 ug/l
 RT: 11.10 min Scan# 3088
 Delta R.T. 0.00 min
 Lab File: VU027309.D
 Acq: 29 Sep 2018 06:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	250987		
91	60.9		29.8	89.4
134	22.9		11.5	34.4

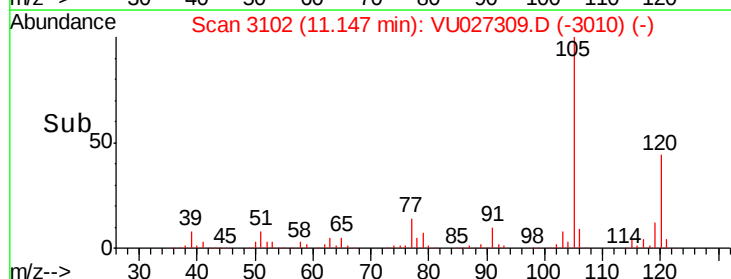
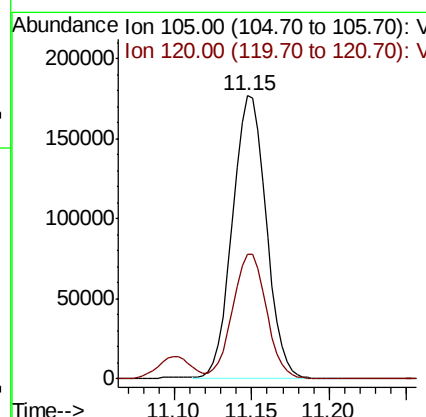
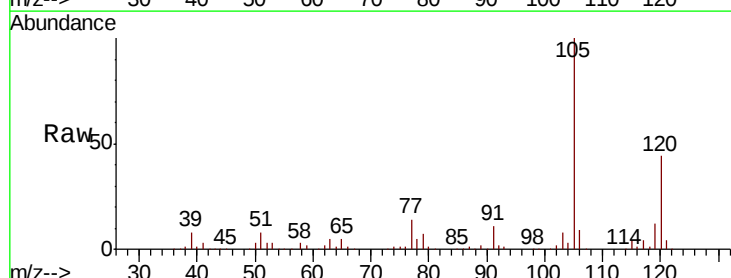
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#84
 1,2,4-Trimethylbenzene
 Concen: 54.514 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: VU027309.D
 Acq: 29 Sep 2018 06:34

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	267076		
120	44.2		22.4	67.2





#85

sec-Butylbenzene

Concen: 54.899 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU027309.D

Acq: 29 Sep 2018 06:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 318957

Ion Ratio Lower Upper

105 100

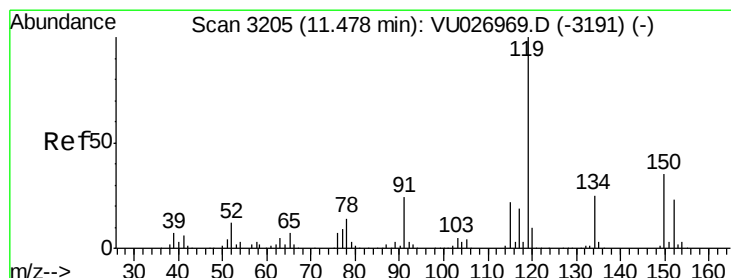
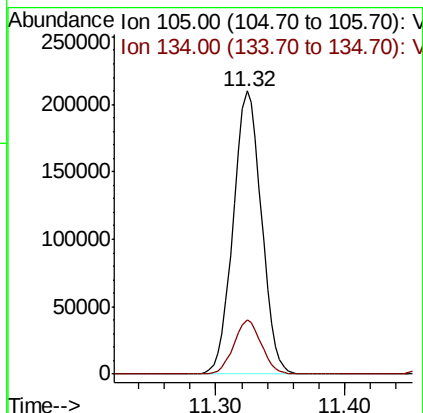
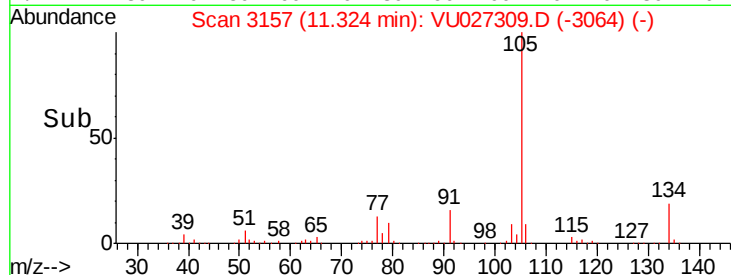
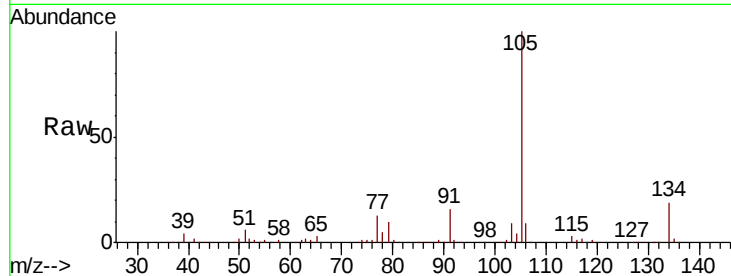
134 18.6 9.4 28.2

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#86

p-Isopropyltoluene

Concen: 49.692 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU027309.D

Acq: 29 Sep 2018 06:34

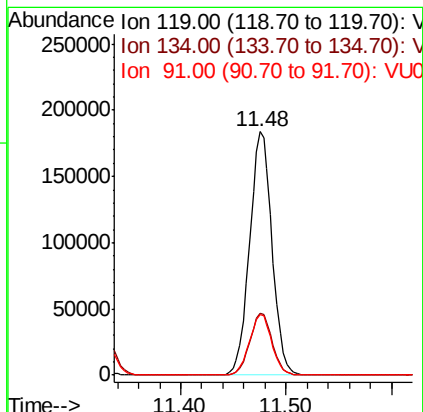
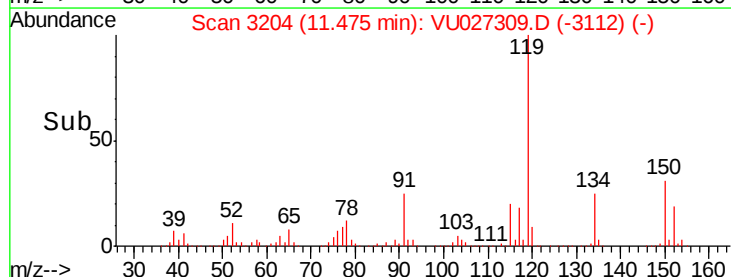
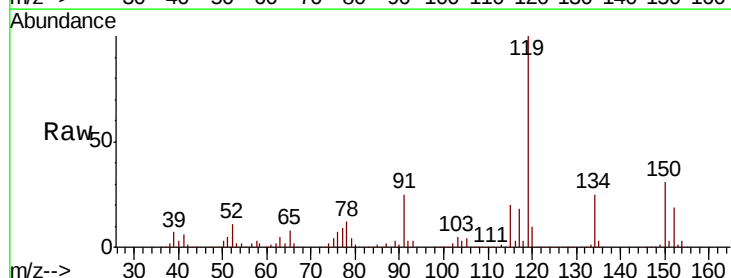
Tgt Ion:119 Resp: 270872

Ion Ratio Lower Upper

119 100

134 25.4 12.8 38.3

91 24.8 12.3 36.8





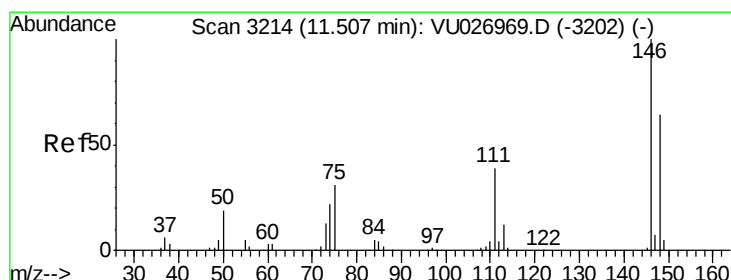
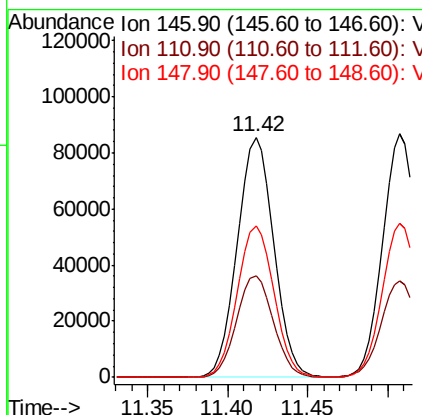
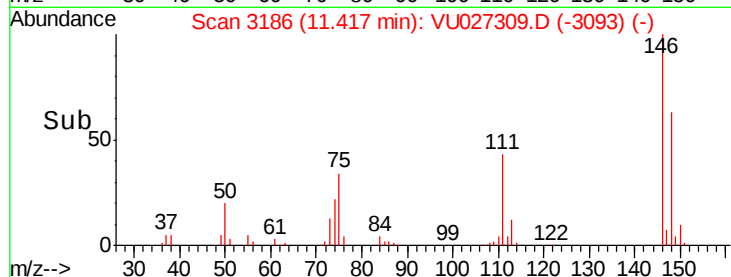
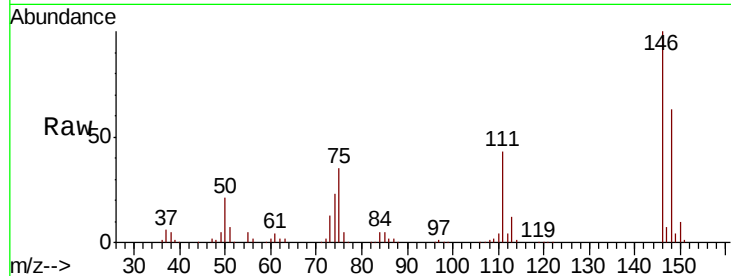
#87
 1,3-Dichlorobenzene
 Concen: 50.106 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU027309.D
 Acq: 29 Sep 2018 06:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.8	62.2
148	63.4	32.0	96.2

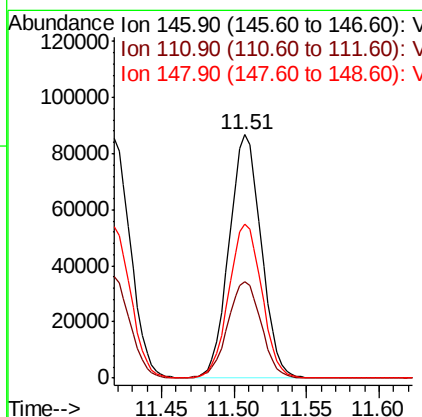
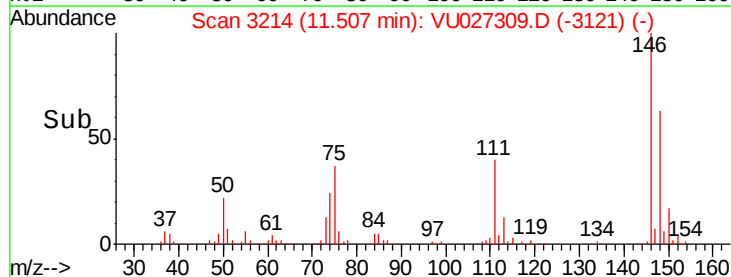
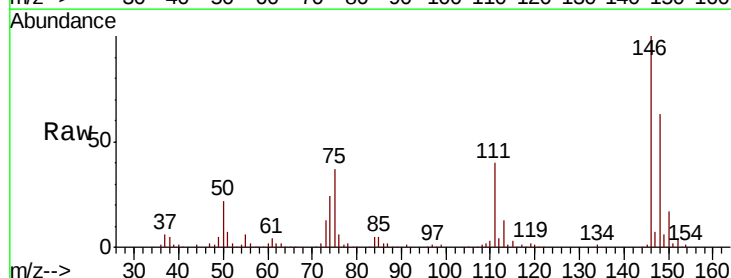
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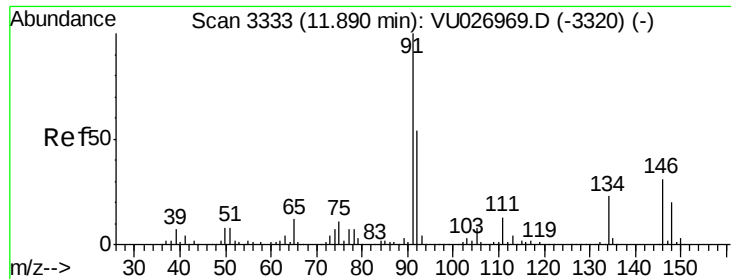
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#88
 1,4-Dichlorobenzene
 Concen: 45.971 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU027309.D
 Acq: 29 Sep 2018 06:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.3	60.9
148	65.1	31.9	95.9





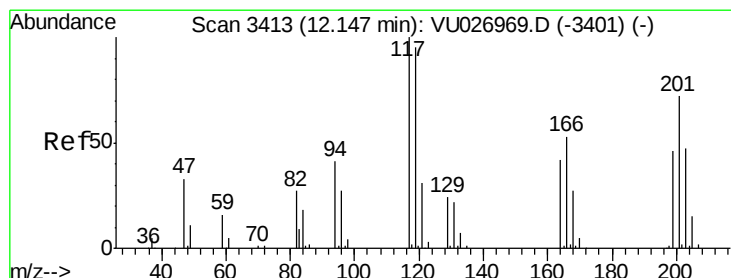
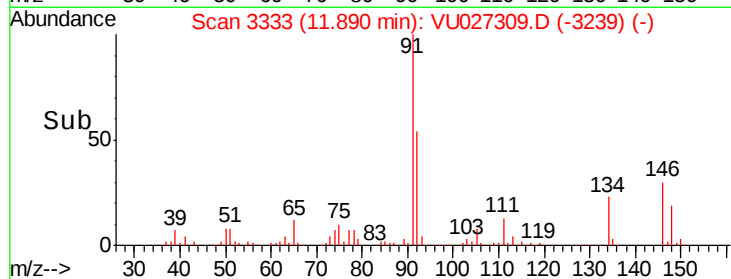
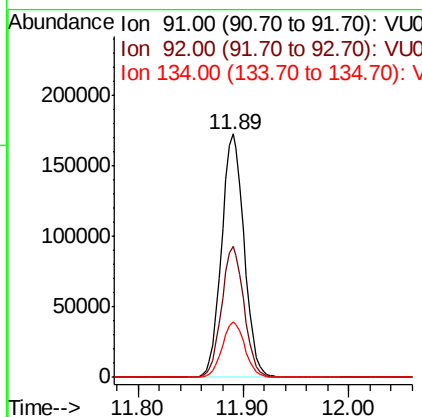
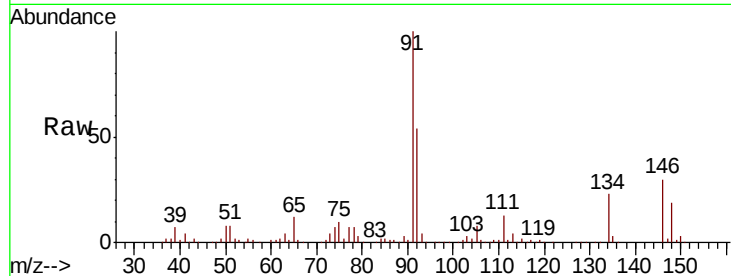
#89
n-Butylbenzene
Concen: 48.216 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027309.D
Acq: 29 Sep 2018 06:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.5	27.1	81.2
134	22.7	11.7	35.0

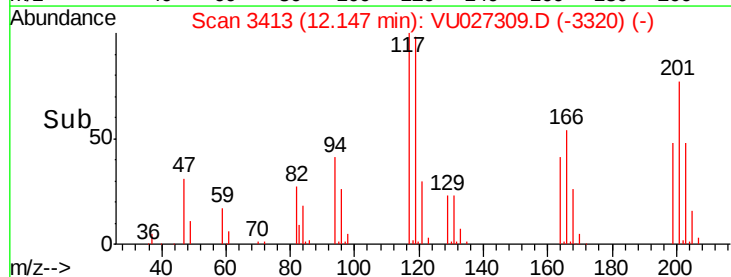
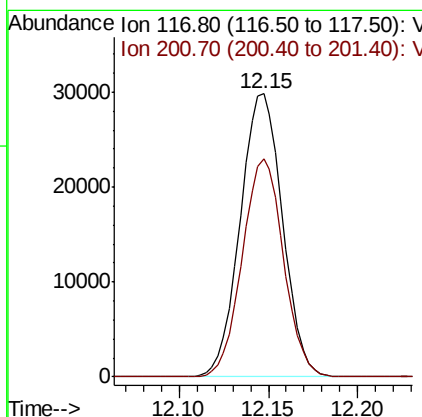
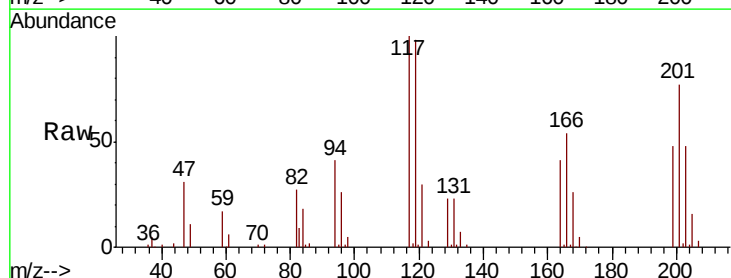
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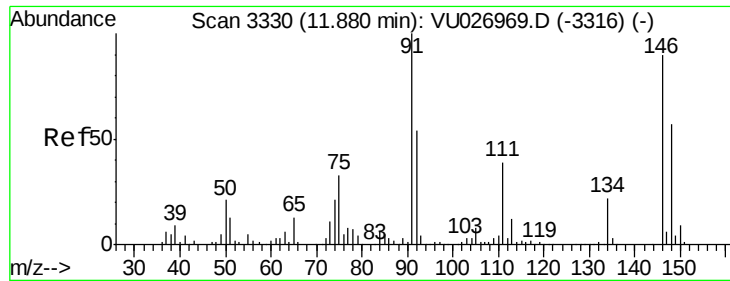
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#90
Hexachloroethane
Concen: 46.723 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU027309.D
Acq: 29 Sep 2018 06:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.8	36.8	110.3





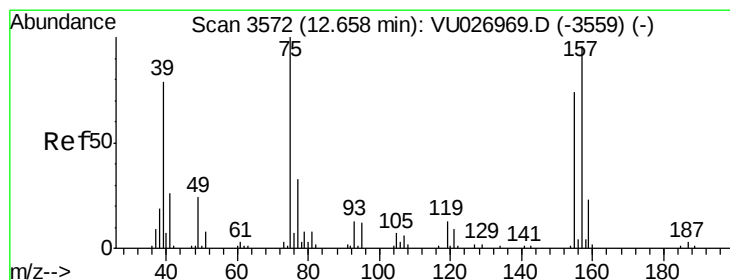
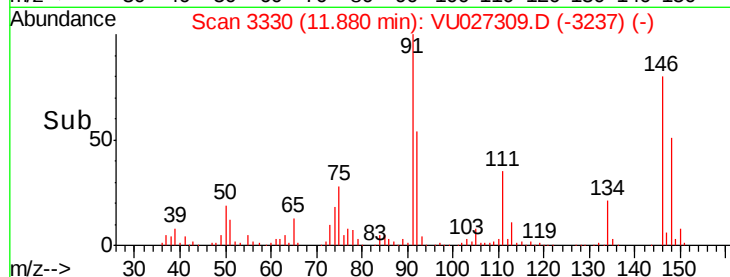
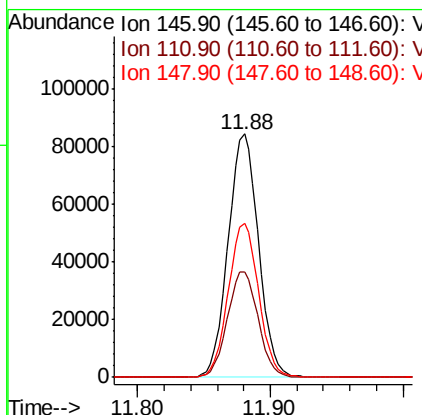
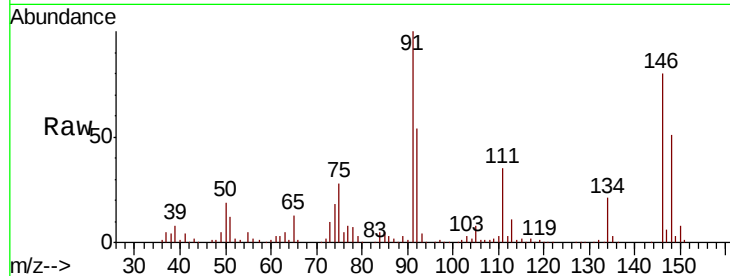
#91
 1,2-Dichlorobenzene
 Concen: 47.589 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027309.D
 Acq: 29 Sep 2018 06:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.8	65.3
148	63.1	31.9	95.7

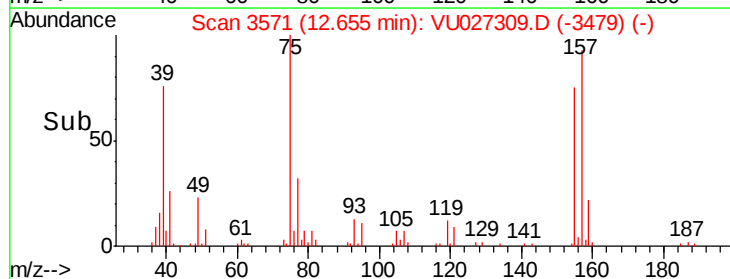
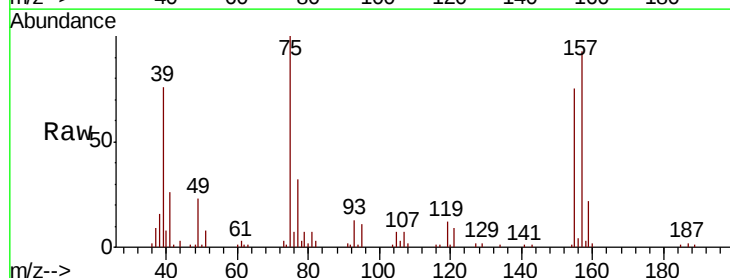
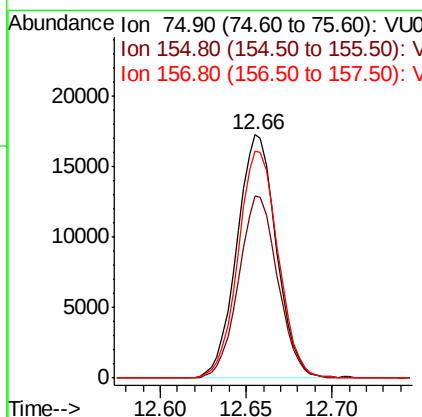
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.405 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU027309.D
 Acq: 29 Sep 2018 06:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.9	36.6	109.8
157	94.4	47.4	142.2





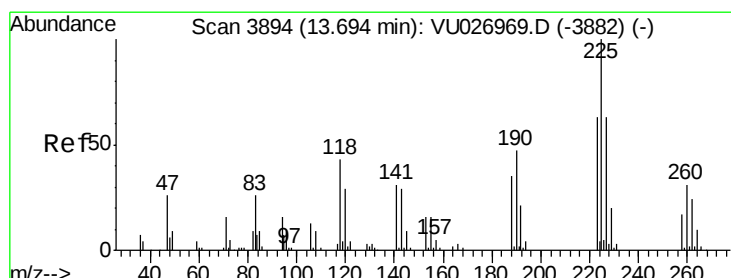
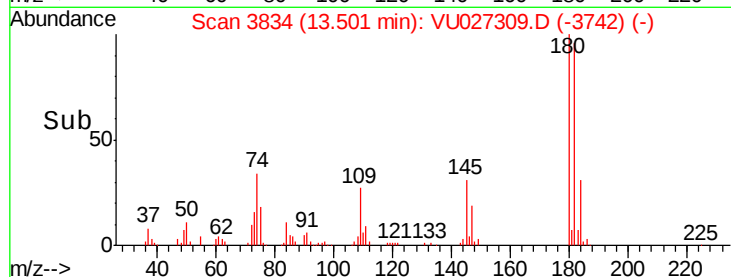
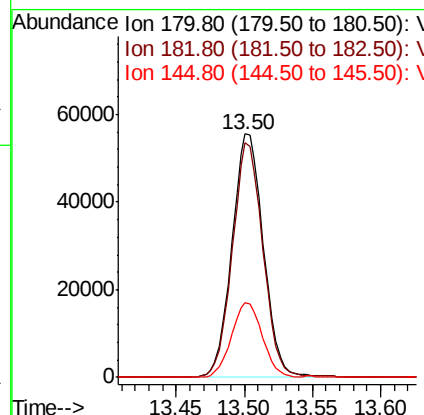
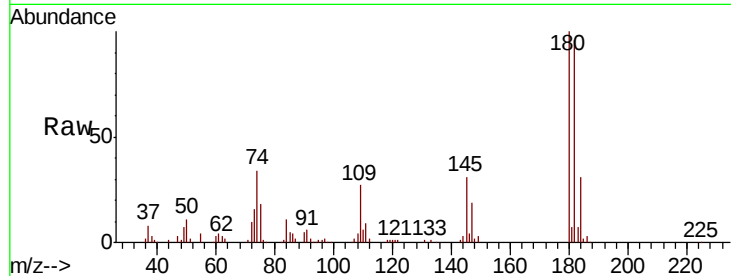
#93
 1,2,4-Trichlorobenzene
 Concen: 54.658 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU027309.D
 Acq: 29 Sep 2018 06:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.4	142.2
145	30.3	14.9	44.5

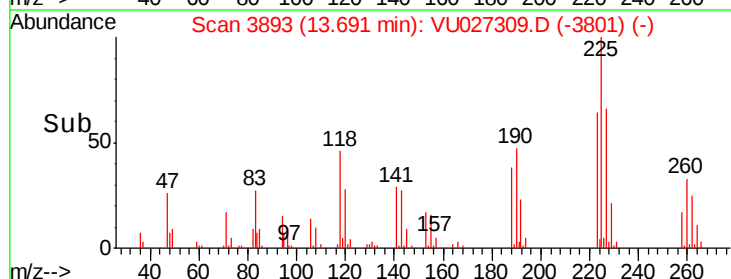
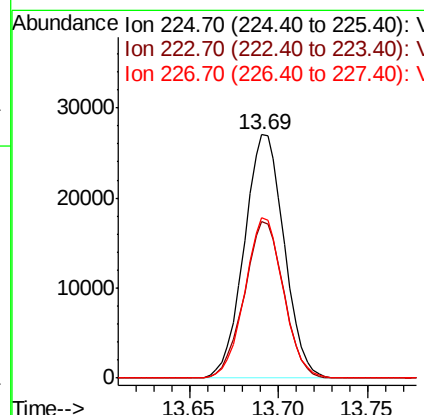
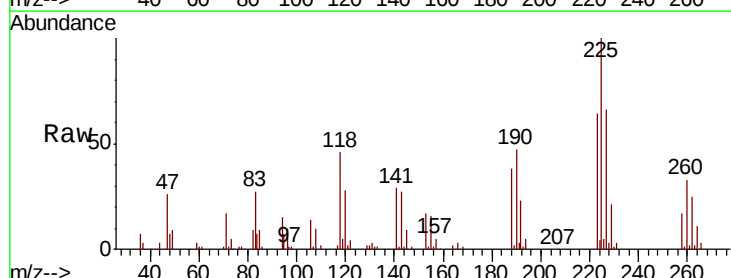
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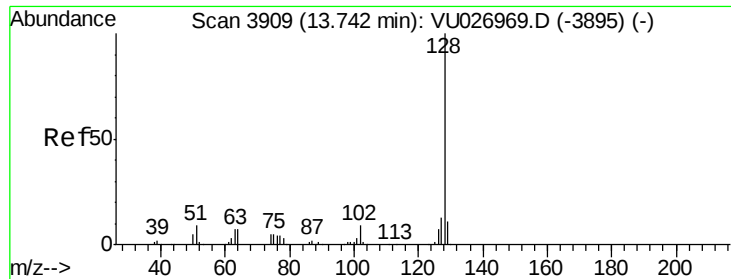
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#94
 Hexachlorobutadiene
 Concen: 49.305 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU027309.D
 Acq: 29 Sep 2018 06:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.9	95.7
227	63.3	32.1	96.5





#95

Naphthalene

Concen: 49.307 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU027309.D

Acq: 29 Sep 2018 06:34

Instrument :

MSVOA_U

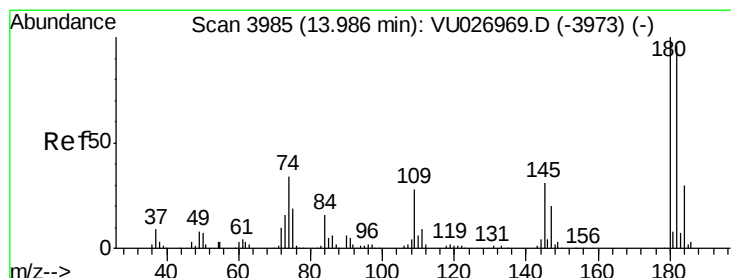
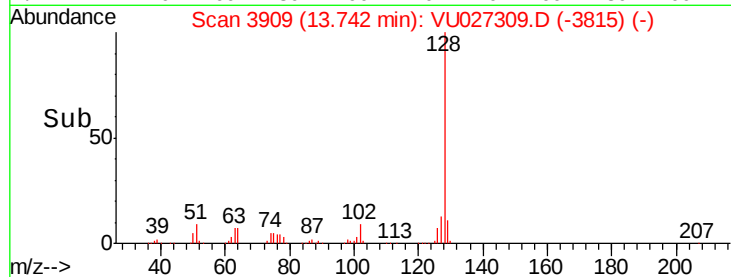
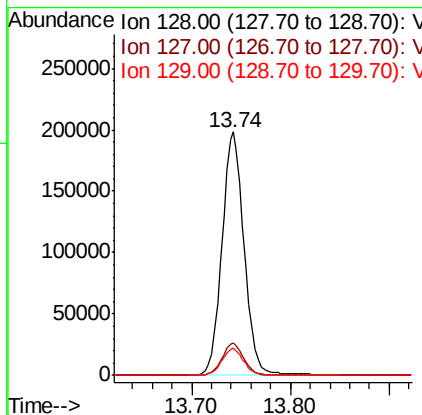
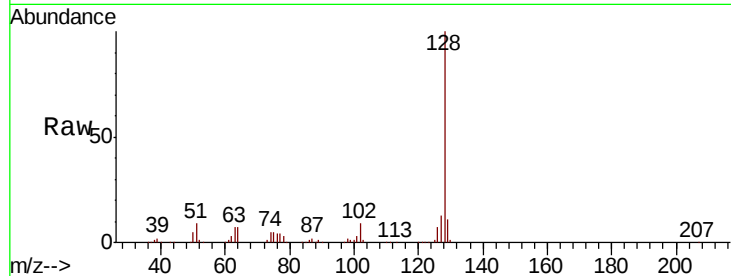
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	312810
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.6	15.8
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/2/2018 1:08:44 PM



#96

1,2,3-Trichlorobenzene

Concen: 53.344 ug/l

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU027309.D

Acq: 29 Sep 2018 06:34

Tgt Ion:	180	Resp:	92867
Ion Ratio	Lower	Upper	
180	100		
182	93.8	47.5	142.5
145	31.9	15.4	46.4

