

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092218\
 Data File : VU027013.D
 Acq On : 22 Sep 2018 14:04
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/24/2018 2:14:21 PM

Quant Time: Sep 24 04:29:15 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	82285	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	135838	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	133026	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	75486	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	73912	44.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.26%	
35) Dibromofluoromethane	4.88	113	51965	44.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.26%	
50) Toluene-d8	7.57	98	205033	45.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.38%	
62) 4-Bromofluorobenzene	10.31	95	75290	48.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	47161	43.898	ug/l	99
3) Chloromethane	1.33	50	77846	42.027	ug/l	99
4) Vinyl Chloride	1.40	62	74880	43.308	ug/l	100
5) Bromomethane	1.62	94	42718	43.386	ug/l	99
6) Chloroethane	1.69	64	49222	44.555	ug/l	99
7) Trichlorofluoromethane	1.88	101	87390	44.502	ug/l	96
8) Diethyl Ether	2.10	74	42068	44.506	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.29	101	52101	43.150	ug/l	98
10) Methyl Iodide	2.41	142	54748	36.559	ug/l	100
11) Tert butyl alcohol	2.83	59	87343	230.095	ug/l	99
12) 1,1-Dichloroethene	2.28	96	50323	44.280	ug/l	99
13) Acrolein	2.19	56	43450	212.338	ug/l	99
14) Allyl chloride	2.59	41	112484	48.799	ug/l	97
15) Acrylonitrile	2.94	53	225545	235.747	ug/l	100
16) Acetone	2.32	43	233587	266.629	ug/l	98
17) Carbon Disulfide	2.48	76	159785	43.159	ug/l	99
18) Methyl Acetate	2.61	43	111565	47.329	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	200092	47.911	ug/l	99
20) Methylene Chloride	2.70	84	64635	43.579	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	55244	45.529	ug/l	99
22) Diisopropyl ether	3.57	45	248339	50.370	ug/l	98
23) Vinyl Acetate	3.52	43	1048184	249.408	ug/l	100
24) 1,1-Dichloroethane	3.45	63	125726	46.301	ug/l	99
25) 2-Butanone	4.26	43	332639	239.002	ug/l	98
26) 2,2-Dichloropropane	4.23	77	97588	46.082	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	62918	45.915	ug/l	96
28) Bromochloromethane	4.55	49	53508	40.878	ug/l	96
29) Tetrahydrofuran	4.64	42	205399	243.960	ug/l	99
30) Chloroform	4.67	83	112931	44.804	ug/l	100
31) Cyclohexane	5.00	56	114996	46.548	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	92078	45.754	ug/l	99
36) 1,1-Dichloropropene	5.14	75	87832	48.448	ug/l	98
37) Ethyl Acetate	4.38	43	114206	46.535	ug/l	99
38) Carbon Tetrachloride	5.13	117	77157	44.723	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	99751	50.632	ug/l	98
40) Benzene	5.39	78	256694	46.577	ug/l	99
41) Methacrylonitrile	4.54	41	65459	51.357	ug/l	98
42) 1,2-Dichloroethane	5.40	62	99027	47.558	ug/l	99
43) Isopropyl Acetate	5.55	43	178348	49.830	ug/l	99
44) Trichloroethene	6.19	130	54571	46.511	ug/l	98
45) 1,2-Dichloropropane	6.43	63	74698	47.568	ug/l	100
46) Dibromomethane	6.56	93	43432	45.795	ug/l	98
47) Bromodichloromethane	6.76	83	86434	45.071	ug/l	98
48) Methyl methacrylate	6.62	41	89837	46.195	ug/l	100
49) 1,4-Dioxane	6.61	88	36815	951.509	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	605393	251.493	ug/l	100
52) Toluene	7.64	92	150937	47.779	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	101828	49.421	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	108593	47.933	ug/l	100
55) 1,1,2-Trichloroethane	8.07	97	62276	46.525	ug/l	100
56) Ethyl methacrylate	8.02	69	103940	44.983	ug/l	98
57) 1,3-Dichloropropane	8.24	76	117849	47.336	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	263415	200.822	ug/l	100
59) 2-Hexanone	8.36	43	468665	248.720	ug/l	100
60) Dibromochloromethane	8.48	129	61535	46.866	ug/l	97
61) 1,2-Dibromoethane	8.59	107	64912	46.608	ug/l	99
64) Tetrachloroethene	8.23	164	45802	44.682	ug/l	98
65) Chlorobenzene	9.12	112	157964	44.785	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	56172	46.236	ug/l	99
67) Ethyl Benzene	9.25	91	286138	49.333	ug/l	99
68) m/p-Xylenes	9.38	106	215893	92.032	ug/l	99
69) o-Xylene	9.78	106	103593	50.409	ug/l	100
70) Styrene	9.79	104	170831	44.719	ug/l	100
71) Bromoform	9.96	173	43675	46.488	ug/l #	99
73) Isopropylbenzene	10.17	105	279092	48.604	ug/l	100
74) N-amyl acetate	10.02	43	160163	48.187	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	108942	41.265	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	94549m	41.229	ug/l	
77) Bromobenzene	10.45	156	61918	44.126	ug/l	95
78) n-propylbenzene	10.59	91	339957	50.036	ug/l	100
79) 2-Chlorotoluene	10.66	91	200669	47.021	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	234519	49.477	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	32811m	45.787	ug/l	
82) 4-Chlorotoluene	10.77	91	232861	48.662	ug/l	98
83) tert-Butylbenzene	11.10	119	223193	47.627	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	241771	50.120	ug/l	99
85) sec-Butylbenzene	11.32	105	284315	49.701	ug/l	99
86) p-Isopropyltoluene	11.48	119	244643	45.659	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	116017	44.431	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	119078	41.842	ug/l	99
89) n-Butylbenzene	11.89	91	227702	44.059	ug/l	99
90) Hexachloroethane	12.15	117	44652	42.924	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	115960	41.807	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	23521	43.672	ug/l	99

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	74754	46.768	ug/l	99
94) Hexachlorobutadiene	13.69	225	38446	45.458	ug/l	99
95) Naphthalene	13.75	128	265384	42.719	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	79524	46.394	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU027013.D

Acq: 22 Sep 2018 14:04

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 82285

Ion Ratio Lower Upper

168 100

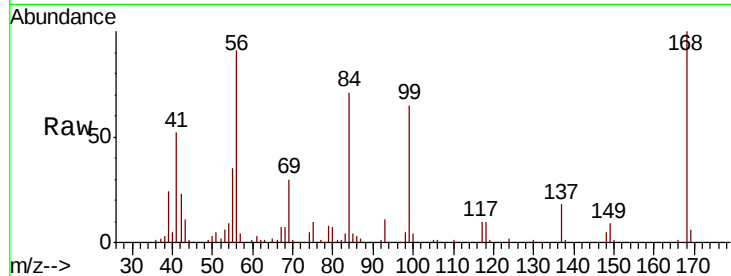
99 64.5 48.1 72.1

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) (-)

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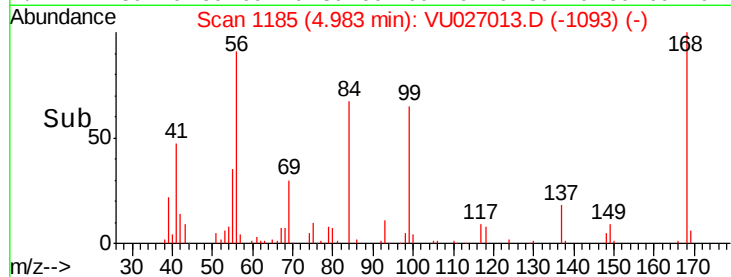
4.98

4.98

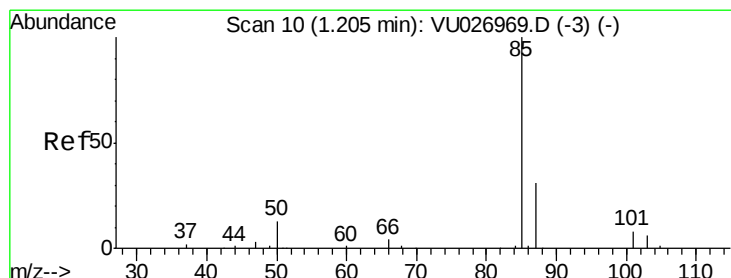
4.98

4.98

4.98



Time-->



#2

Dichlorodifluoromethane

Concen: 43.898 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU027013.D

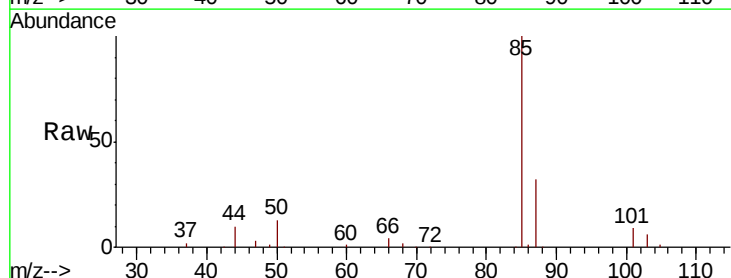
Acq: 22 Sep 2018 14:04

Tgt Ion: 85 Resp: 47161

Ion Ratio Lower Upper

85 100

87 31.9 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) (-)

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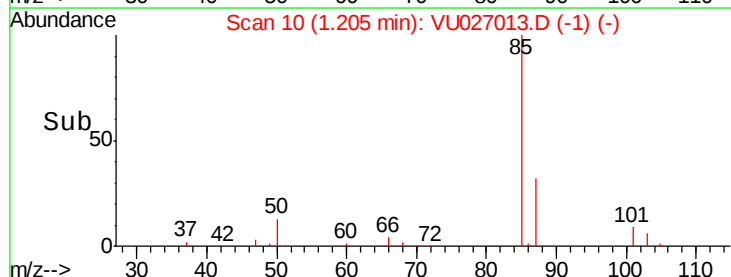
1.21

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Time-->



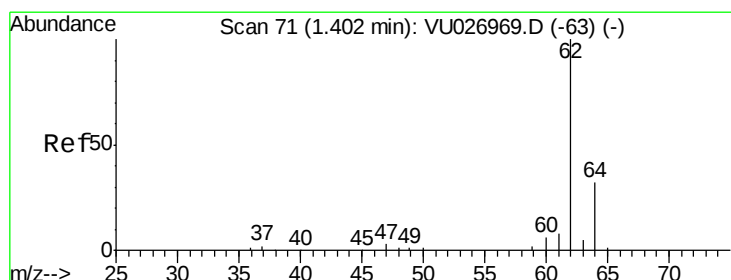
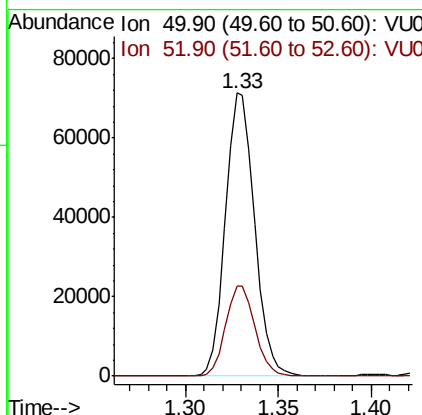
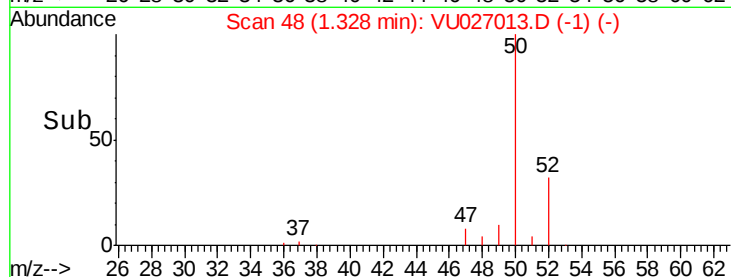
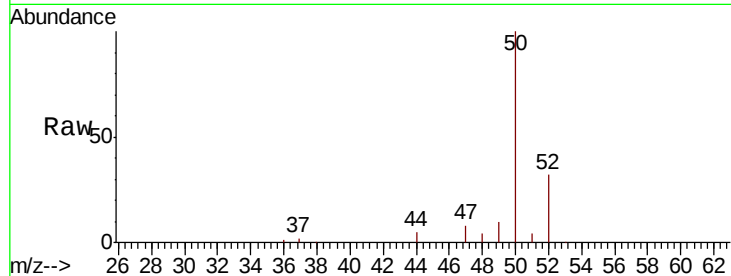
#3
Chloromethane
Concen: 42.027 ug/l
RT: 1.33 min Scan# 48
Delta R.T. -0.00 min
Lab File: VU027013.D
Acq: 22 Sep 2018 14:04

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 50 Resp: 77846
Ion Ratio Lower Upper
50 100
52 31.9 25.9 38.9

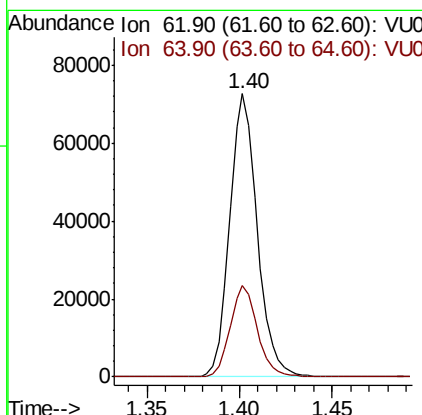
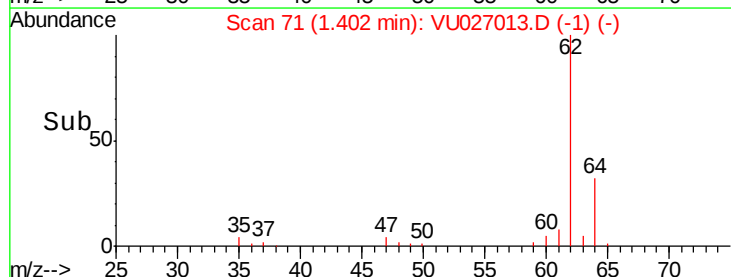
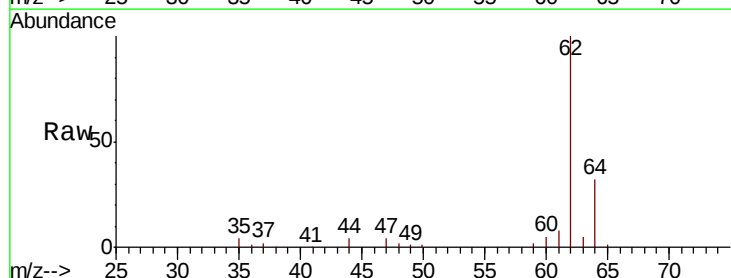
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#4
Vinyl Chloride
Concen: 43.308 ug/l
RT: 1.40 min Scan# 71
Delta R.T. -0.00 min
Lab File: VU027013.D
Acq: 22 Sep 2018 14:04

Tgt Ion: 62 Resp: 74880
Ion Ratio Lower Upper
62 100
64 32.1 25.5 38.3





#5

Bromomethane

Concen: 43.386 ug/l

RT: 1.62 min Scan# 138

Delta R.T. -0.00 min

Lab File: VU027013.D

Acq: 22 Sep 2018 14:04

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 42718

Ion Ratio Lower Upper

94 100

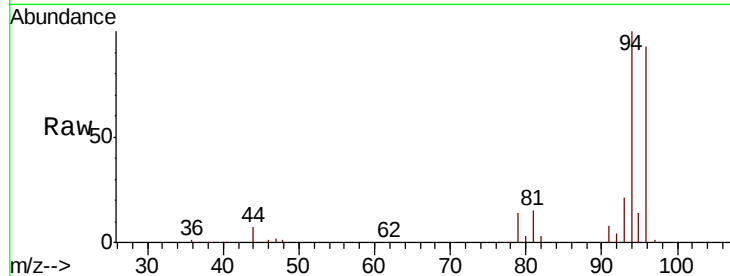
96 92.7 73.2 109.8

Manual Integrations

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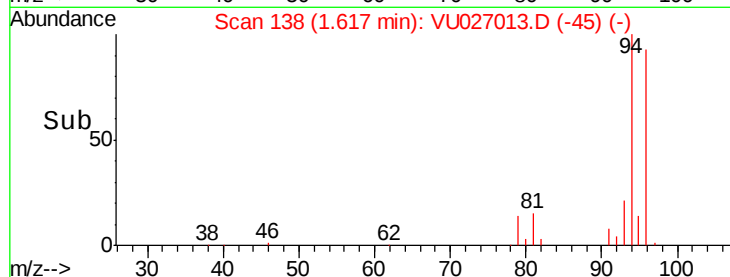


Abundance Ion 93.90 (93.60 to 94.60): VU027013.D (-128) (-)

Ion 95.90 (95.60 to 96.60): VU027013.D (-128) (-)

1.62

Time-->

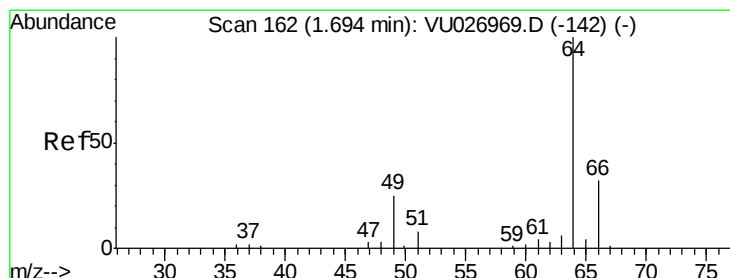


Abundance Ion 93.90 (93.60 to 94.60): VU027013.D (-45) (-)

Ion 95.90 (95.60 to 96.60): VU027013.D (-45) (-)

1.62

Time-->



#6

Chloroethane

Concen: 44.555 ug/l

RT: 1.69 min Scan# 161

Delta R.T. -0.00 min

Lab File: VU027013.D

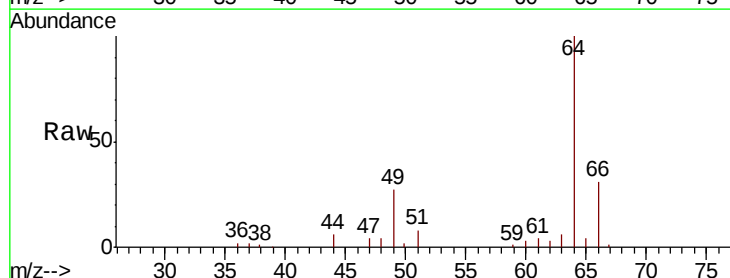
Acq: 22 Sep 2018 14:04

Tgt Ion: 64 Resp: 49222

Ion Ratio Lower Upper

64 100

66 31.1 25.3 37.9

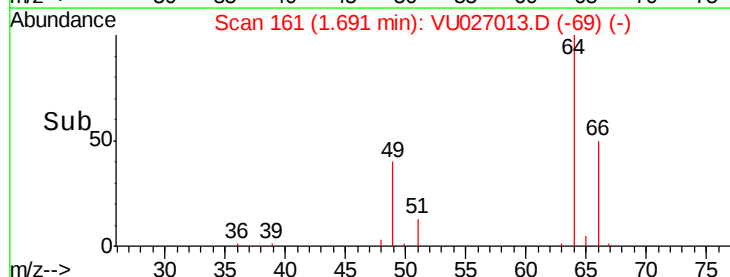


Abundance Ion 63.90 (63.60 to 64.60): VU027013.D (-142) (-)

Ion 65.90 (65.60 to 66.60): VU027013.D (-142) (-)

1.69

Time-->



Abundance Ion 63.90 (63.60 to 64.60): VU027013.D (-69) (-)

Ion 65.90 (65.60 to 66.60): VU027013.D (-69) (-)

1.69

Time-->



#7

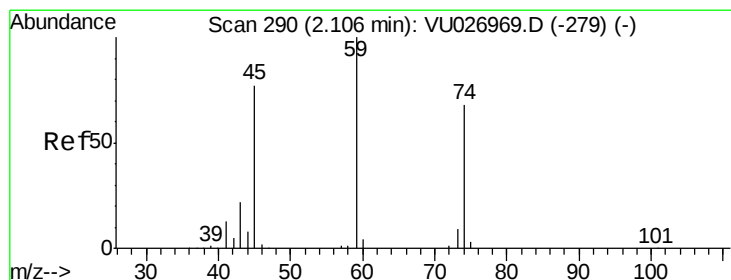
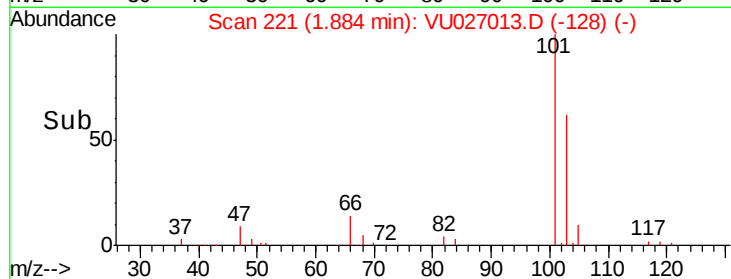
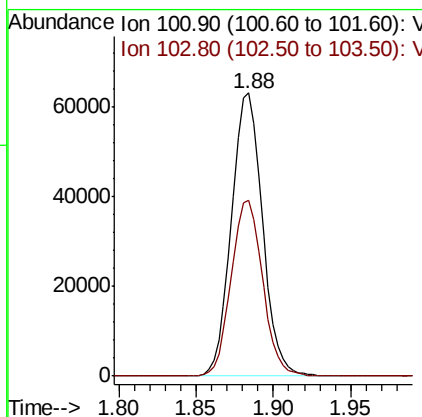
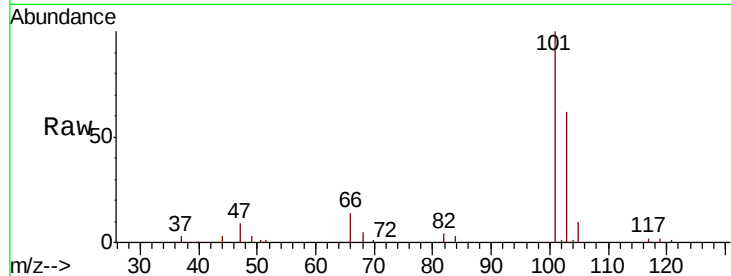
Trichlorofluoromethane
 Concen: 44.502 ug/l
 RT: 1.88 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VU027013.D
 Acq: 22 Sep 2018 14:04

Instrument :
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 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.2	52.2	78.2

Manual Integrations
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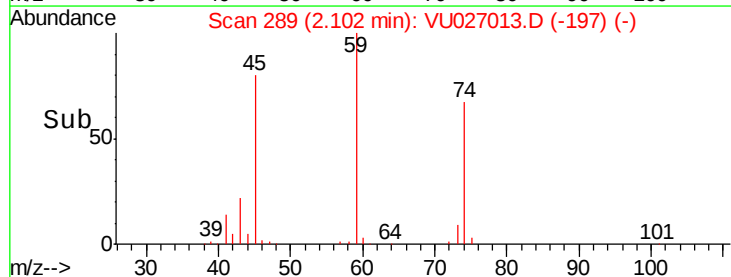
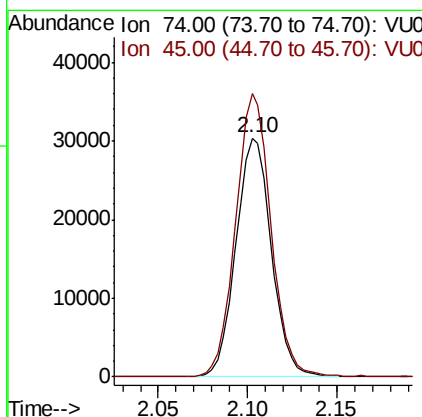
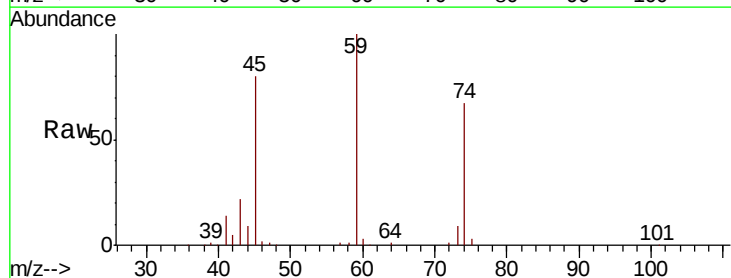
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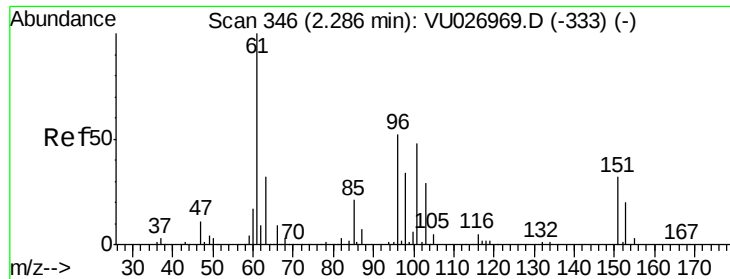


#8

Diethyl Ether
 Concen: 44.506 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU027013.D
 Acq: 22 Sep 2018 14:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	118.4	56.9	170.7





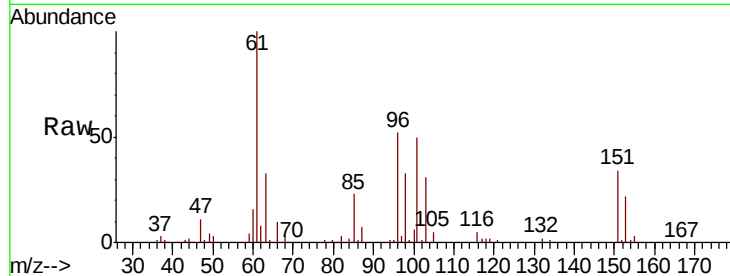
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 43.150 ug/l
 RT: 2.29 min Scan# 346
 Delta R.T. -0.00 min
 Lab File: VU027013.D
 Acq: 22 Sep 2018 14:04

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Tot Ion	Ratio	Lower	Upper
101	100		
85	46.7	36.2	54.2
151	69.5	54.5	81.7

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 9/24/2018 2:14:21 PM

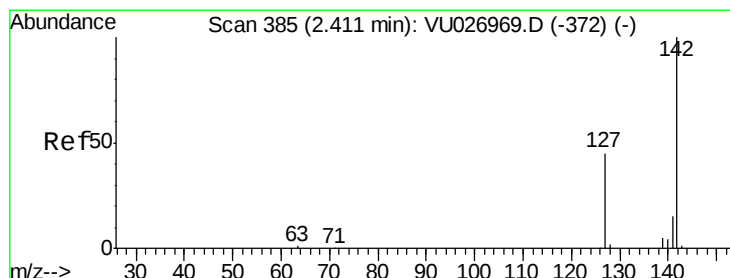
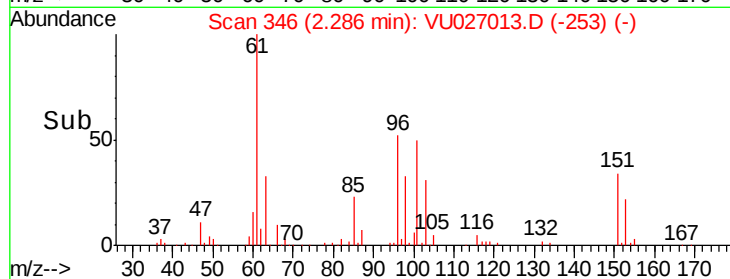
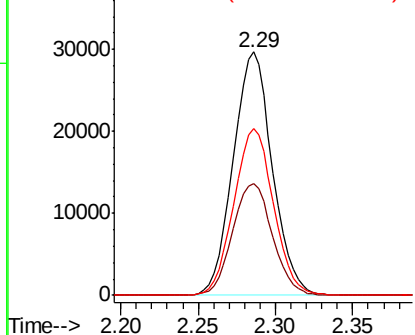


Abundance

Ion 100.90 (100.60 to 101.60): V

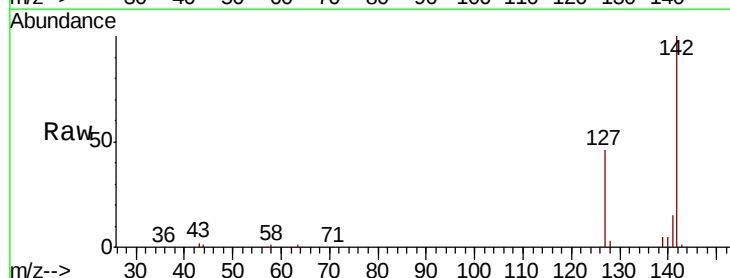
Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10
 Methyl Iodide
 Concen: 36.559 ug/l
 RT: 2.41 min Scan# 385
 Delta R.T. -0.00 min
 Lab File: VU027013.D
 Acq: 22 Sep 2018 14:04

Tgt Ion	Ratio	Lower	Upper
142	100		
127	46.2	36.7	55.1
141	14.8	11.8	17.6

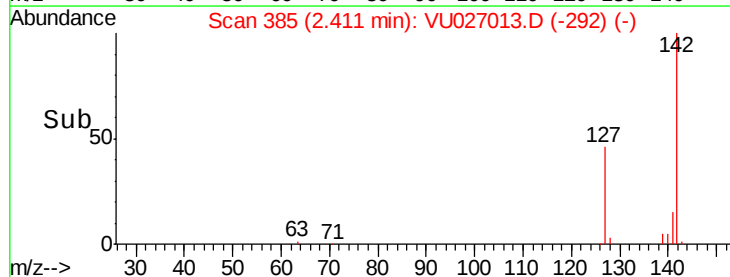
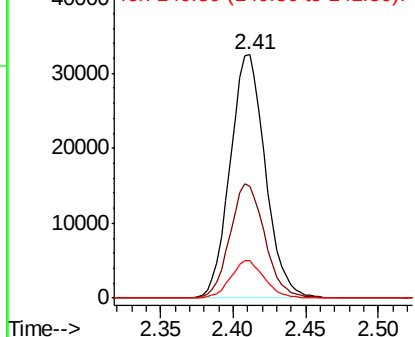


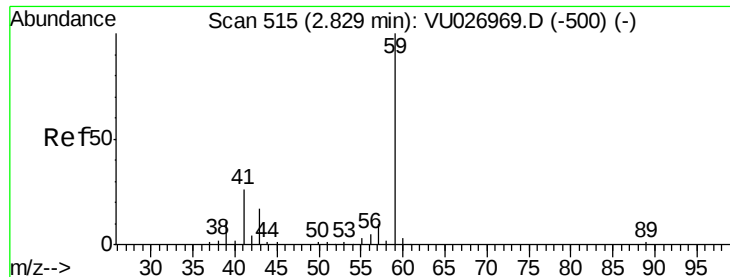
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

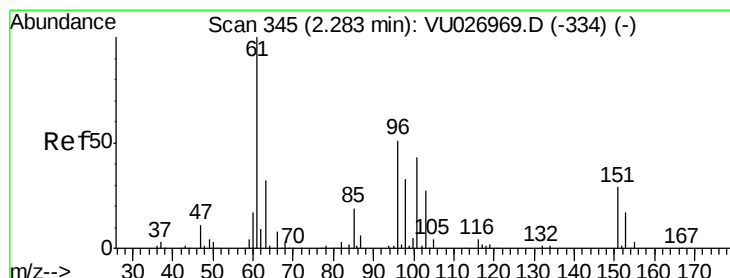
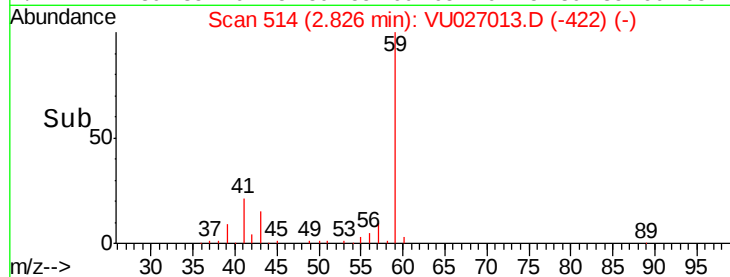
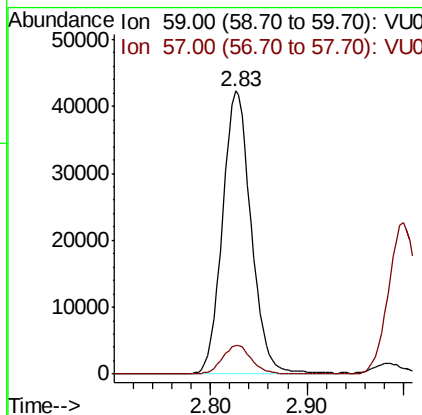
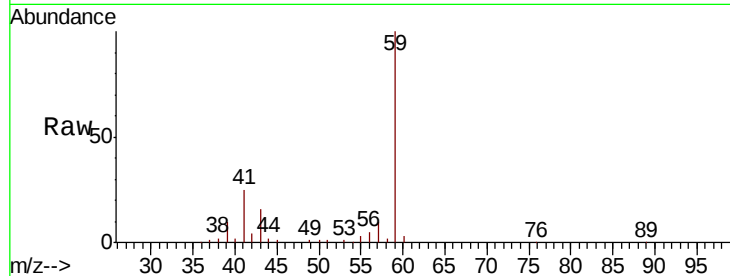
Tert butyl alcohol
 Concen: 230.095 ug/l
 RT: 2.83 min Scan# 514
 Delta R.T. -0.00 min
 Lab File: VU027013.D
 Acq: 22 Sep 2018 14:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	59	57	Ratio	100	10.2	Resp	87343	Lower	Upper
59	100								
57		10.2					8.5		12.7

Manual Integrations
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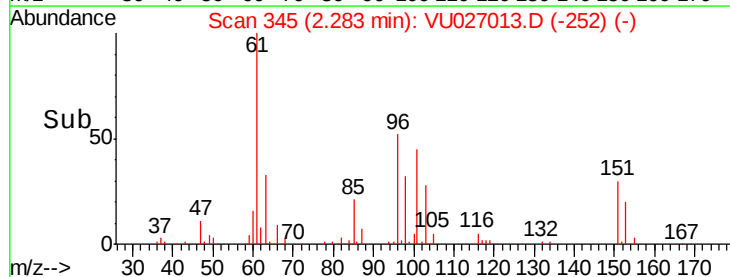
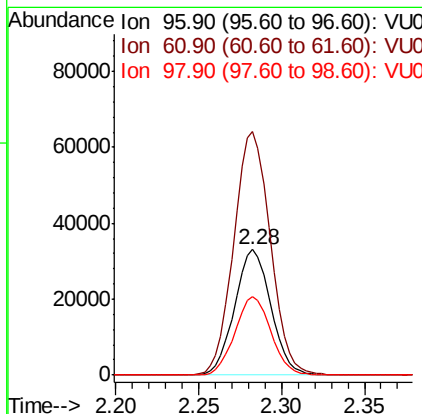
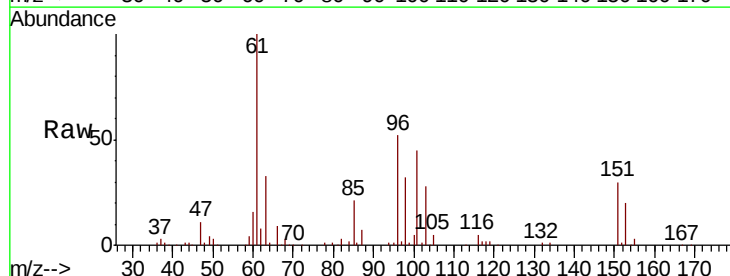
MMDadoda
 9/24/2018 2:14:21 PM

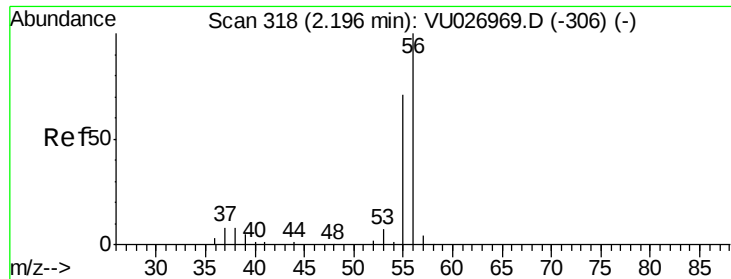


#12

1,1-Dichloroethene
 Concen: 44.280 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. -0.00 min
 Lab File: VU027013.D
 Acq: 22 Sep 2018 14:04

Tgt Ion	96	61	98	Ratio	100	194.0	63.0	Resp	50323	Lower	Upper
96	100										
61		194.0								156.1	234.1
98		63.0								51.4	77.0





#13

Acrolein

Concen: 212.338 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU027013.D

Acq: 22 Sep 2018 14:04

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 43450

Ion Ratio Lower Upper

56 100

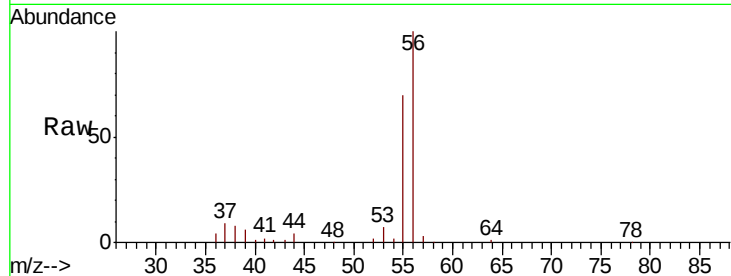
55 72.2 57.1 85.7

Manual Integrations

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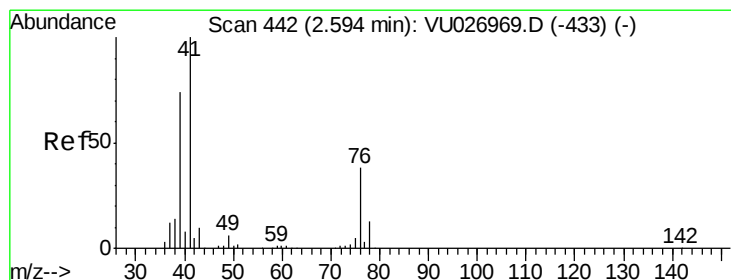
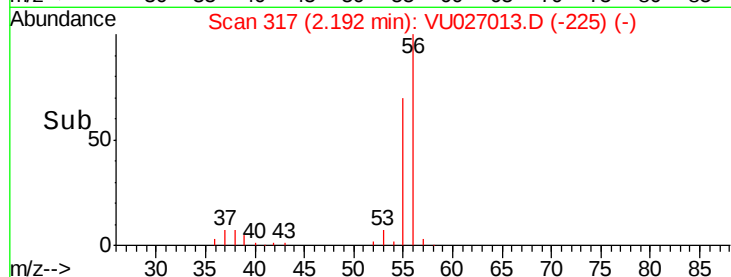
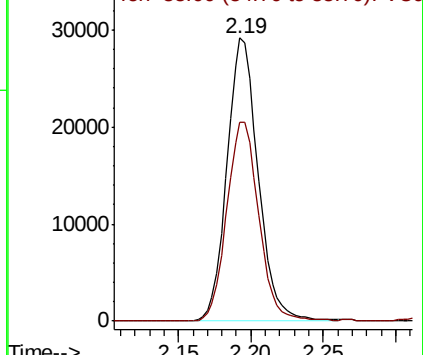
MMDadoda

9/24/2018 2:14:21 PM



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 48.799 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU027013.D

Acq: 22 Sep 2018 14:04

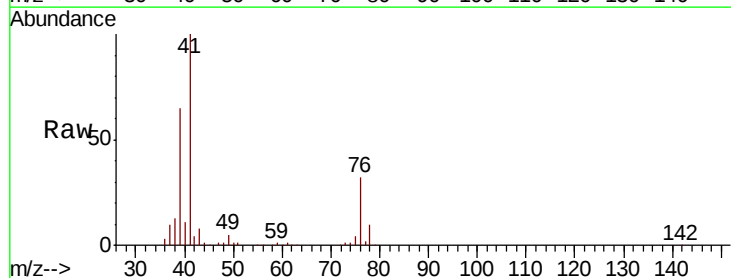
Tgt Ion: 41 Resp: 112484

Ion Ratio Lower Upper

41 100

39 67.2 55.7 83.5

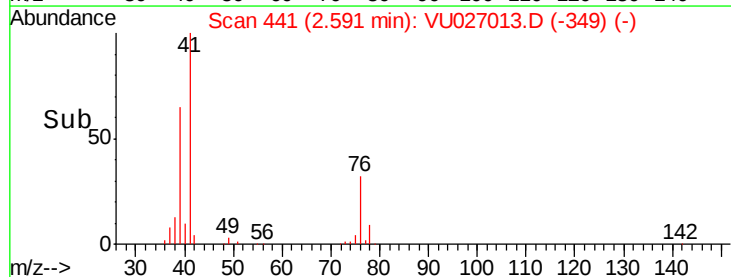
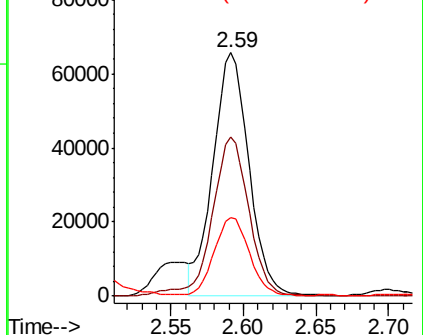
76 31.1 26.5 39.7

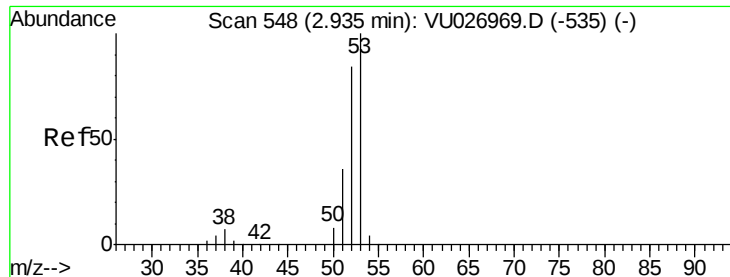


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 235.747 ug/l

RT: 2.94 min Scan# 548

Delta R.T. -0.00 min

Lab File: VU027013.D

Acq: 22 Sep 2018 14:04

Instrument :

MSVOA_U

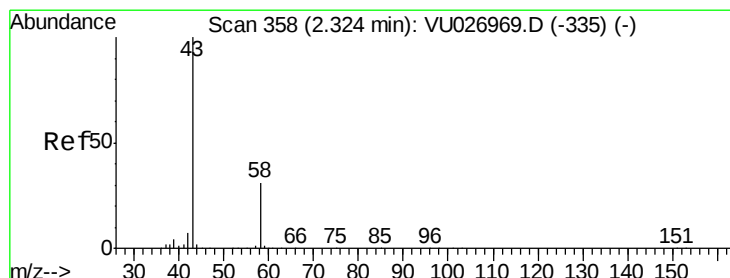
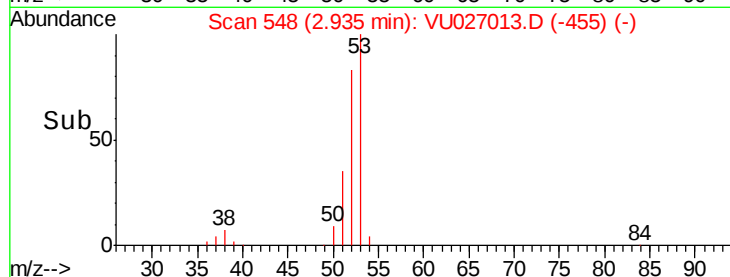
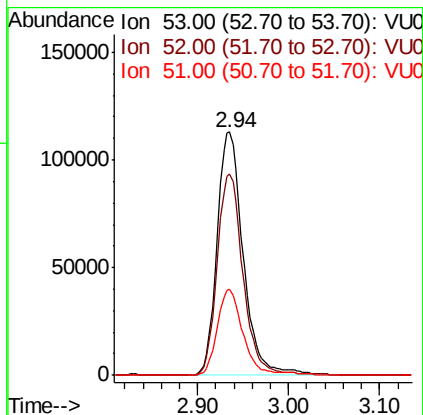
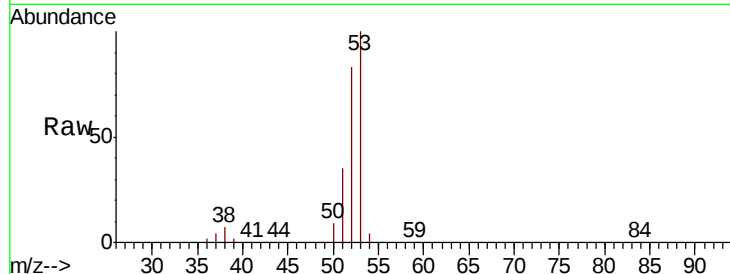
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	225545
Ion	Ratio	Lower	Upper
53	100		
52	82.5	65.7	98.5
51	34.3	27.4	41.2

Manual Integrations
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#16

Acetone

Concen: 266.629 ug/l

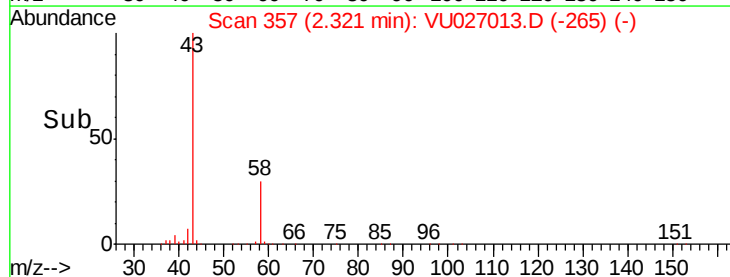
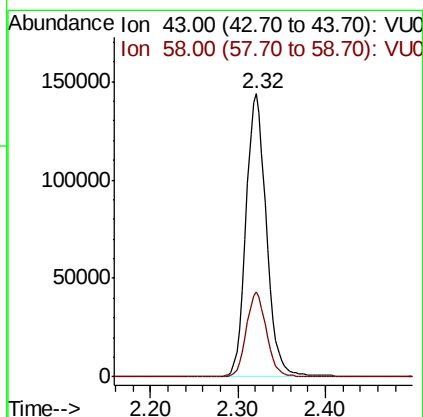
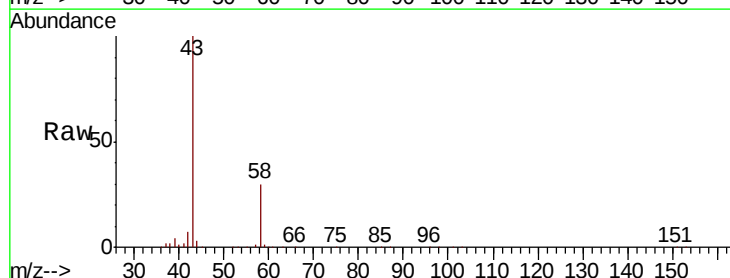
RT: 2.32 min Scan# 357

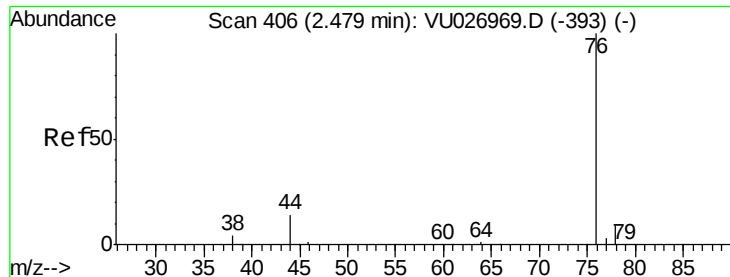
Delta R.T. -0.00 min

Lab File: VU027013.D

Acq: 22 Sep 2018 14:04

Tgt Ion:	43	Resp:	233587
Ion	Ratio	Lower	Upper
43	100		
58	29.8	24.6	36.8





#17

Carbon Disulfide

Concen: 43.159 ug/l

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU027013.D

Acq: 22 Sep 2018 14:04

Tot Ion: 76 Resp: 159785

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7

Instrument :

MSVOA_U

ClientSampleId :

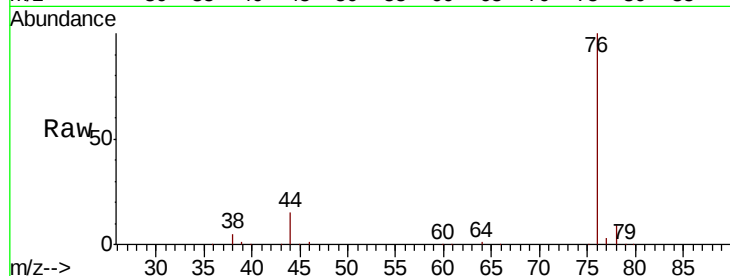
VSTDCCC050

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VU026969.D (-393) (-)

Ion 77.90 (77.60 to 78.60): VU026969.D (-393) (-)

2.48

100000

80000

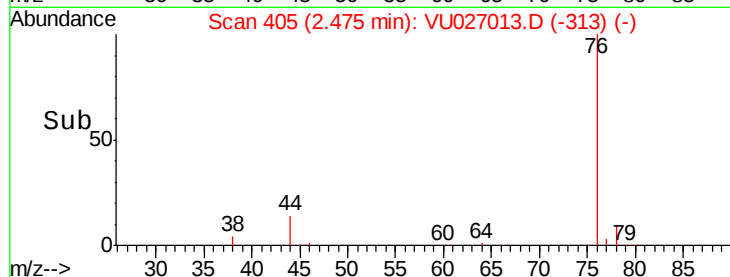
60000

40000

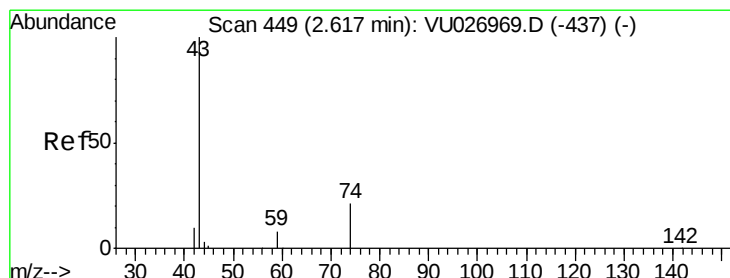
20000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 47.329 ug/l

RT: 2.61 min Scan# 448

Delta R.T. -0.00 min

Lab File: VU027013.D

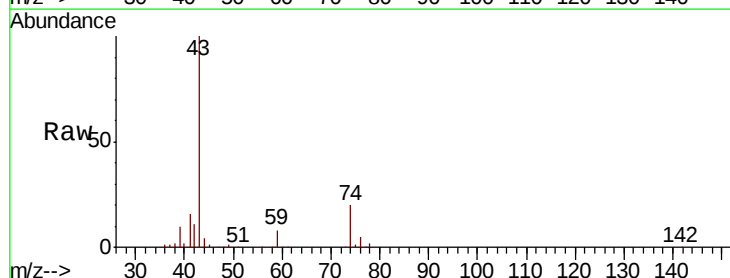
Acq: 22 Sep 2018 14:04

Tgt Ion: 43 Resp: 111565

Ion Ratio Lower Upper

43 100

74 20.3 16.6 25.0



Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-437) (-)

Ion 74.00 (73.70 to 74.70): VU026969.D (-437) (-)

2.61

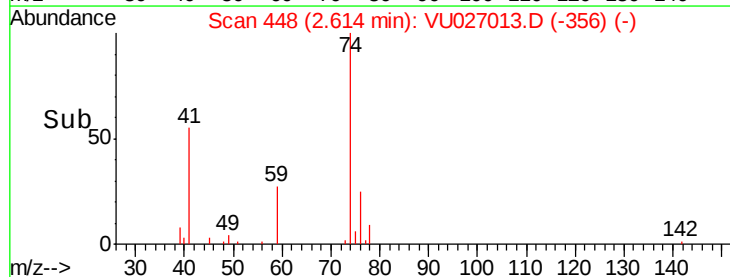
60000

40000

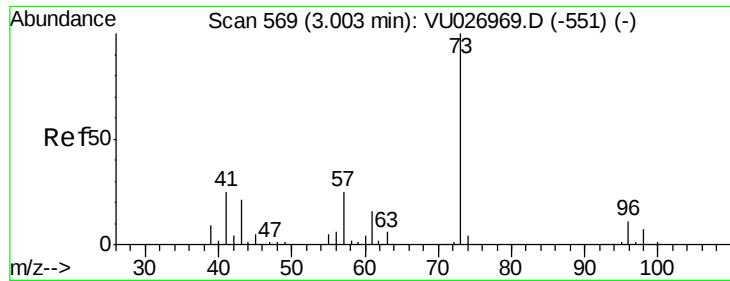
20000

0

Time-->



Time-->



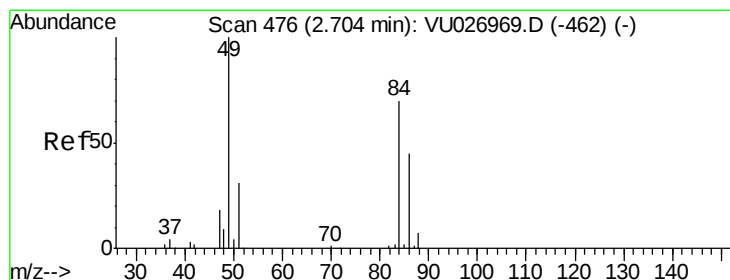
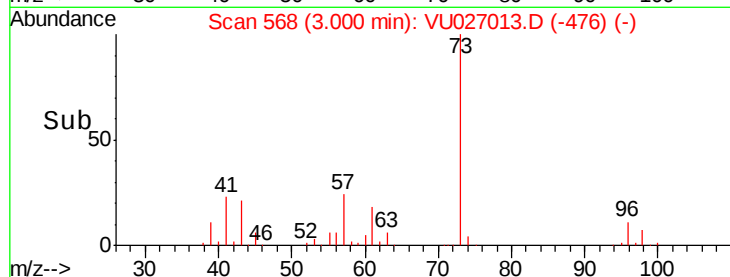
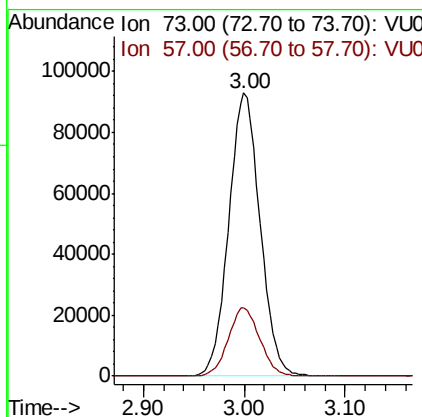
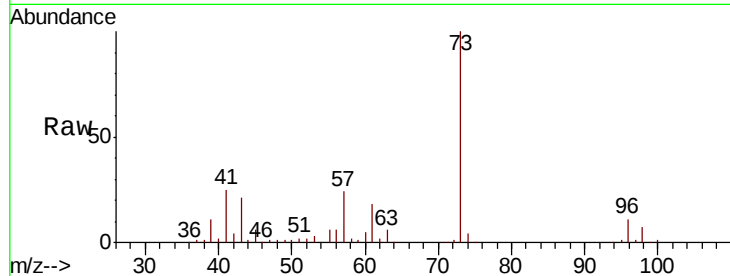
#19
Methvl tert-butvl Ether
Concen: 47.911 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU027013.D
Acq: 22 Sep 2018 14:04

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.3	19.8	29.6

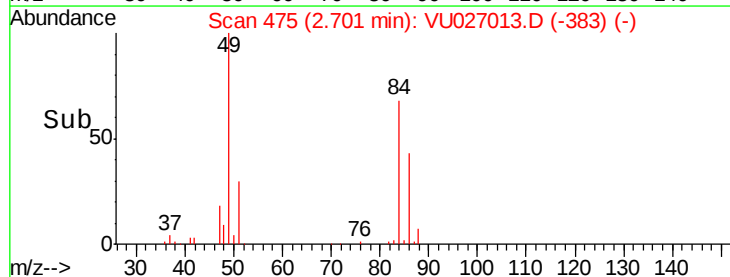
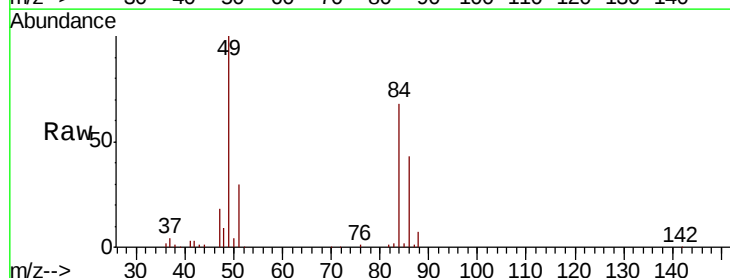
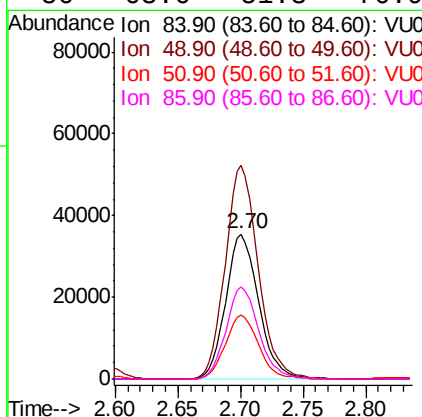
Manual Integrations
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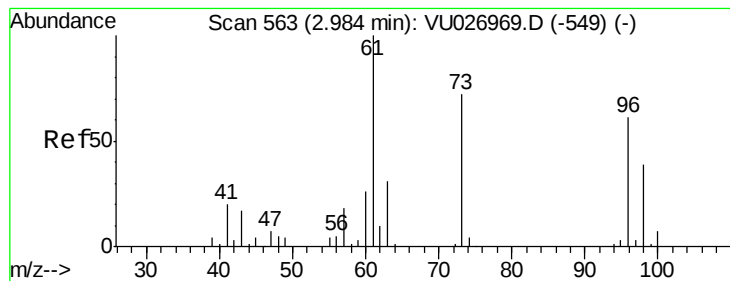
MMDadoda
9/24/2018 2:14:21 PM



#20
Methylene Chloride
Concen: 43.579 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU027013.D
Acq: 22 Sep 2018 14:04

Tgt Ion	Ratio	Lower	Upper
84	100		
49	147.1	114.9	172.3
51	43.8	35.8	53.8
86	63.6	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 45.529 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU027013.D

Acq: 22 Sep 2018 14:04

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 55244

Ion Ratio Lower Upper

96 100

61 164.5 131.8 197.6

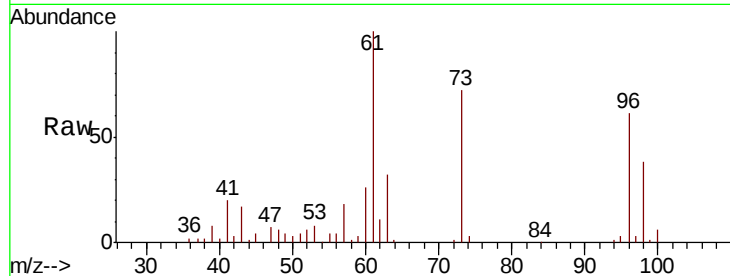
98 62.2 50.9 76.3

Manual Integrations

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MMDadoda

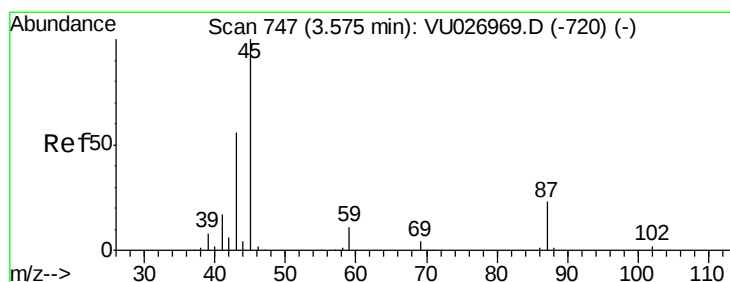
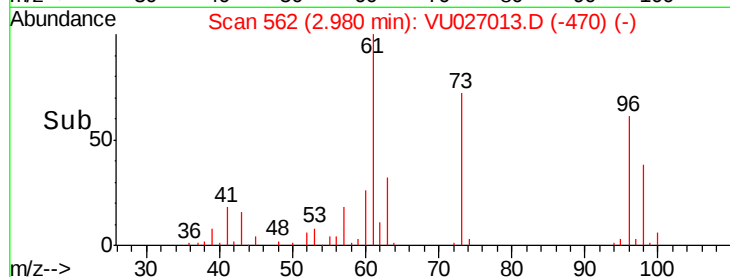
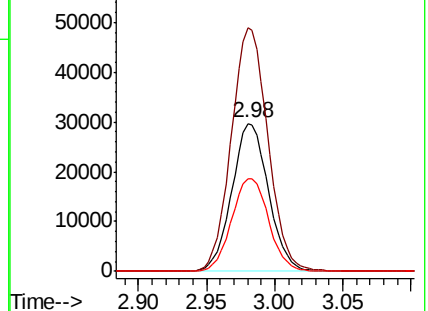
9/24/2018 2:14:21 PM



Abundance Ion 95.90 (95.60 to 96.60): VU026969.D (-549) (-)

Ion 60.90 (60.60 to 61.60): VU026969.D (-549) (-)

Ion 97.90 (97.60 to 98.60): VU026969.D (-549) (-)



#22

Diisopropyl ether

Concen: 50.370 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU027013.D

Acq: 22 Sep 2018 14:04

Tgt Ion: 45 Resp: 248339

Ion Ratio Lower Upper

45 100

43 56.1 45.8 68.6

87 22.0 18.6 28.0

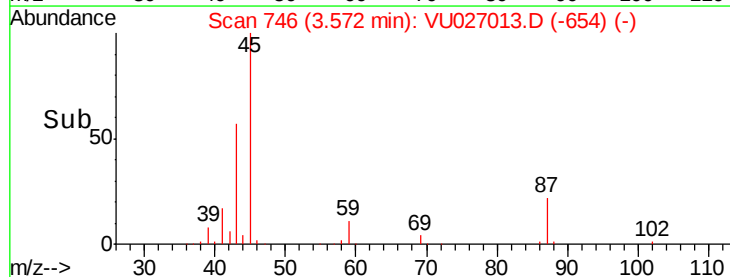
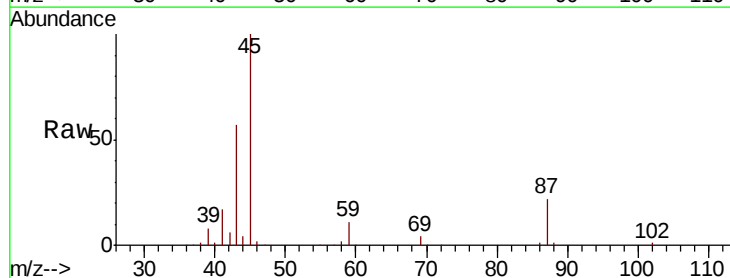
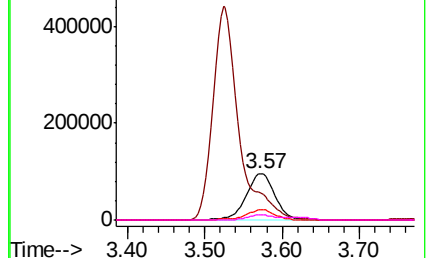
59 10.6 9.0 13.4

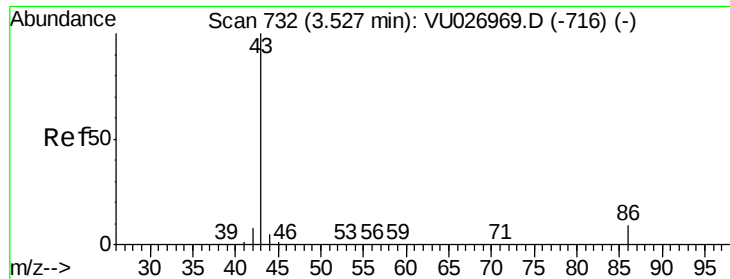
Abundance Ion 45.00 (44.70 to 45.70): VU026969.D (-720) (-)

Ion 43.00 (42.70 to 43.70): VU026969.D (-720) (-)

Ion 87.00 (86.70 to 87.70): VU026969.D (-720) (-)

Ion 59.00 (58.70 to 59.70): VU026969.D (-720) (-)





#23

Vinyl Acetate

Concen: 249.408 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU027013.D

Acq: 22 Sep 2018 14:04

Tot Ion: 43 Resp: 1048184

Ion Ratio Lower Upper

43 100

86 8.8 7.2 10.8

Instrument :

MSVOA_U

ClientSampleId :

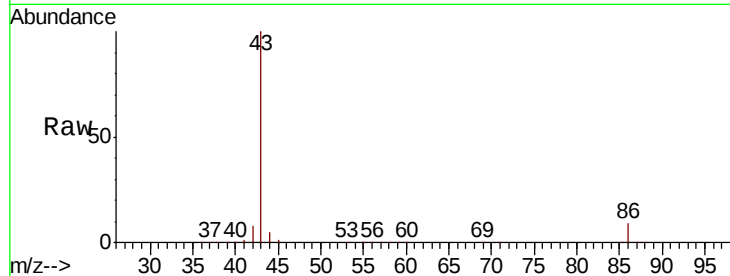
VSTDCCC050

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU027013.D (-639) (-)

Ion 86.00 (85.70 to 86.70): VU027013.D (-639) (-)

3.52

400000

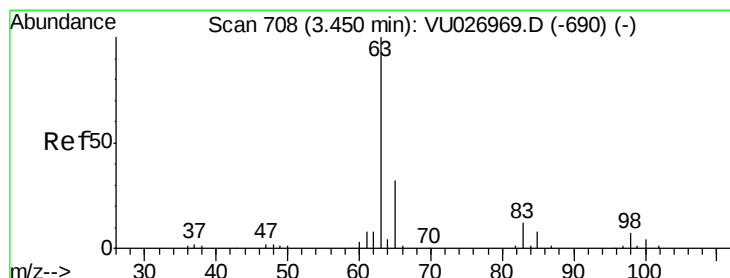
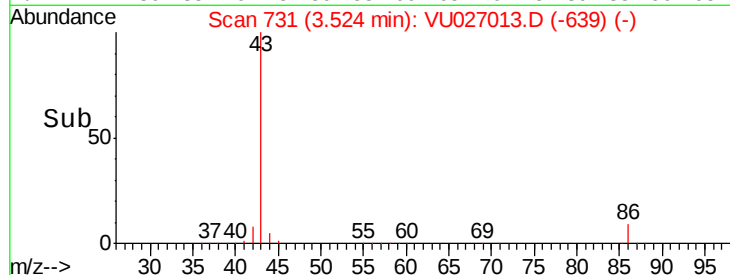
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 46.301 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027013.D

Acq: 22 Sep 2018 14:04

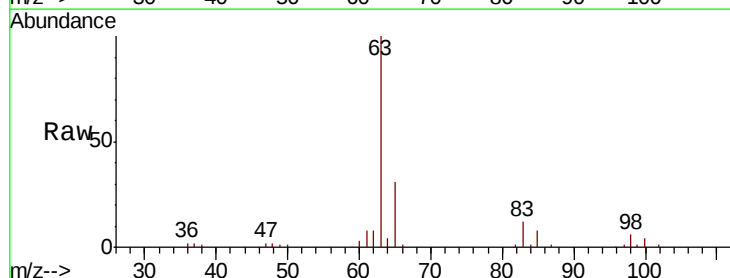
Tgt Ion: 63 Resp: 125726

Ion Ratio Lower Upper

63 100

98 6.2 3.3 9.8

100 4.0 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VU027013.D (-615) (-)

Ion 97.90 (97.60 to 98.60): VU027013.D (-615) (-)

Ion 99.90 (99.60 to 100.60): VU027013.D (-615) (-)

3.45

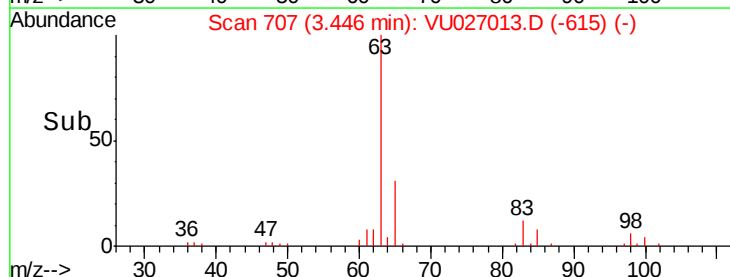
60000

40000

20000

0

Time-->





#25

2-Butanone

Concen: 239.002 ug/l

RT: 4.26 min Scan# 961

Delta R.T. -0.00 min

Lab File: VU027013.D

Acq: 22 Sep 2018 14:04

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 332639

Ion Ratio Lower Upper

43 100

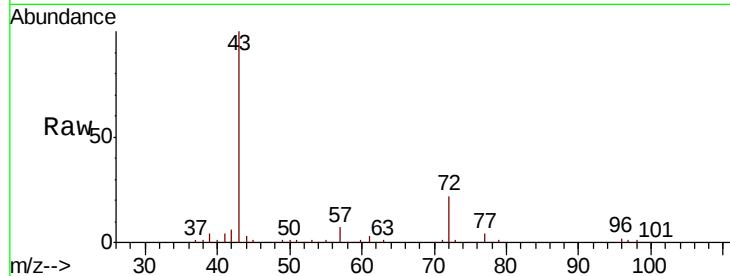
72 22.2 18.4 27.6

Manual Integrations

APPROVED

MMDadoda

9/24/2018 2:14:21 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

4.26

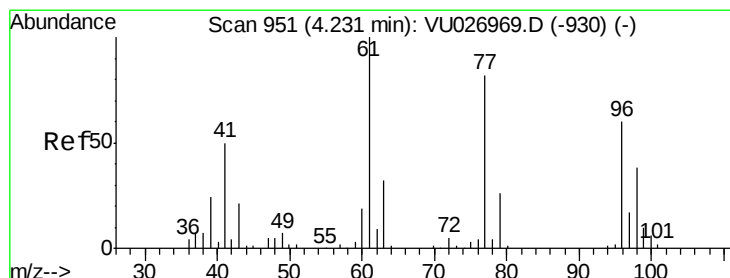
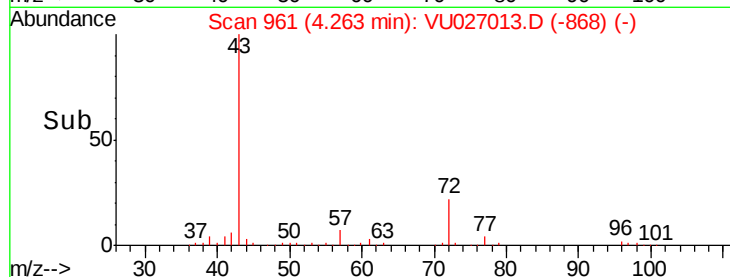
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 46.082 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027013.D

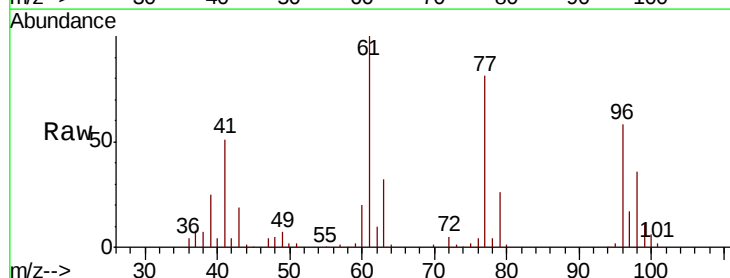
Acq: 22 Sep 2018 14:04

Tgt Ion: 77 Resp: 97588

Ion Ratio Lower Upper

77 100

97 21.6 10.5 31.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

4.23

40000

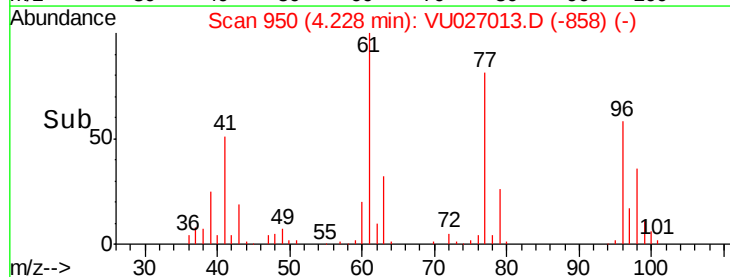
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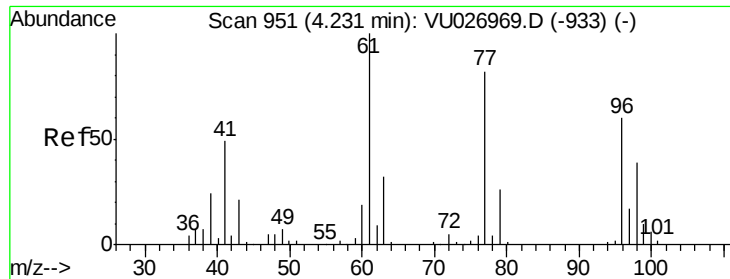
20000

10000

0

Time-->





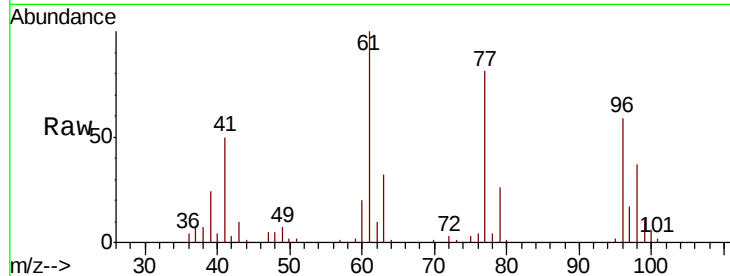
#27
 cis-1,2-Dichloroethene
 Concen: 45.915 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. -0.01 min
 Lab File: VU027013.D
 Acq: 22 Sep 2018 14:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	174.8	0.0	337.2
98	63.2	0.0	127.6

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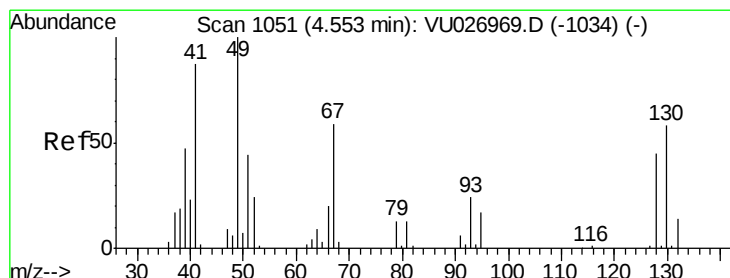
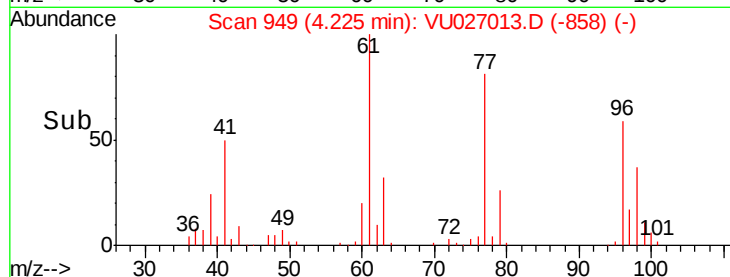
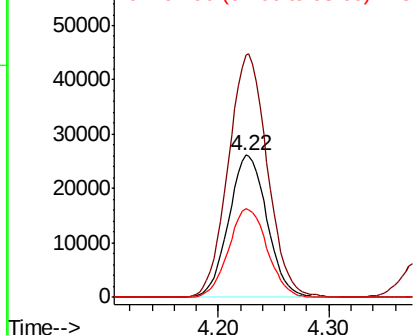


Abundance

Ion 95.90 (95.60 to 96.60): VU0

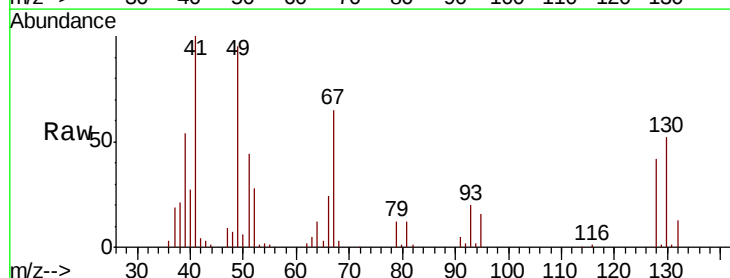
Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#28
 Bromochloromethane
 Concen: 40.878 ug/l
 RT: 4.55 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VU027013.D
 Acq: 22 Sep 2018 14:04

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.0
130	56.6	47.8	71.8

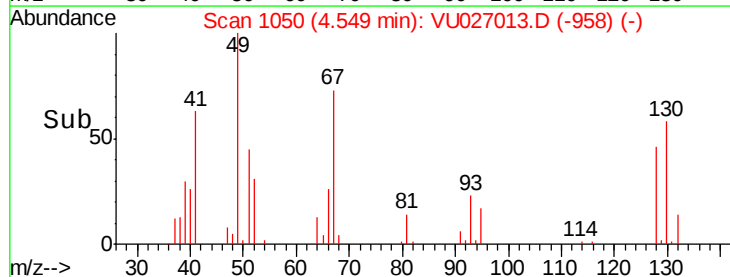
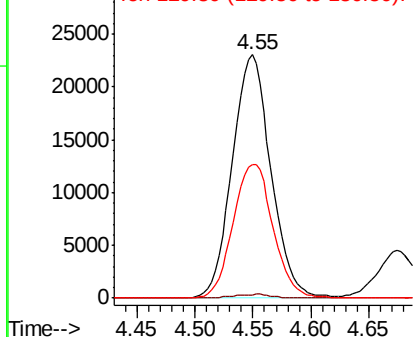


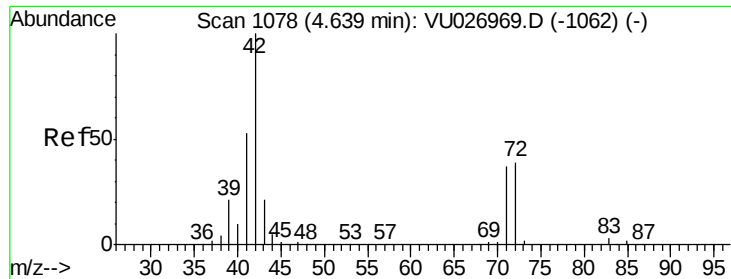
Abundance

Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





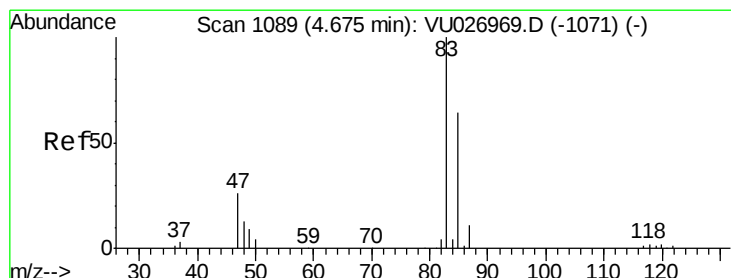
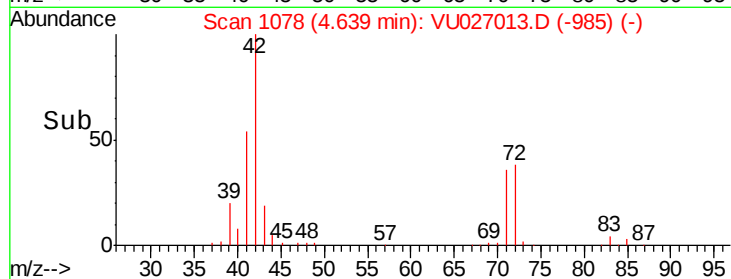
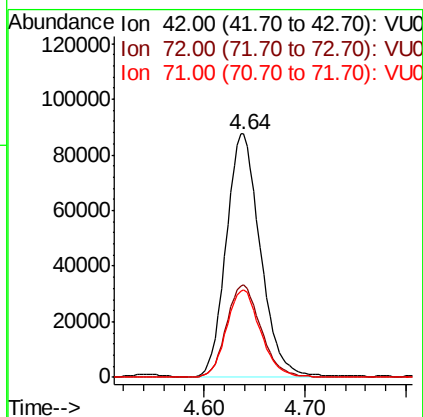
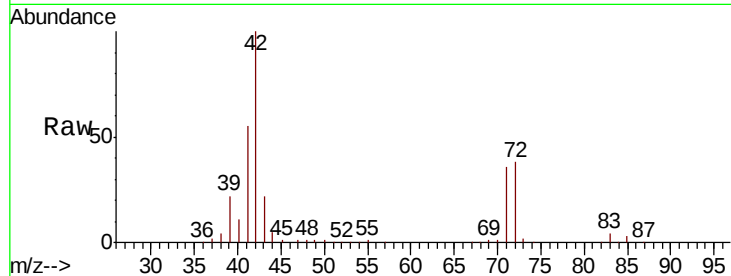
#29
Tetrahydrofuran
Concen: 243.960 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VU027013.D
Acq: 22 Sep 2018 14:04

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.8	31.7	47.5
71	36.1	29.6	44.4

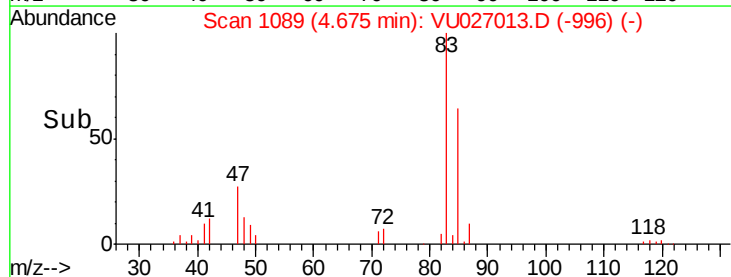
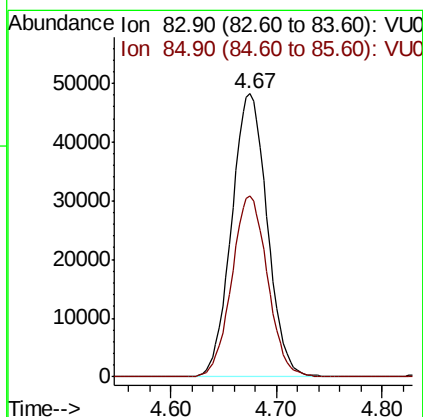
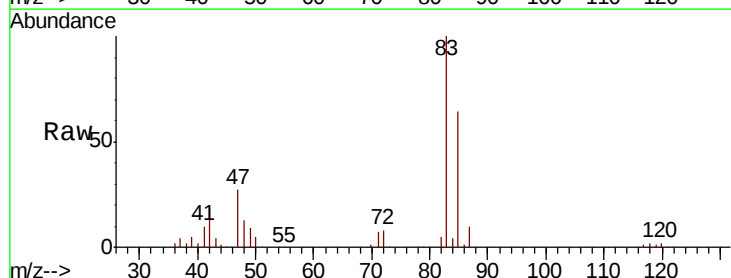
Manual Integrations
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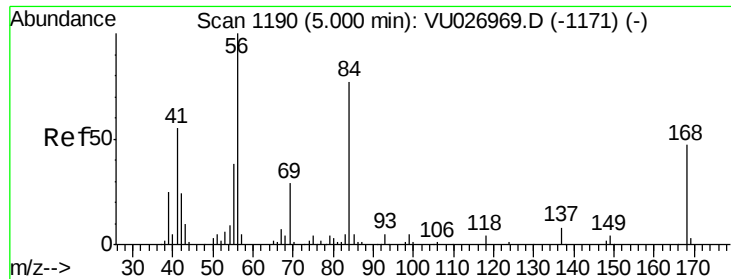
MMDadoda
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#30
Chloroform
Concen: 44.804 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU027013.D
Acq: 22 Sep 2018 14:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.5	77.3





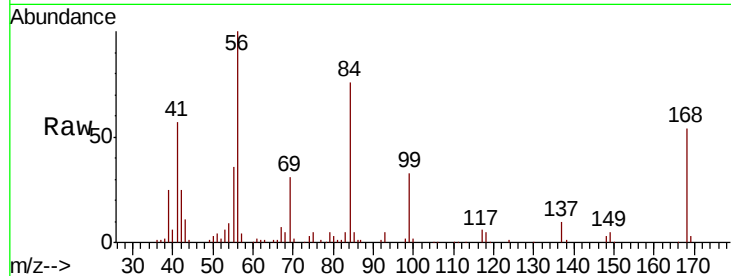
#31
Cyclohexane
Concen: 46.548 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU027013.D
Acq: 22 Sep 2018 14:04

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.2	23.0	34.4
84	75.2	61.4	92.2

Manual Integrations
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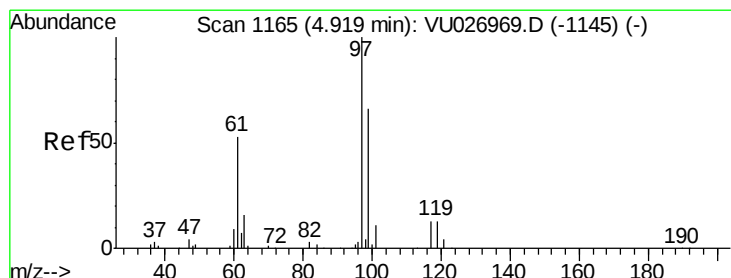
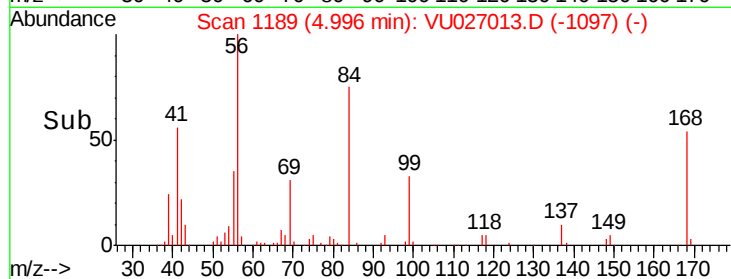
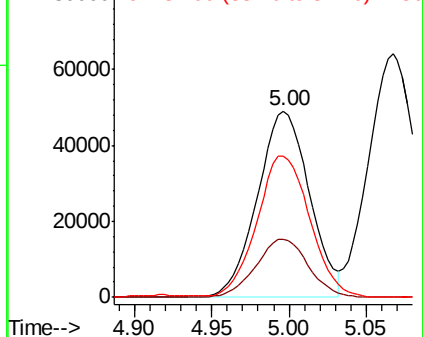


Abundance

Ion 56.00 (55.70 to 56.70): VU026969.D (-1171) (-)

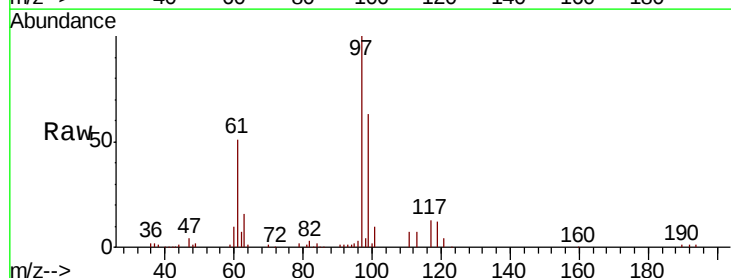
Ion 69.00 (68.70 to 69.70): VU026969.D (-1171) (-)

Ion 84.00 (83.70 to 84.70): VU026969.D (-1171) (-)



#32
1,1,1-Trichloroethane
Concen: 45.754 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU027013.D
Acq: 22 Sep 2018 14:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.8	77.6
61	50.7	41.1	61.7

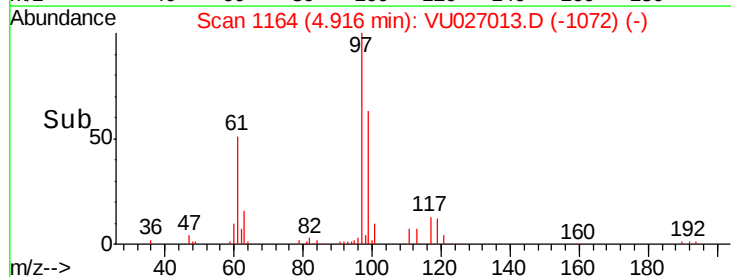
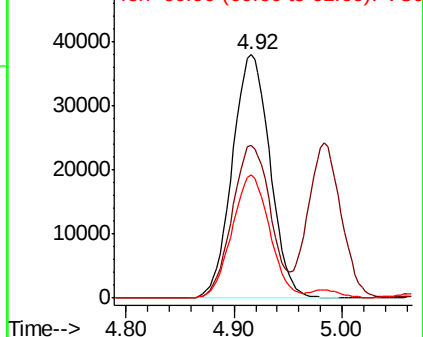


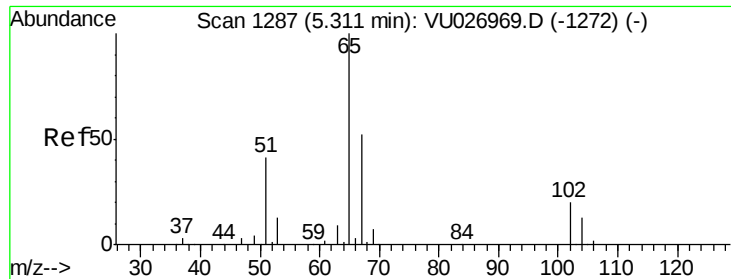
Abundance

Ion 96.90 (96.60 to 97.60): VU026969.D (-1145) (-)

Ion 98.90 (98.60 to 99.60): VU026969.D (-1145) (-)

Ion 60.90 (60.60 to 61.60): VU026969.D (-1145) (-)





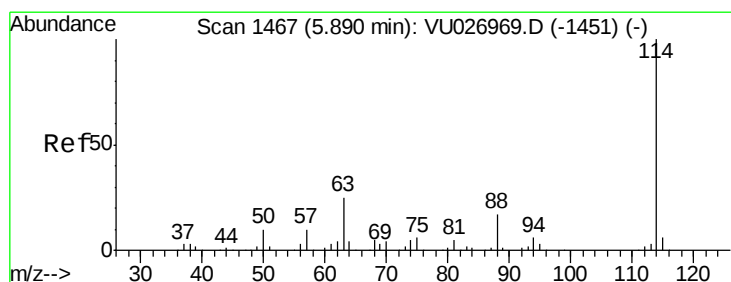
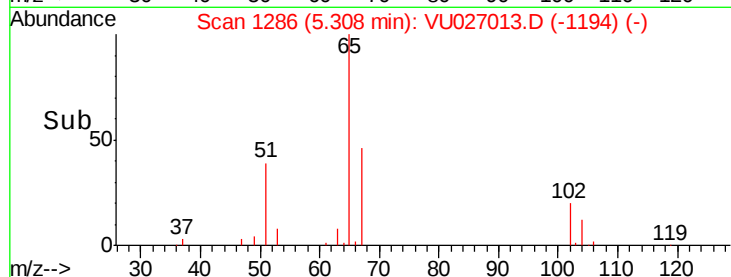
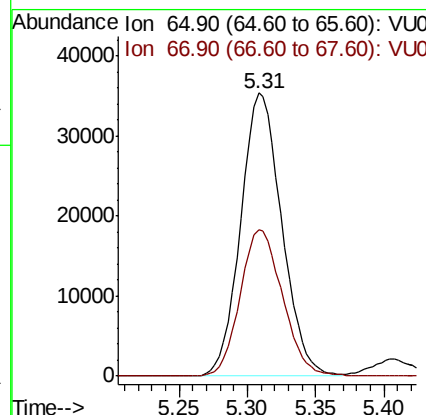
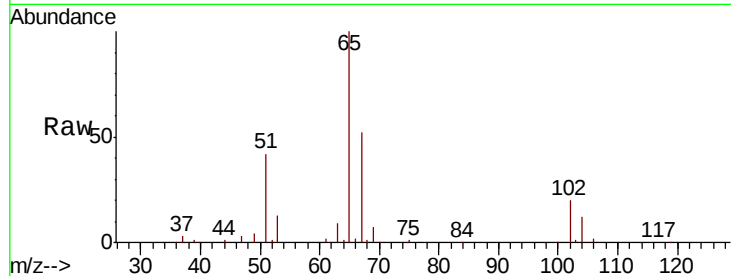
#33
 1,2-Dichloroethane-d4
 Concen: 44.630 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU027013.D
 Acq: 22 Sep 2018 14:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	105.6

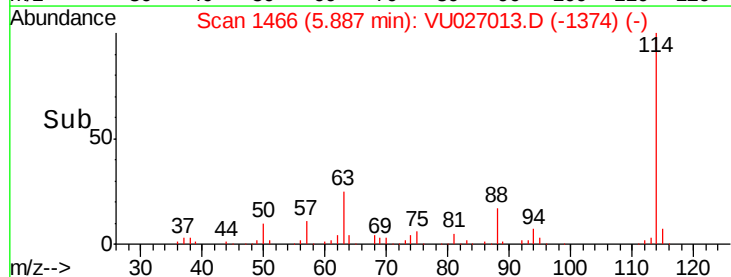
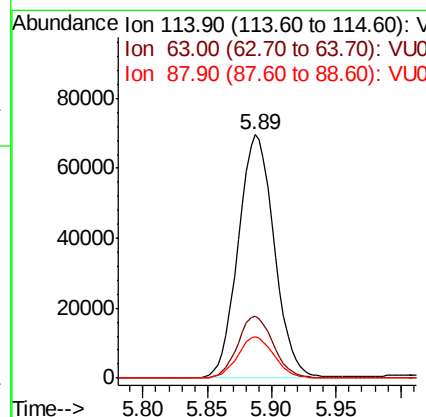
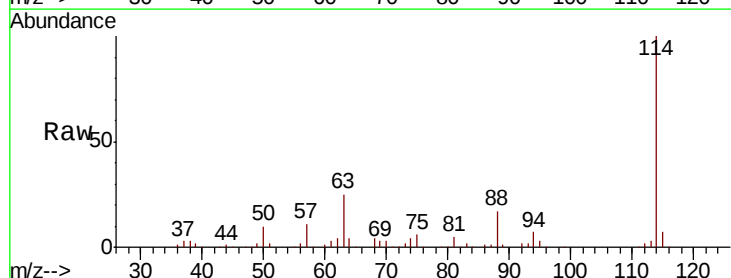
Manual Integrations
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027013.D
 Acq: 22 Sep 2018 14:04

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.4	0.0	49.2
88	17.1	0.0	33.8





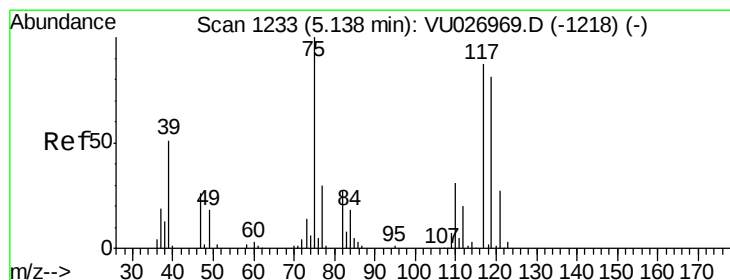
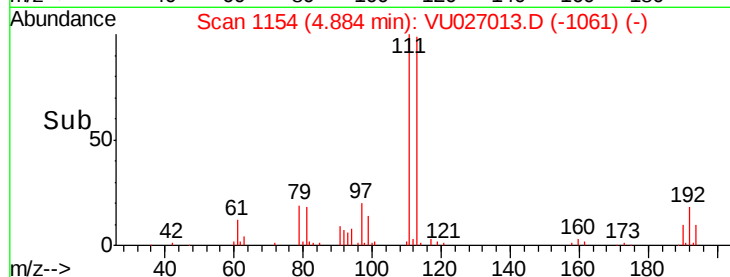
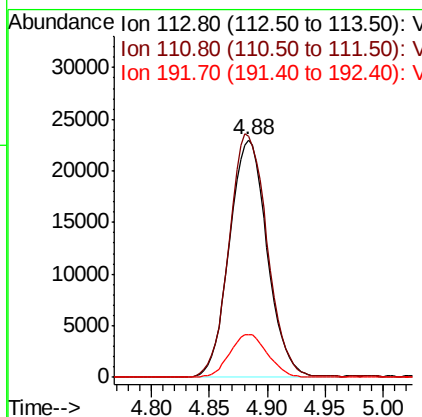
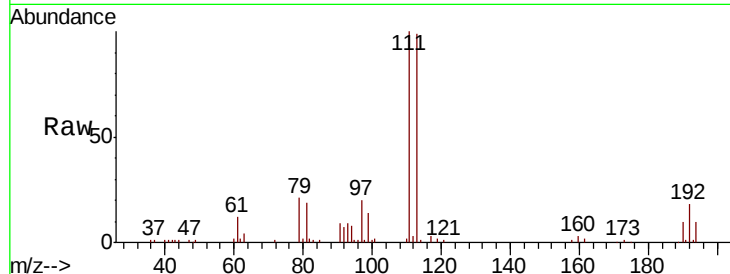
#35
 Dibromofluoromethane
 Concen: 44.134 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VU027013.D
 Acq: 22 Sep 2018 14:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.4	82.2	123.4	
192	18.2	15.2	22.8	

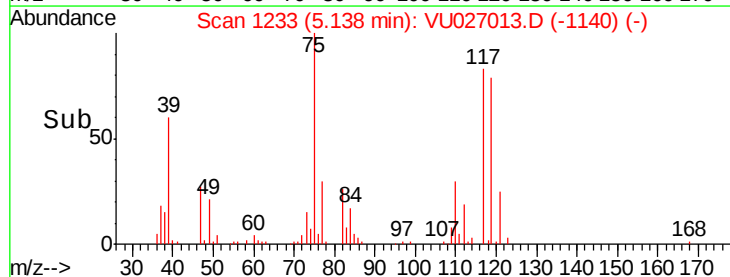
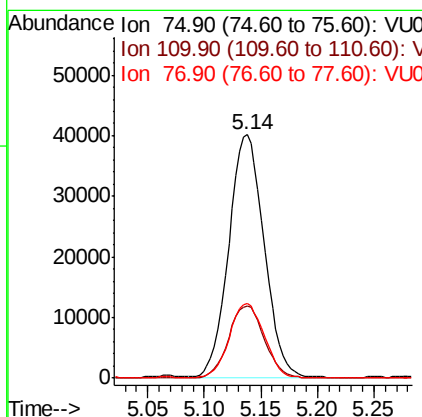
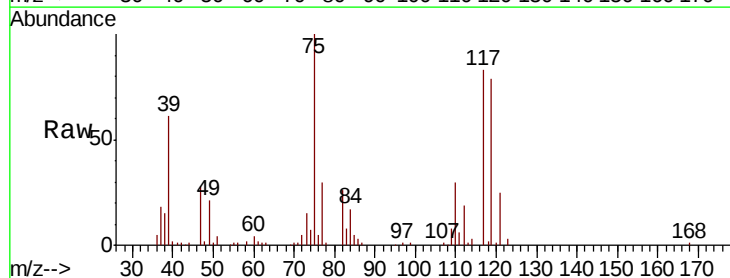
Manual Integrations
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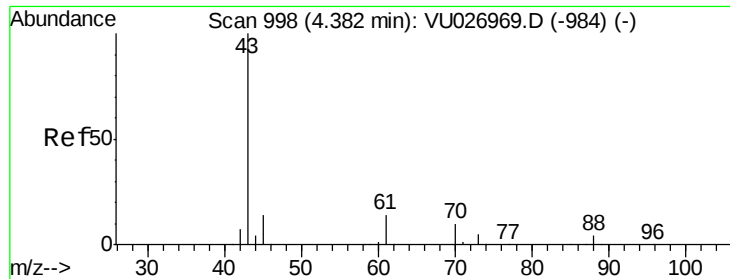
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#36
 1,1-Dichloropropene
 Concen: 48.448 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: VU027013.D
 Acq: 22 Sep 2018 14:04

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	29.9	16.1	48.2	
77	30.3	24.6	36.8	





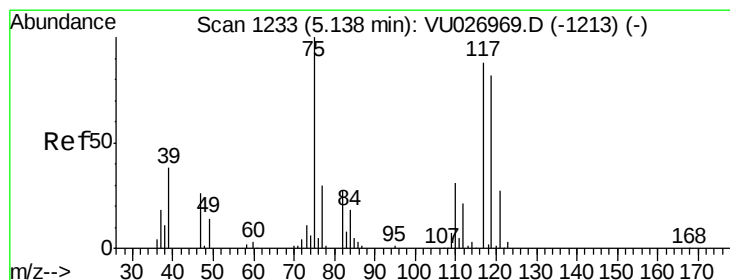
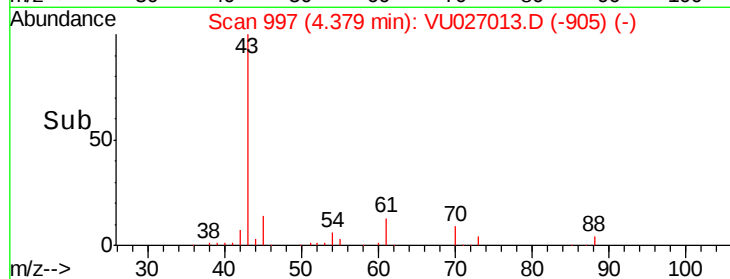
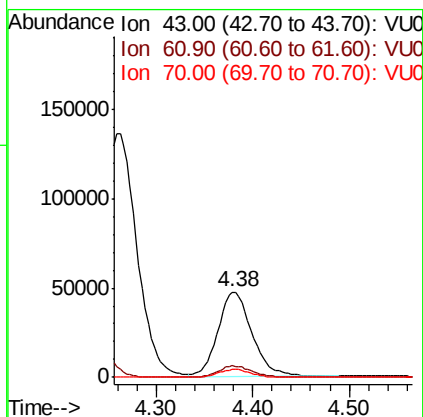
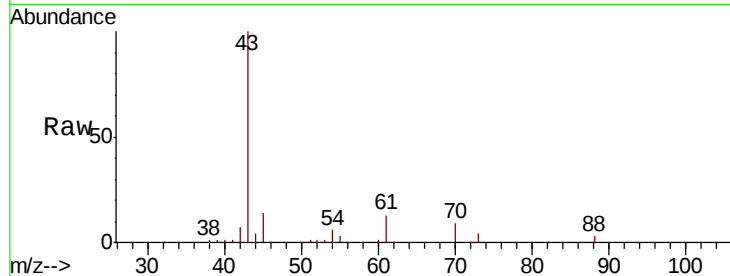
#37
Ethyl Acetate
Concen: 46.535 ug/l
RT: 4.38 min Scan# 997
Delta R.T. -0.00 min
Lab File: VU027013.D
Acq: 22 Sep 2018 14:04

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.5	15.7
70	9.2	7.4	11.0

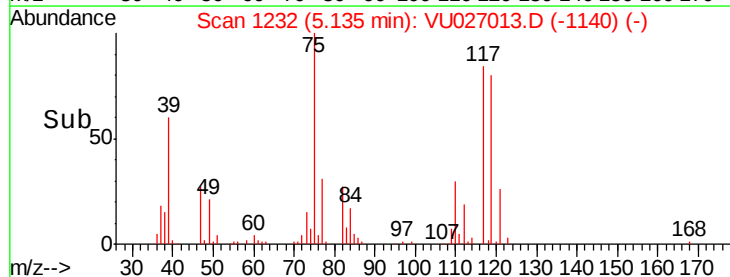
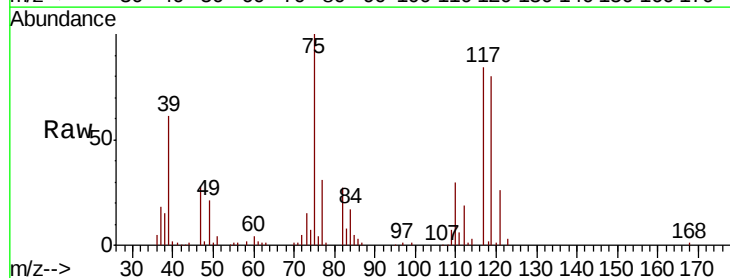
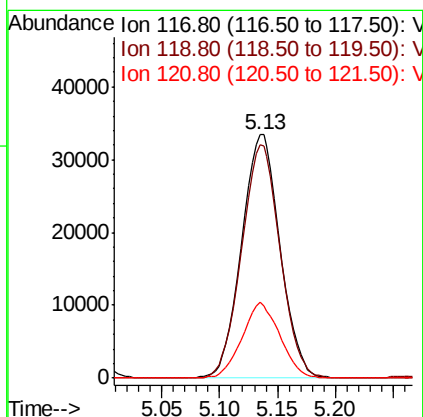
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#38
Carbon Tetrachloride
Concen: 44.723 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU027013.D
Acq: 22 Sep 2018 14:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	74.4	111.6
121	31.0	24.2	36.4





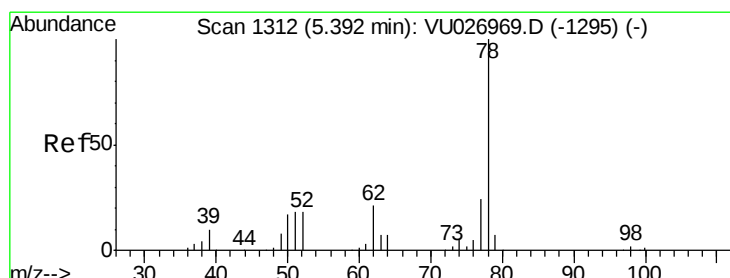
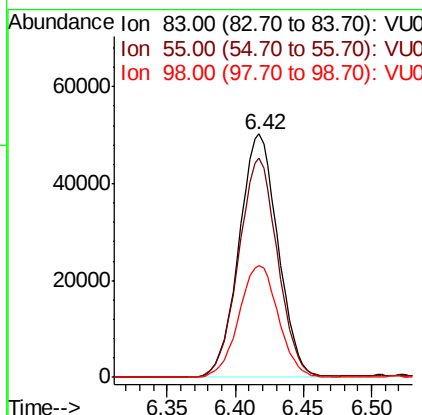
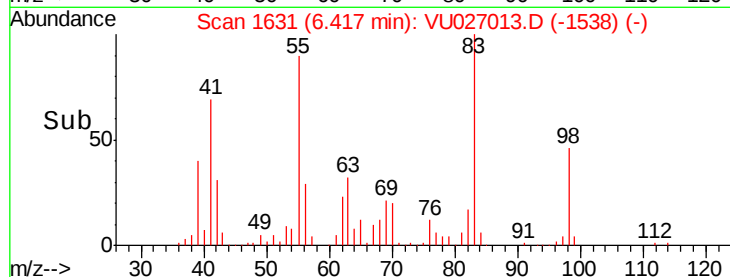
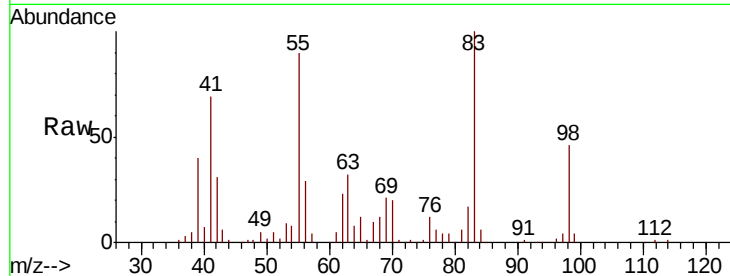
#39
Methylvlcvclohexane
Concen: 50.632 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VU027013.D
Acq: 22 Sep 2018 14:04

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	99751
Ion Ratio	Lower	Upper	
83	100		
55	90.2	69.9	104.9
98	46.0	37.5	56.3

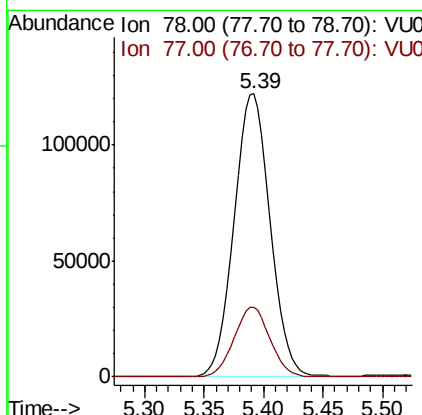
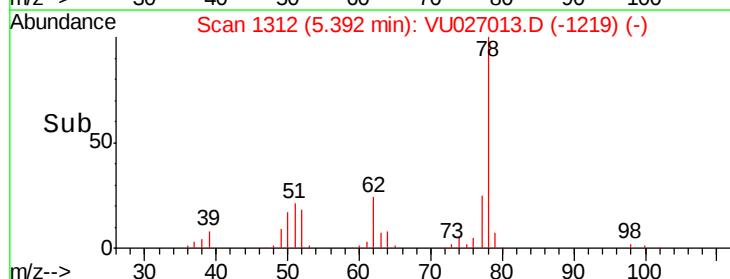
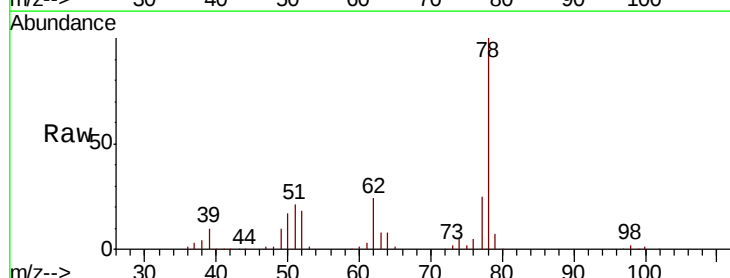
Manual Integrations
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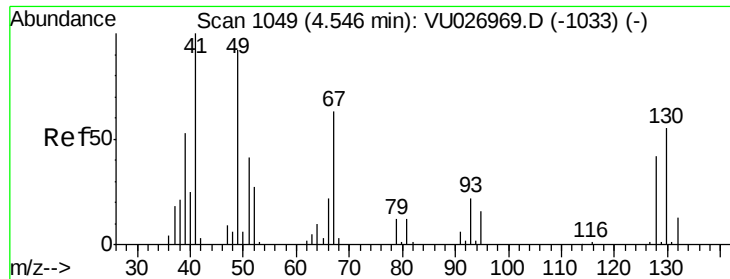
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#40
Benzene
Concen: 46.577 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU027013.D
Acq: 22 Sep 2018 14:04

Tgt Ion	78	Resp	256694
Ion Ratio	Lower	Upper	
78	100		
77	24.8	19.4	29.0





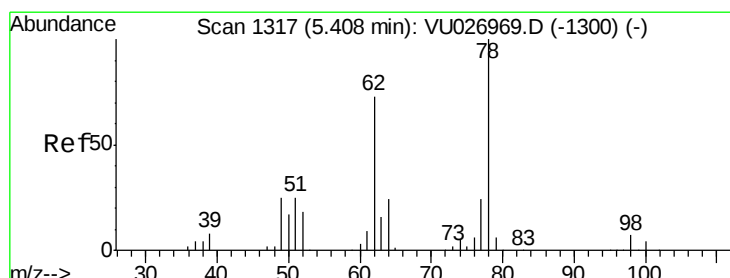
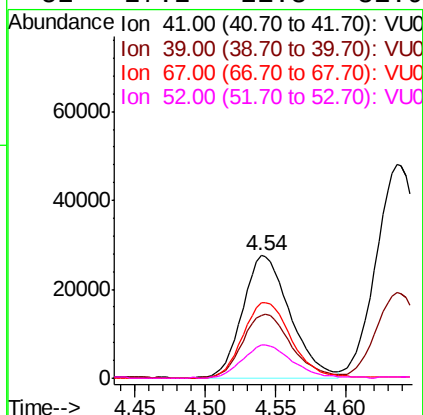
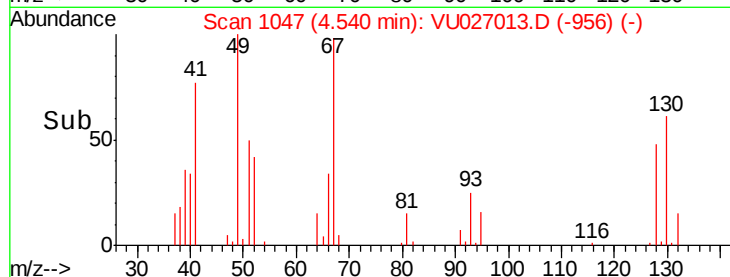
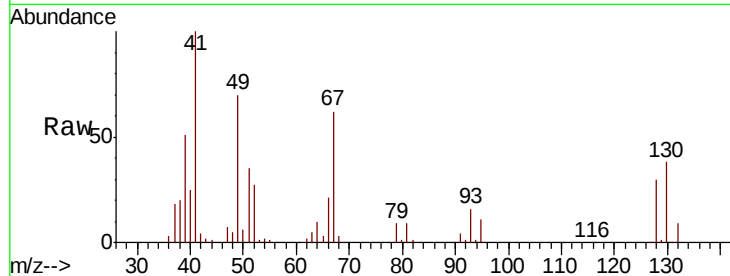
#41
Methacrylonitrile
Concen: 51.357 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. -0.01 min
Lab File: VU027013.D
Acq: 22 Sep 2018 14:04

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.5	42.9	64.3	
67	62.8	52.4	78.6	
52	27.2	21.3	31.9	

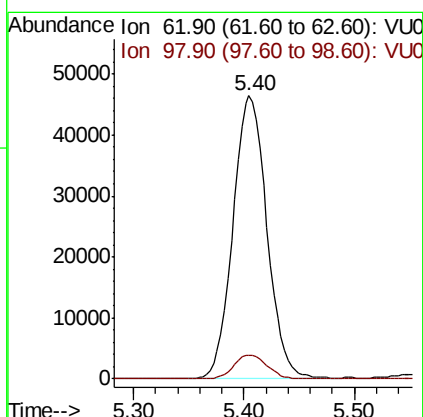
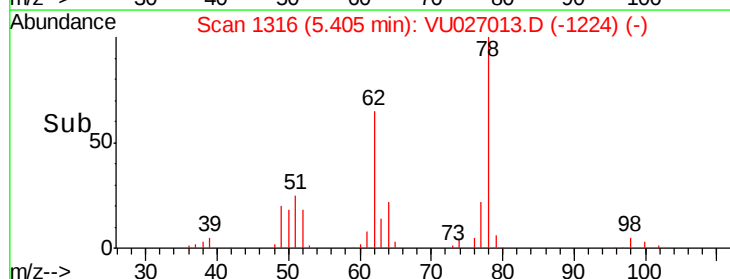
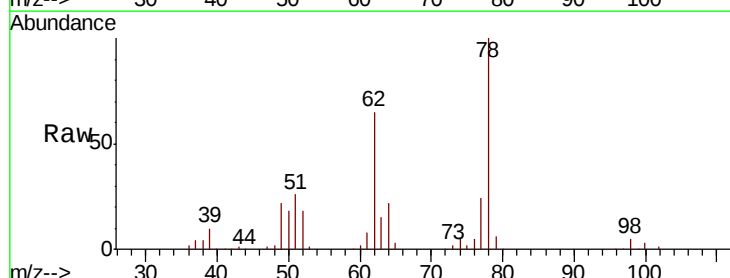
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#42
1,2-Dichloroethane
Concen: 47.558 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU027013.D
Acq: 22 Sep 2018 14:04

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.2	0.0	17.0	





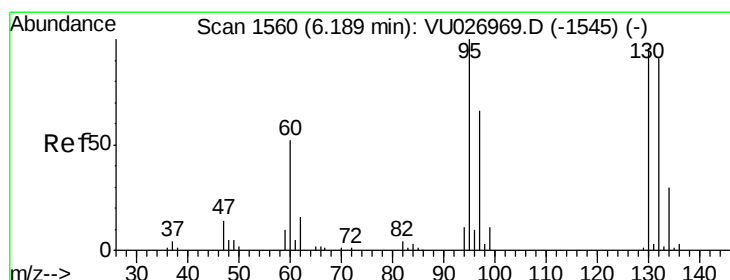
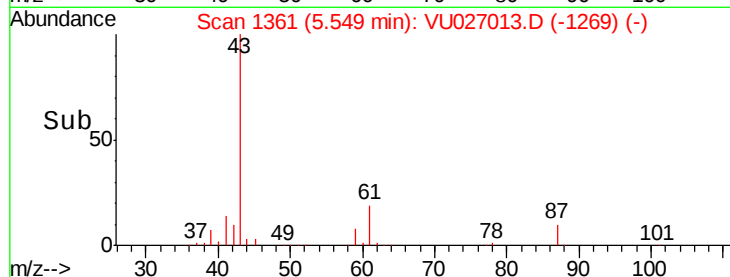
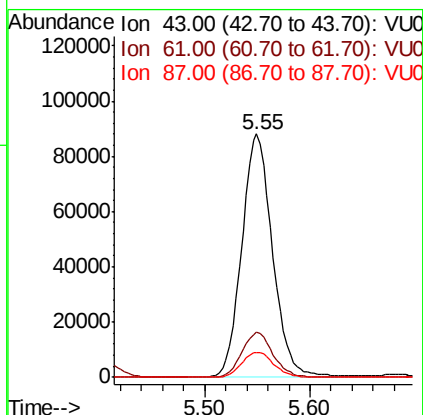
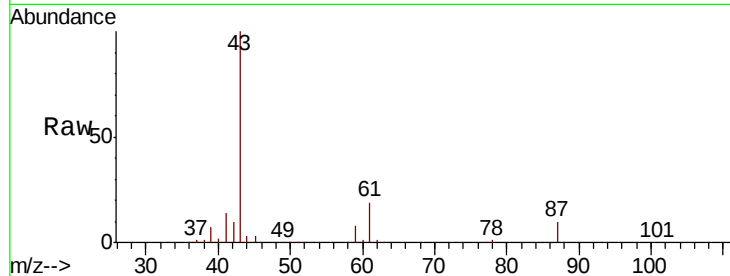
#43
Isopropyl Acetate
Concen: 49.830 ug/l
RT: 5.55 min Scan# 1361
Delta R.T. -0.00 min
Lab File: VU027013.D
Acq: 22 Sep 2018 14:04

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.7	23.5
87	10.8	9.0	13.4

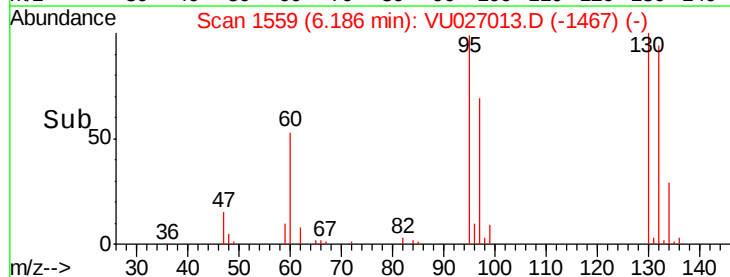
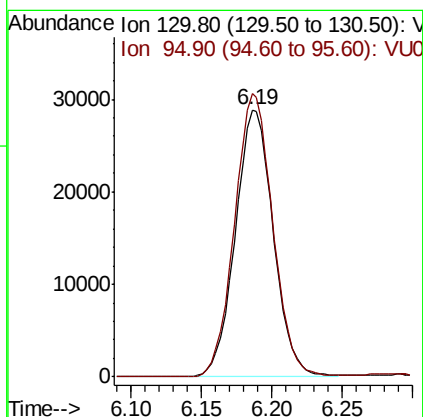
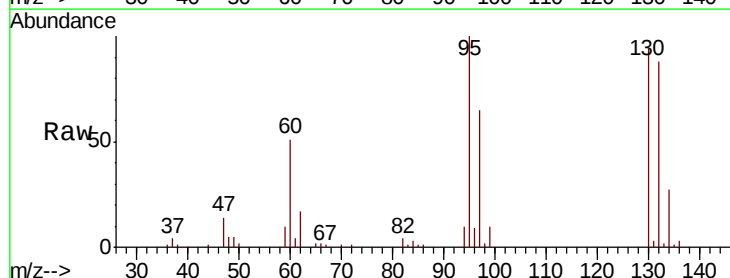
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#44
Trichloroethene
Concen: 46.511 ug/l
RT: 6.19 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VU027013.D
Acq: 22 Sep 2018 14:04

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.1	0.0	208.8





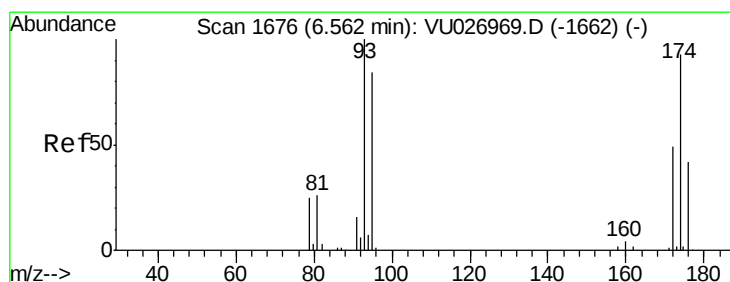
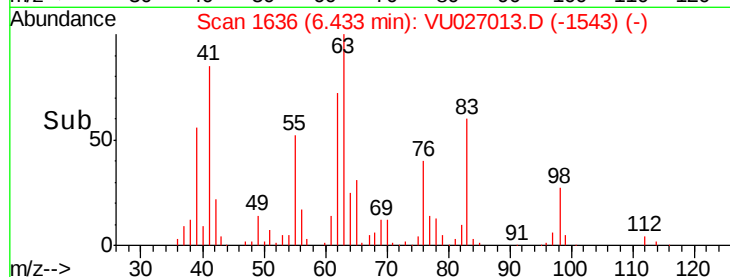
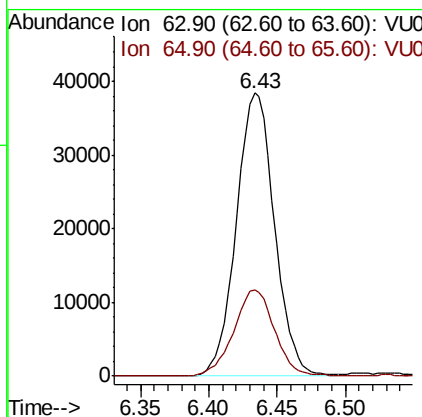
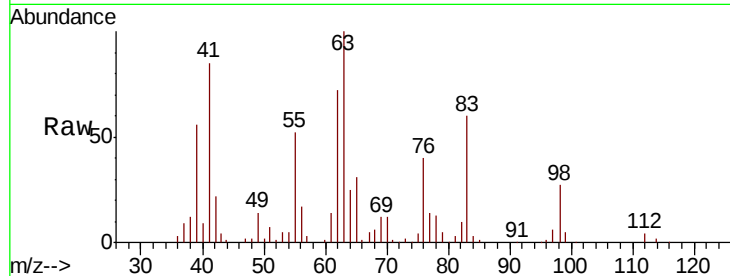
#45
 1,2-Dichloropropane
 Concen: 47.568 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. -0.00 min
 Lab File: VU027013.D
 Acq: 22 Sep 2018 14:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 74698
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.3 36.5

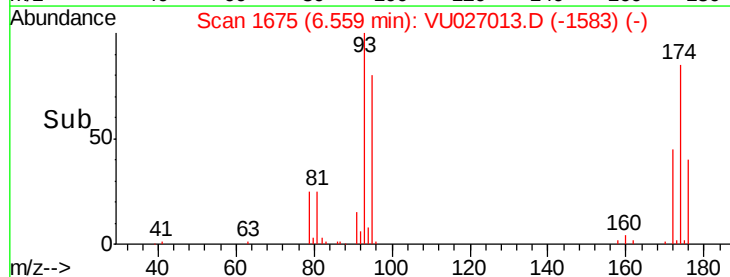
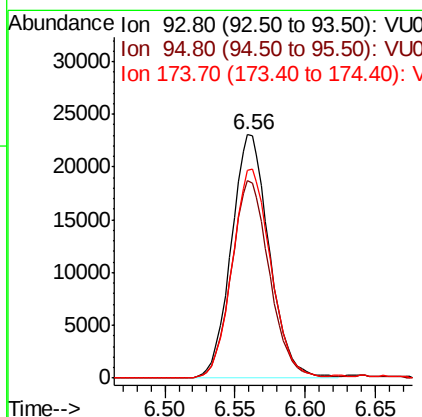
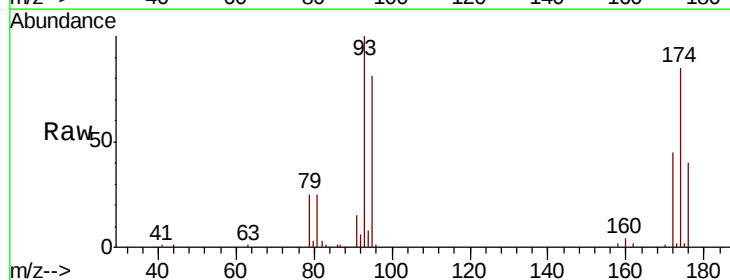
Manual Integrations
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#46
 Dibromomethane
 Concen: 45.795 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: VU027013.D
 Acq: 22 Sep 2018 14:04

Tgt Ion: 93 Resp: 43432
 Ion Ratio Lower Upper
 93 100
 95 81.1 66.2 99.4
 174 86.9 71.7 107.5





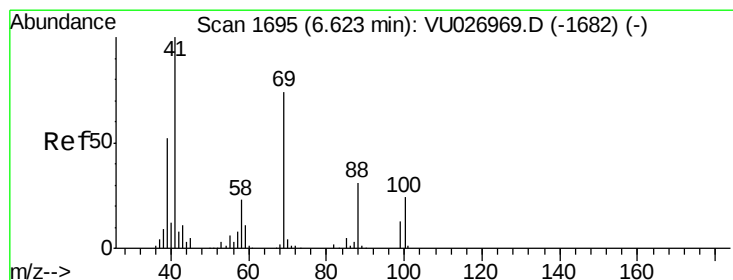
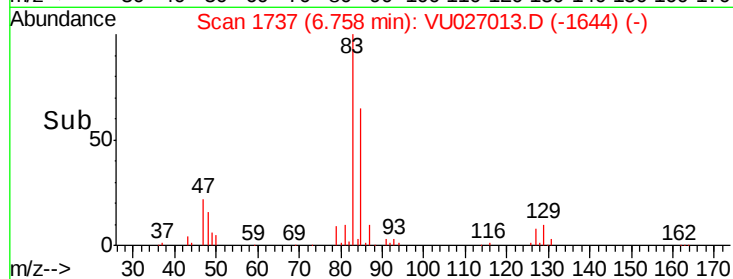
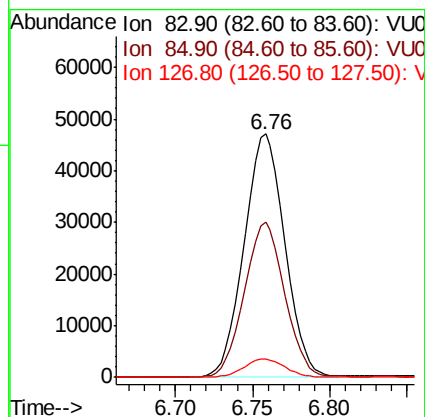
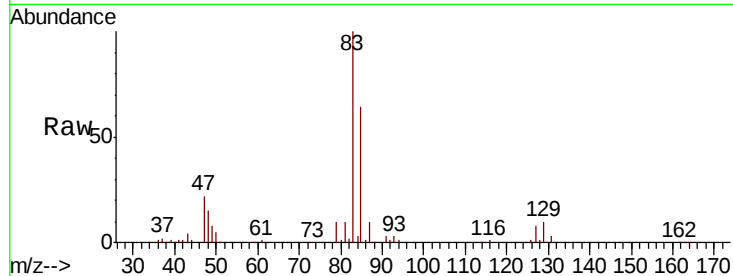
#47
Bromodichloromethane
Concen: 45.071 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VU027013.D
Acq: 22 Sep 2018 14:04

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	86434
Ion Ratio	100	Lower	Upper
83	100		
85	64.0	52.5	78.7
127	7.6	6.3	9.5

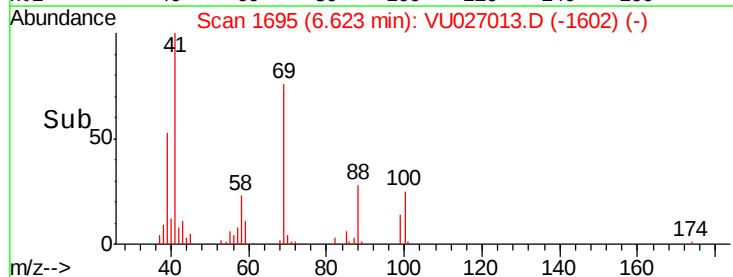
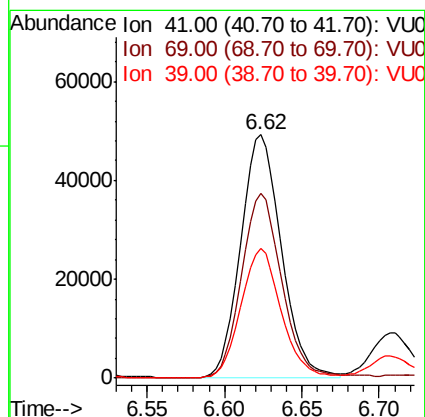
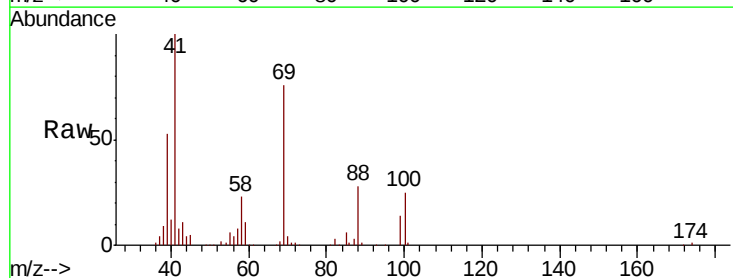
Manual Integrations
APPROVED

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#48
Methyl methacrylate
Concen: 46.195 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU027013.D
Acq: 22 Sep 2018 14:04

Tgt Ion	41	Resp	89837
Ion Ratio	100	Lower	Upper
41	100		
69	75.5	60.6	90.8
39	53.0	42.8	64.2





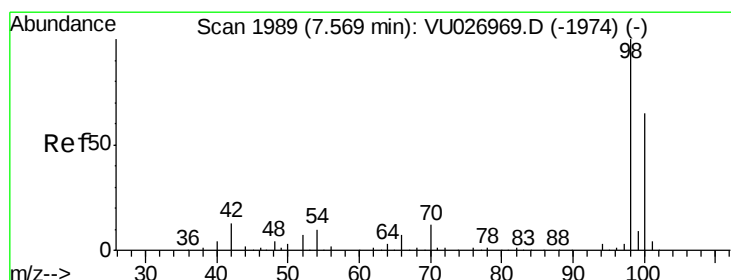
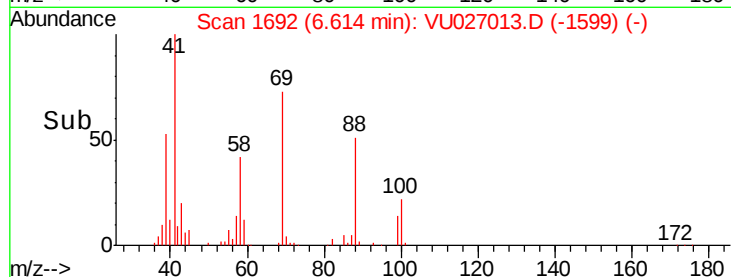
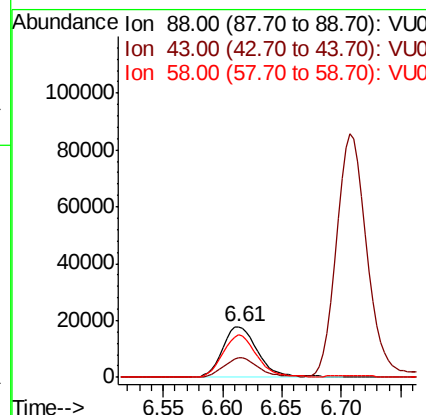
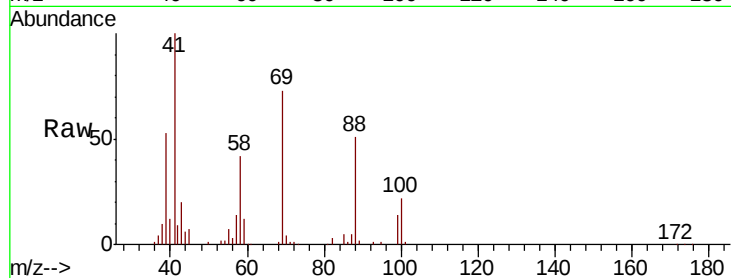
#49
1,4-Dioxane
Concen: 951.509 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VU027013.D
Acq: 22 Sep 2018 14:04

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.4	29.8	44.8
58	80.8	63.9	95.9

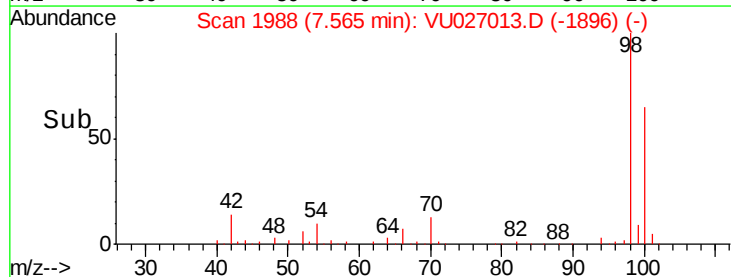
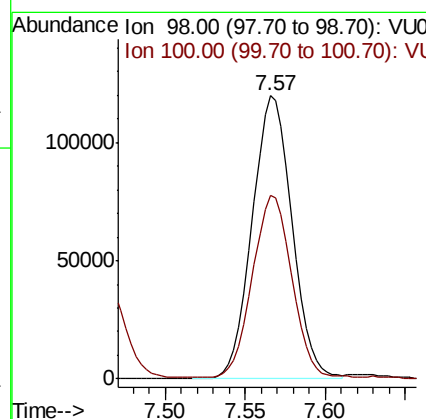
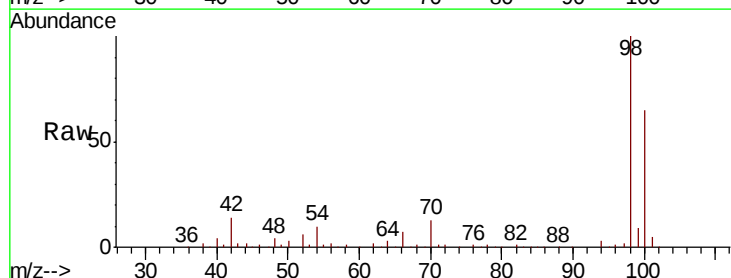
Manual Integrations
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#50
Toluene-d8
Concen: 45.692 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027013.D
Acq: 22 Sep 2018 14:04

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.0	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 251.493 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VU027013.D

Acq: 22 Sep 2018 14:04

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 605393

Ion Ratio Lower Upper

43 100

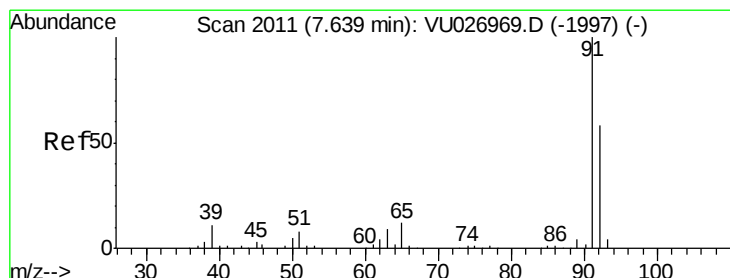
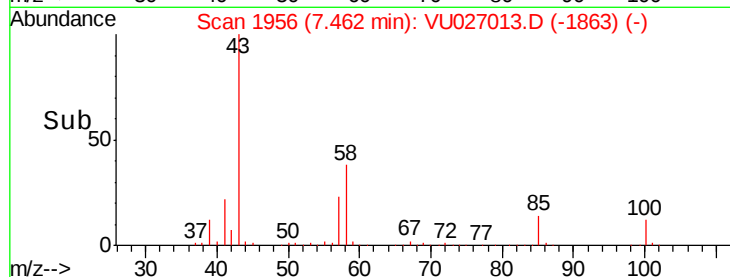
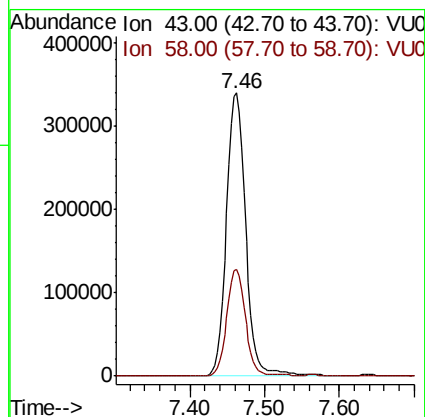
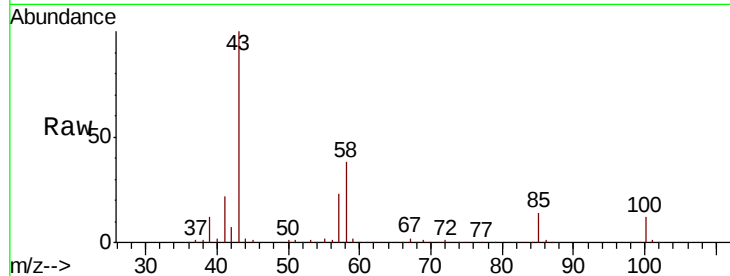
58 36.9 29.8 44.6

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9/24/2018 2:14:21 PM



#52

Toluene

Concen: 47.779 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. -0.00 min

Lab File: VU027013.D

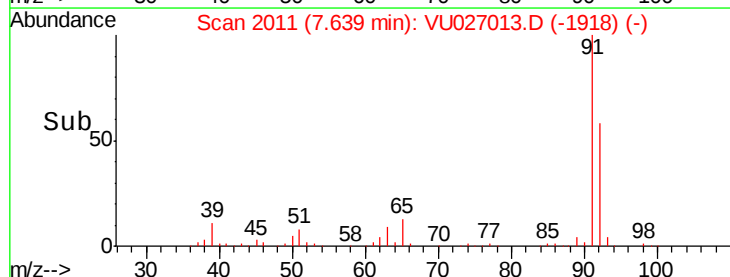
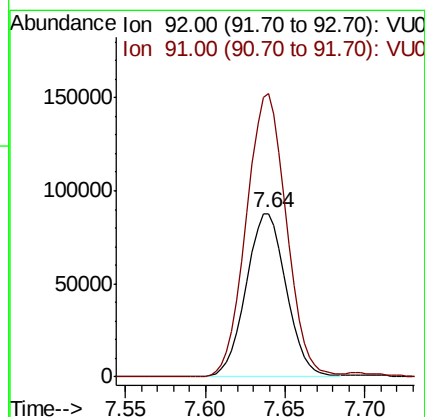
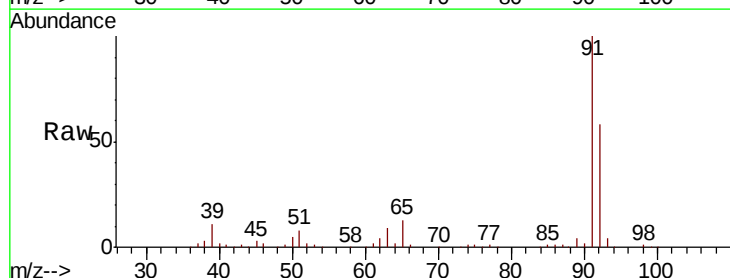
Acq: 22 Sep 2018 14:04

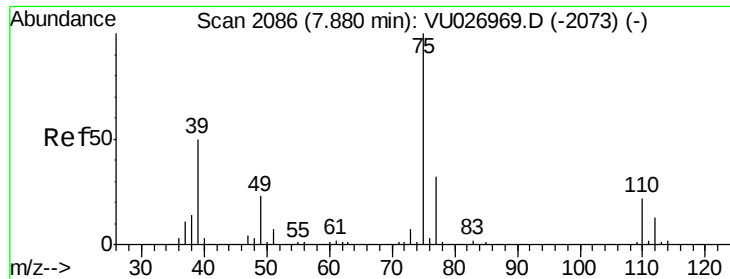
Tgt Ion: 92 Resp: 150937

Ion Ratio Lower Upper

92 100

91 172.6 136.4 204.6





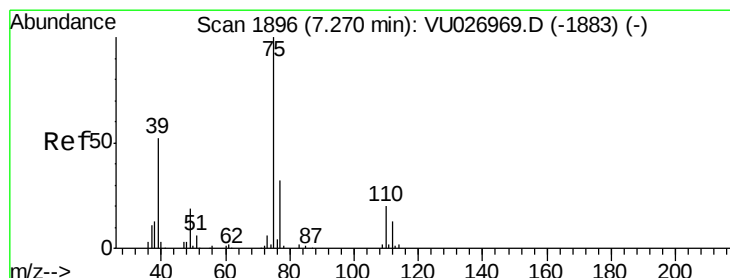
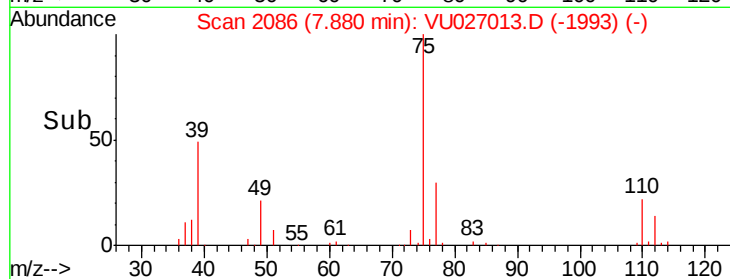
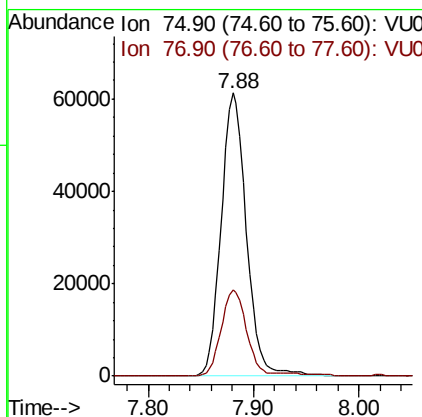
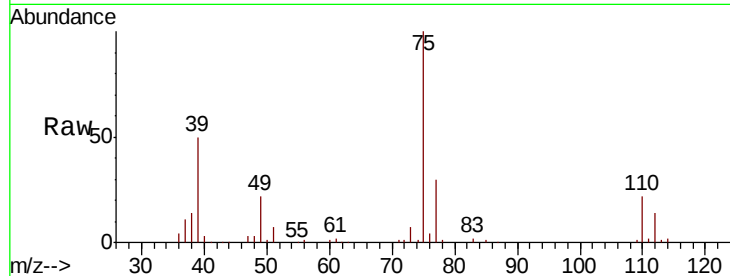
#53
t-1,3-Dichloropropene
Concen: 49.421 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. -0.00 min
Lab File: VU027013.D
Acq: 22 Sep 2018 14:04

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.3	25.3	37.9

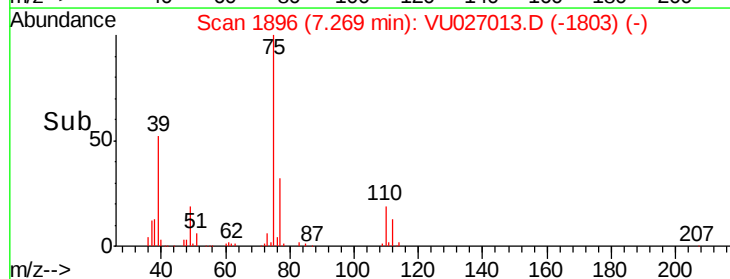
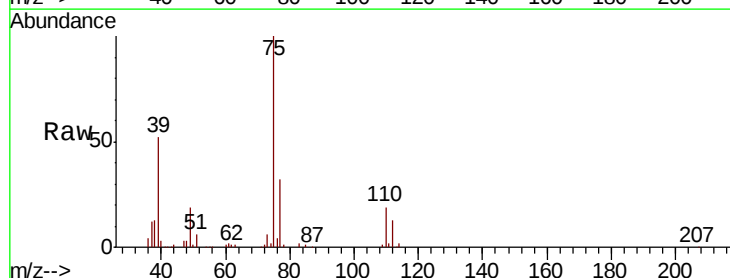
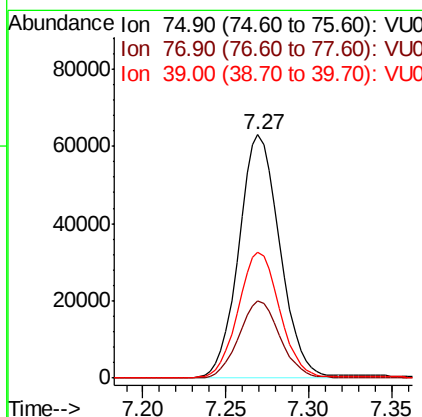
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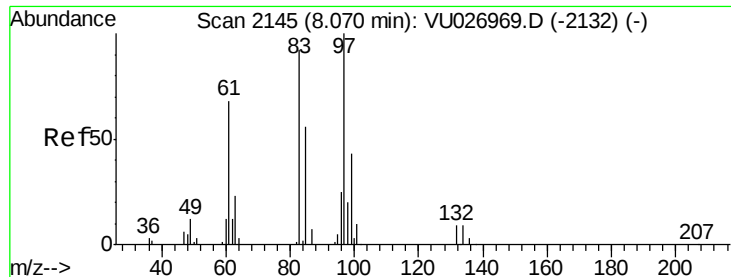
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#54
cis-1,3-Dichloropropene
Concen: 47.933 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. -0.00 min
Lab File: VU027013.D
Acq: 22 Sep 2018 14:04

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.4	38.0
39	51.7	41.6	62.4





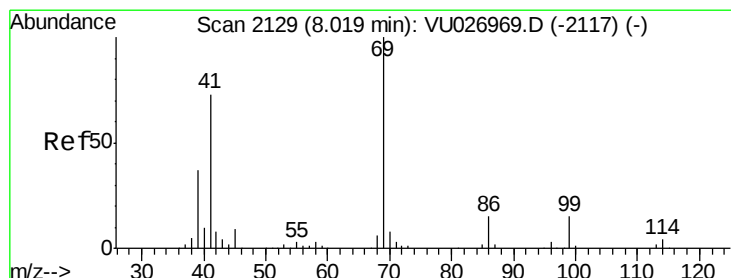
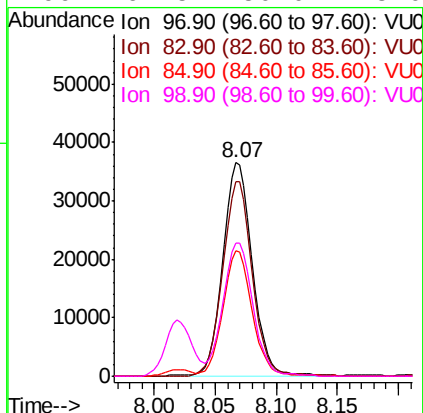
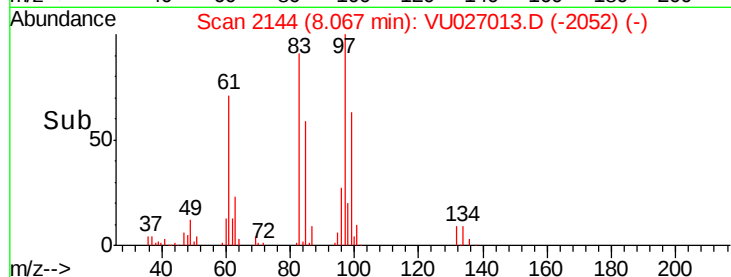
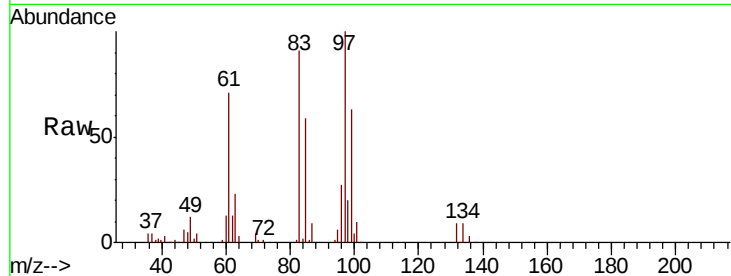
#55
 1,1,2-Trichloroethane
 Concen: 46.525 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027013.D
 Acq: 22 Sep 2018 14:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	62276
Ion	Ratio	Lower	Upper
97	100		
83	90.8	73.1	109.7
85	58.4	46.7	70.1
99	62.5	50.0	75.0

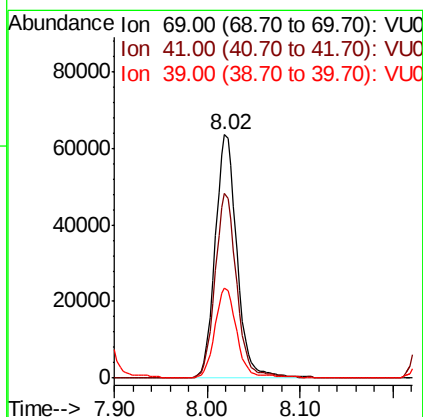
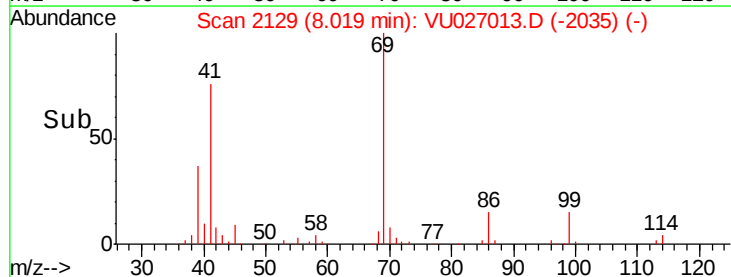
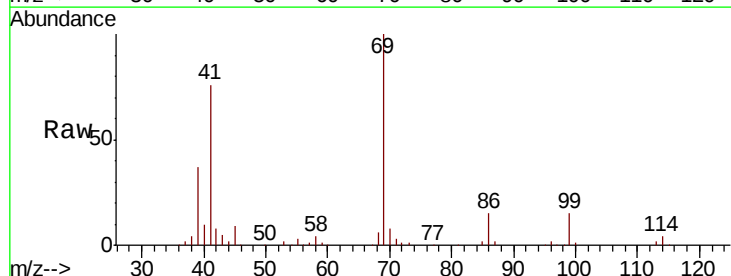
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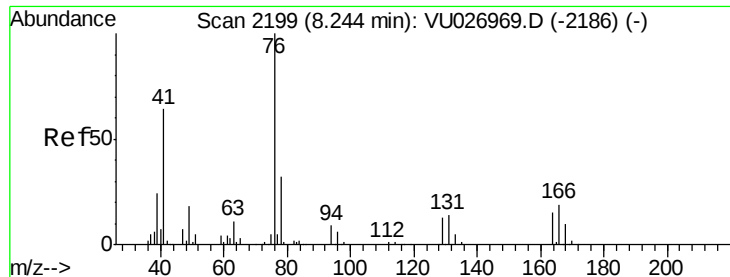
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#56
 Ethyl methacrylate
 Concen: 44.983 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027013.D
 Acq: 22 Sep 2018 14:04

Tgt Ion:	69	Resp:	103940
Ion	Ratio	Lower	Upper
69	100		
41	75.4	59.0	88.4
39	37.0	30.2	45.4





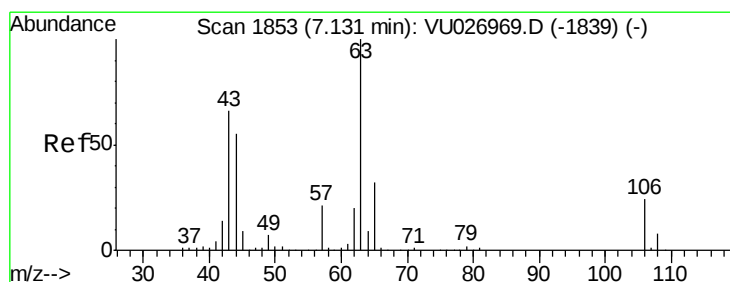
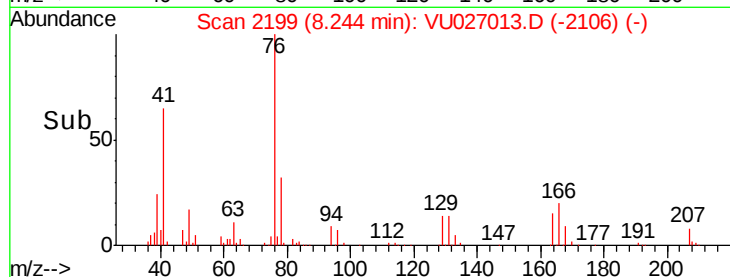
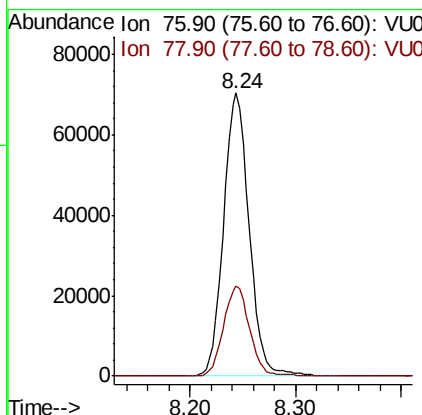
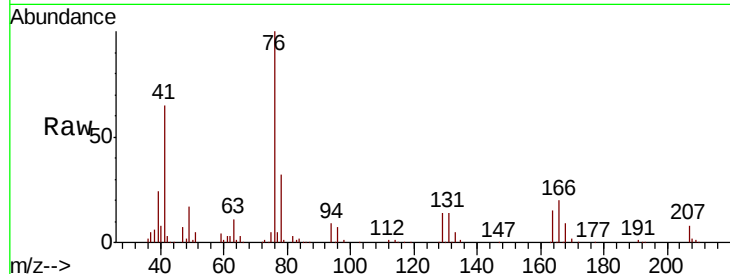
#57
 1,3-Dichloropropane
 Concen: 47.336 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. -0.00 min
 Lab File: VU027013.D
 Acq: 22 Sep 2018 14:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 117849
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.5 38.3

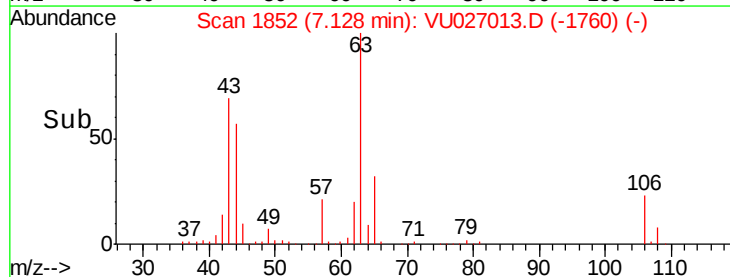
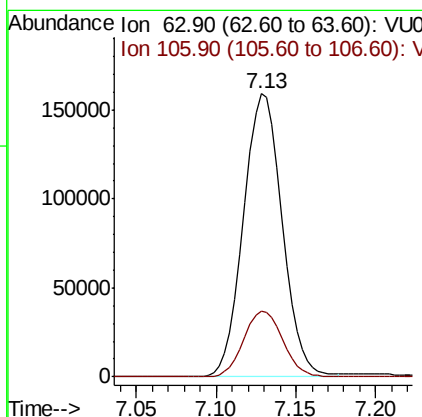
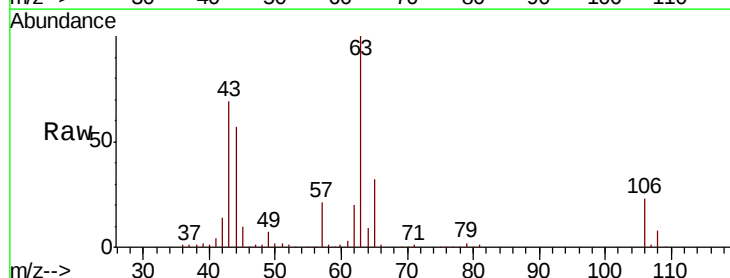
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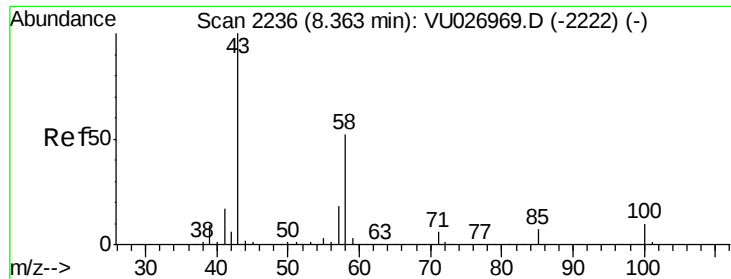
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#58
 2-Chloroethyl Vinyl ether
 Concen: 200.822 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VU027013.D
 Acq: 22 Sep 2018 14:04

Tgt Ion: 63 Resp: 263415
 Ion Ratio Lower Upper
 63 100
 106 23.4 18.7 28.1





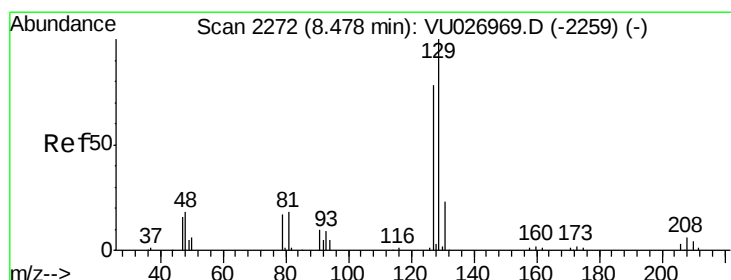
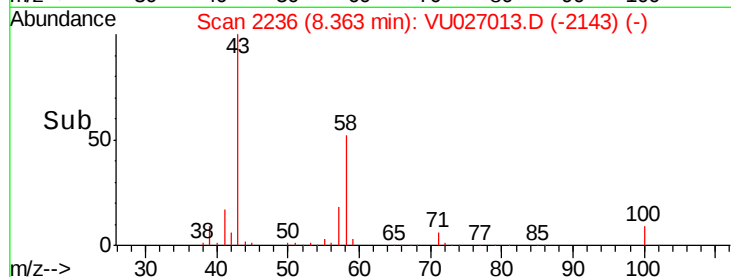
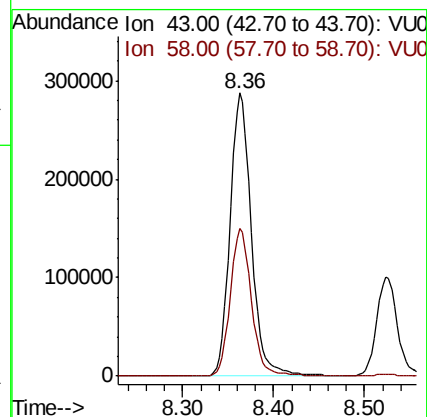
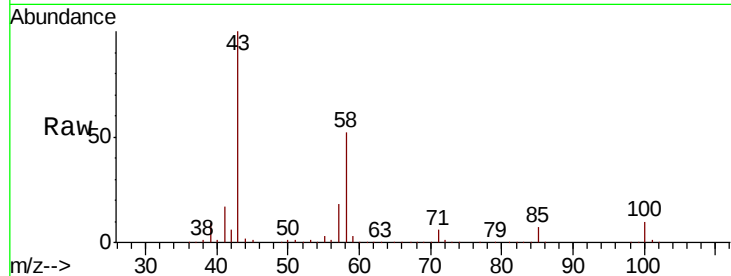
#59
2-Hexanone
Concen: 248.720 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU027013.D
Acq: 22 Sep 2018 14:04

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.9	26.1	78.2

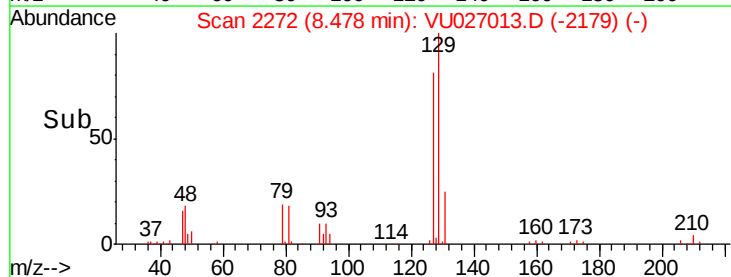
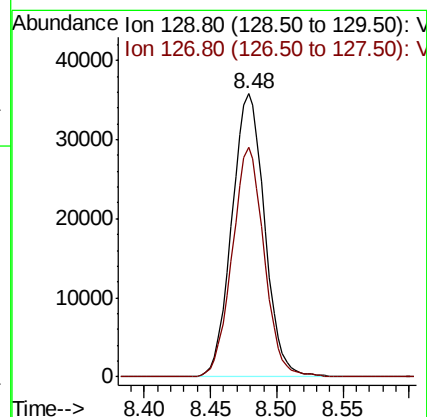
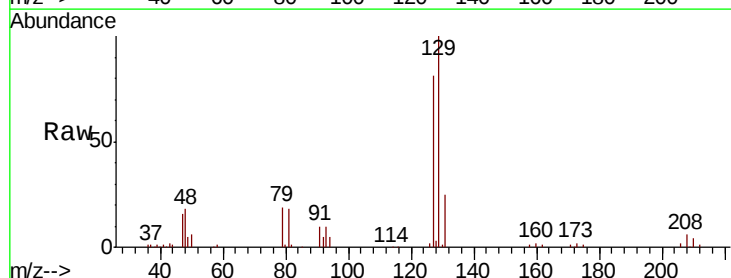
Manual Integrations
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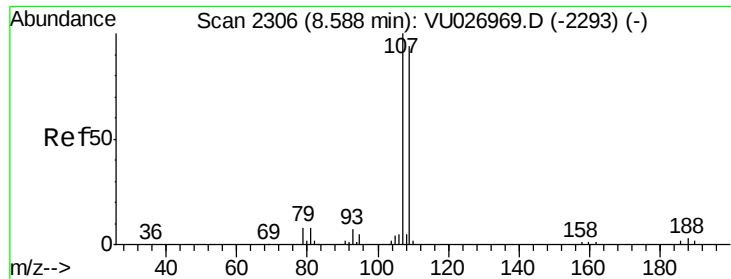
MMDadoda
9/24/2018 2:14:21 PM



#60
Dibromochloromethane
Concen: 46.866 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU027013.D
Acq: 22 Sep 2018 14:04

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.0	38.1	114.5





#61

1,2-Dibromoethane

Concen: 46.608 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VU027013.D

Acq: 22 Sep 2018 14:04

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 64912

Ion Ratio Lower Upper

107 100

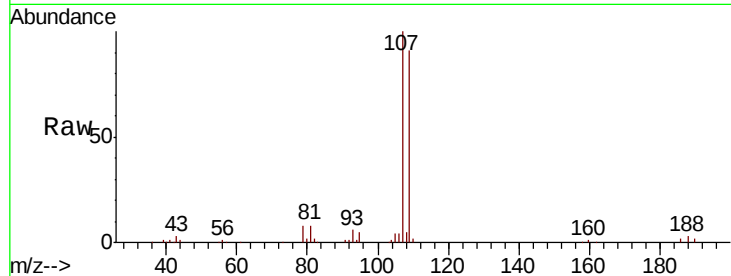
109 92.9 75.0 112.6

Manual Integrations

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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

40000

30000

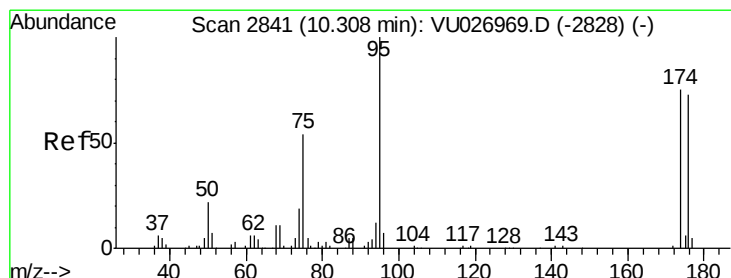
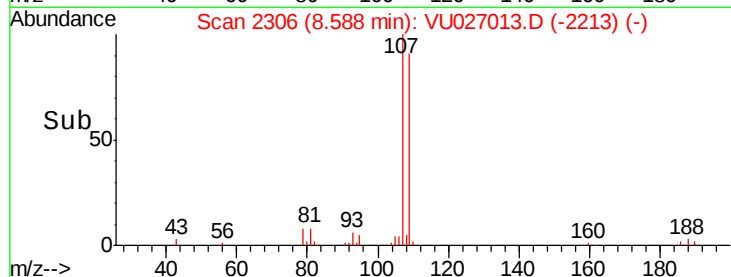
20000

10000

0

Time-->

8.50 8.55 8.60 8.65 8.70



#62

4-Bromofluorobenzene

Concen: 48.898 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.00 min

Lab File: VU027013.D

Acq: 22 Sep 2018 14:04

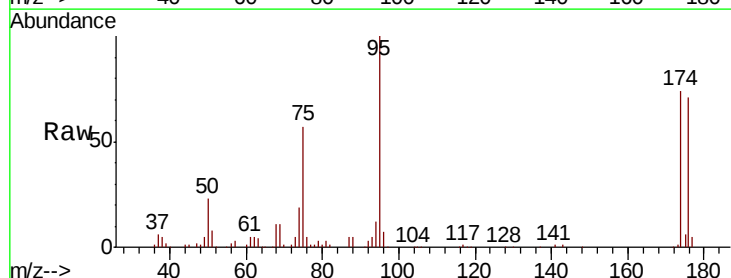
Tgt Ion: 95 Resp: 75290

Ion Ratio Lower Upper

95 100

174 74.9 0.0 150.2

176 72.0 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

50000

40000

30000

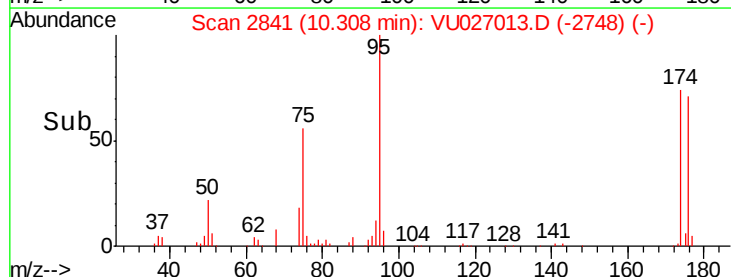
20000

10000

0

Time-->

10.25 10.30 10.35





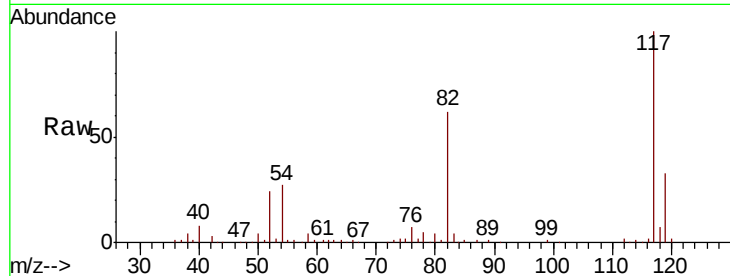
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027013.D
Acq: 22 Sep 2018 14:04

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.9	48.0	72.0
119	32.6	25.8	38.8

Manual Integrations
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9/24/2018 2:14:21 PM

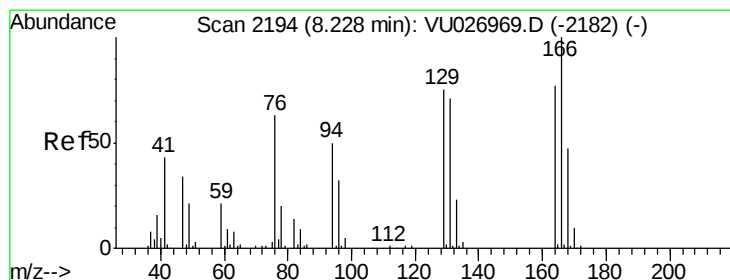
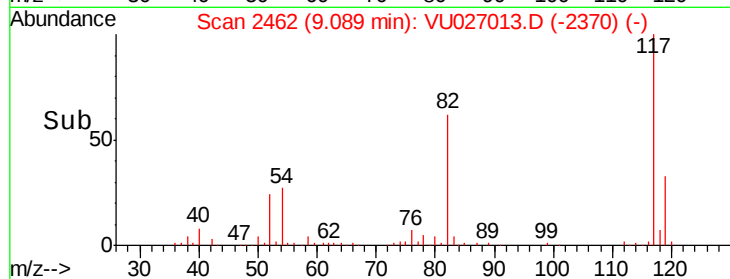
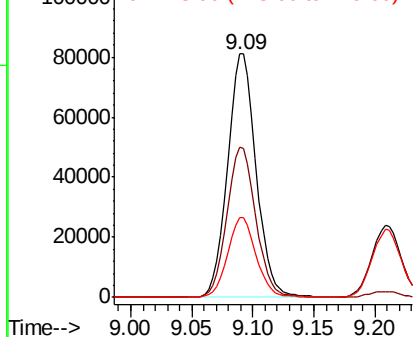


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 44.682 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU027013.D
Acq: 22 Sep 2018 14:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.9	104.4	156.6
129	97.0	78.7	118.1
131	93.1	73.9	110.9

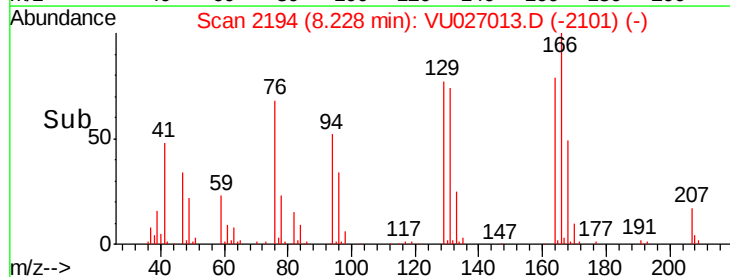
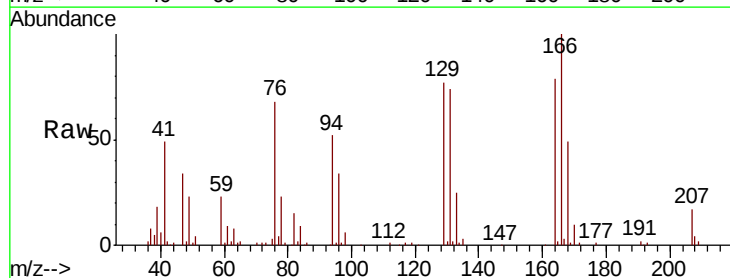
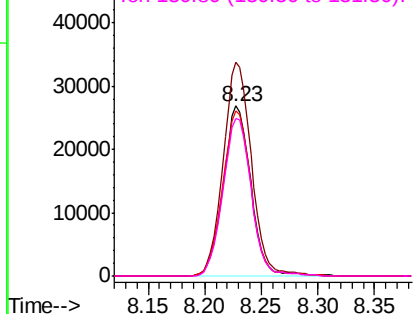
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





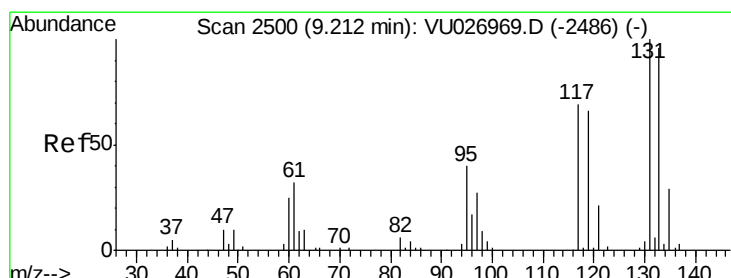
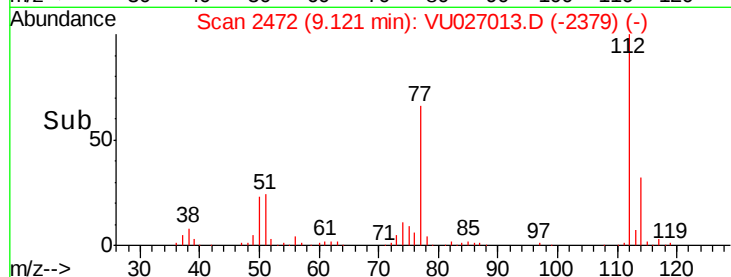
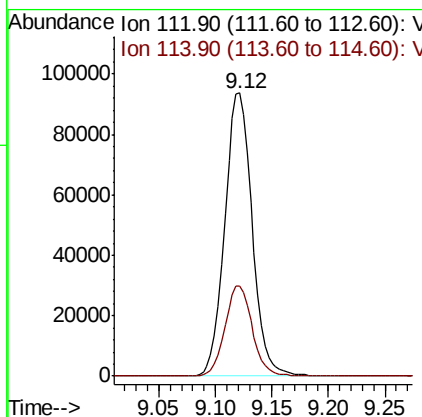
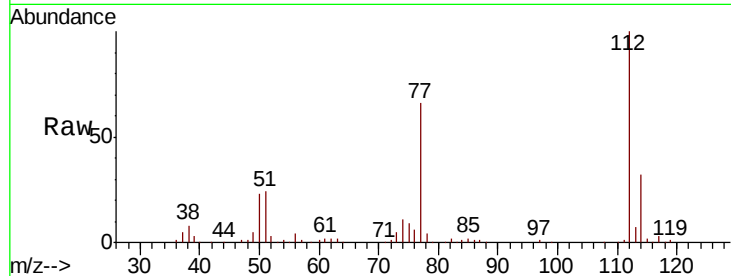
#65
Chlorobenzene
Concen: 44.785 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. -0.00 min
Lab File: VU027013.D
Acq: 22 Sep 2018 14:04

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 157964
Ion Ratio Lower Upper
112 100
114 31.9 25.0 37.6

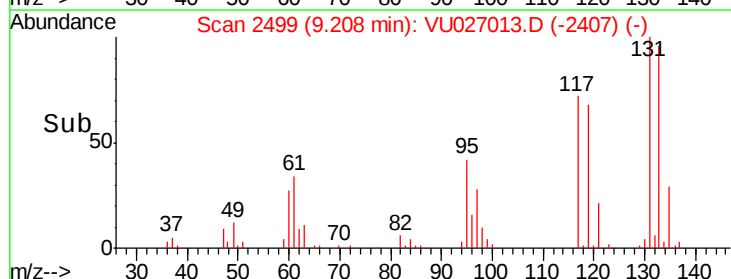
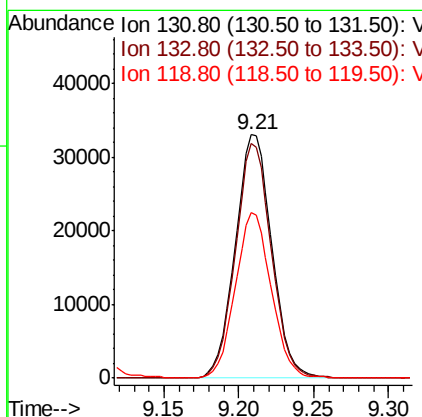
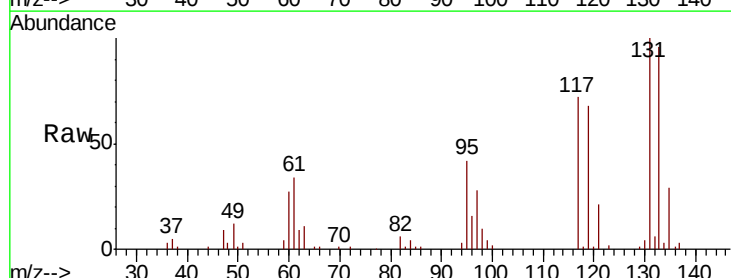
Manual Integrations
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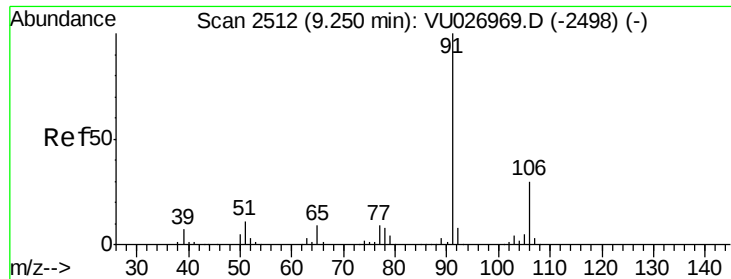
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9/24/2018 2:14:21 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 46.236 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU027013.D
Acq: 22 Sep 2018 14:04

Tgt Ion:131 Resp: 56172
Ion Ratio Lower Upper
131 100
133 94.7 48.0 144.2
119 67.0 33.4 100.1





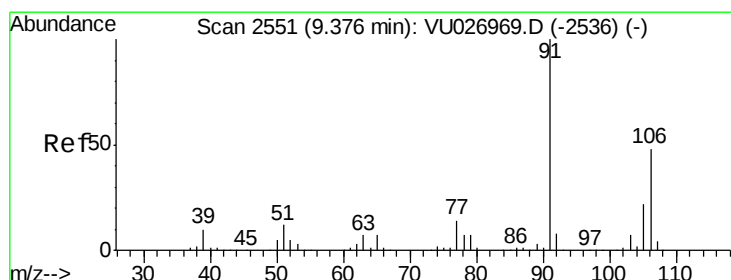
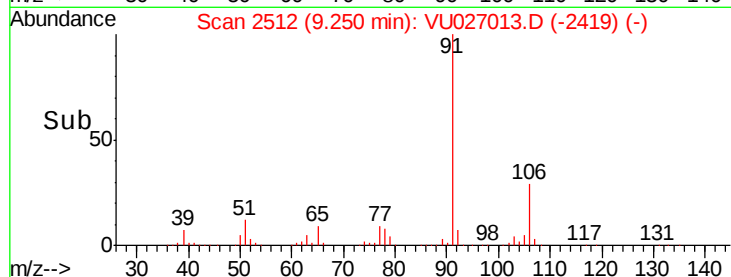
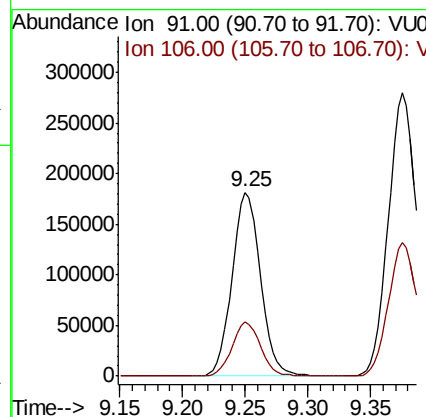
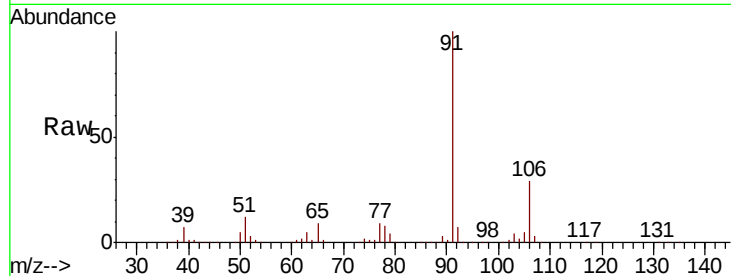
#67
Ethyl Benzene
Concen: 49.333 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. -0.00 min
Lab File: VU027013.D
Acq: 22 Sep 2018 14:04

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 286138
Ion Ratio Lower Upper
91 100
106 29.3 23.8 35.8

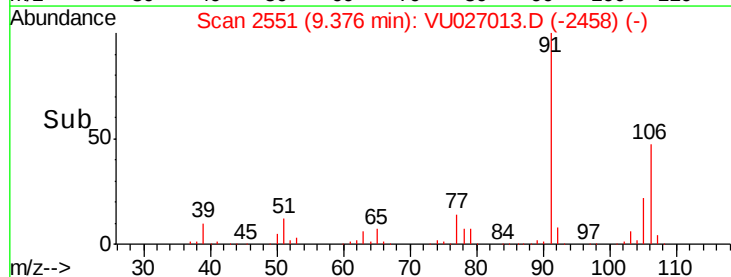
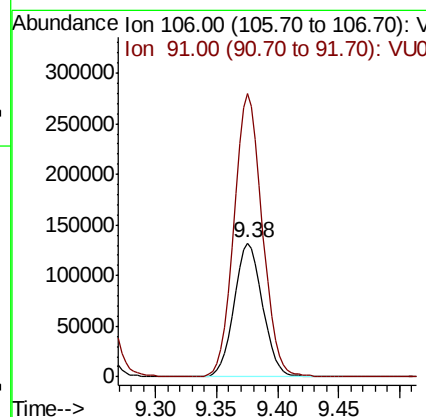
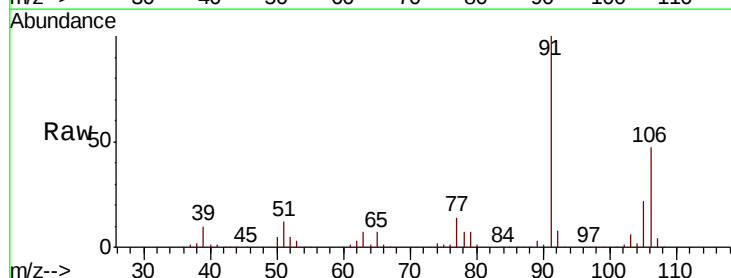
Manual Integrations
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9/24/2018 2:14:21 PM



#68
m/p-Xylenes
Concen: 92.032 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027013.D
Acq: 22 Sep 2018 14:04

Tgt Ion: 106 Resp: 215893
Ion Ratio Lower Upper
106 100
91 209.4 166.5 249.7





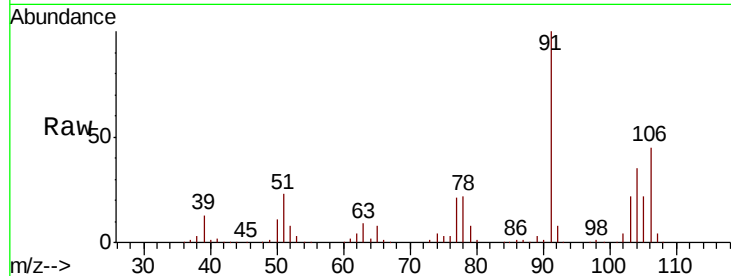
#69
o-Xylene
Concen: 50.409 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VU027013.D
Acq: 22 Sep 2018 14:04

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

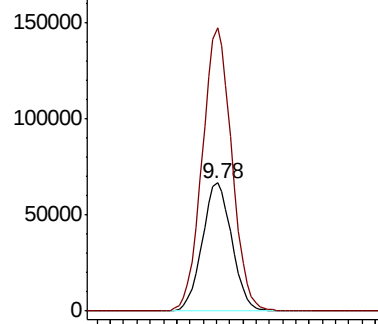
Tot Ion:106 Resp: 103593
Ion Ratio Lower Upper
106 100
91 220.6 110.2 330.6

Manual Integrations
APPROVED

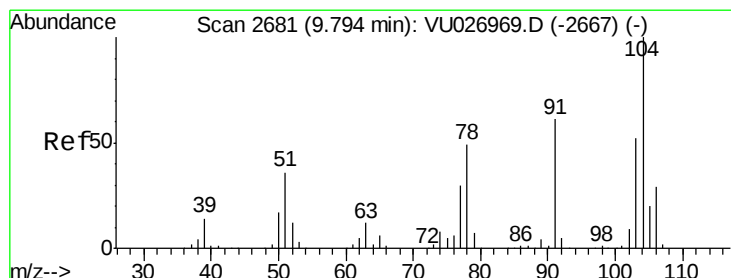
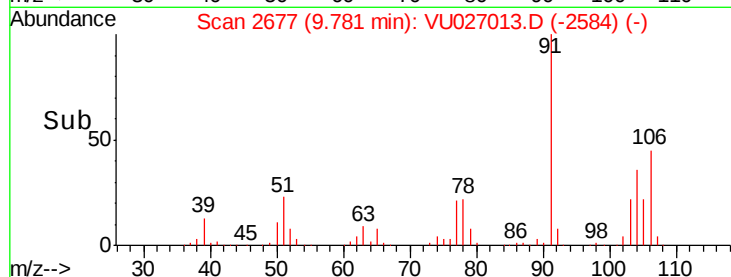
MMDadoda
9/24/2018 2:14:21 PM



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

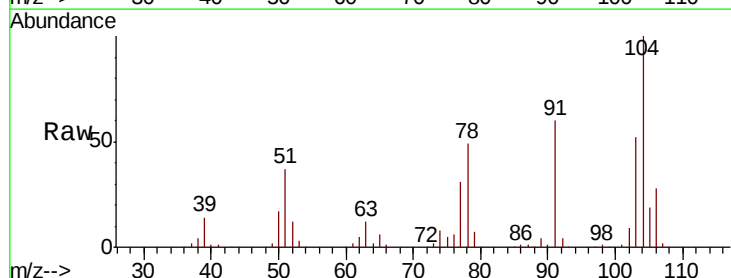


Time-->

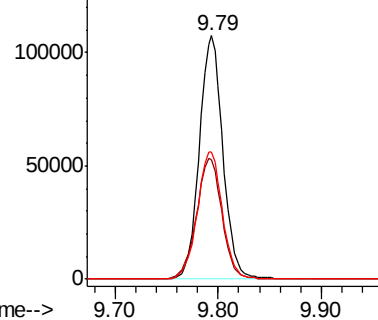


#70
Styrene
Concen: 44.719 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027013.D
Acq: 22 Sep 2018 14:04

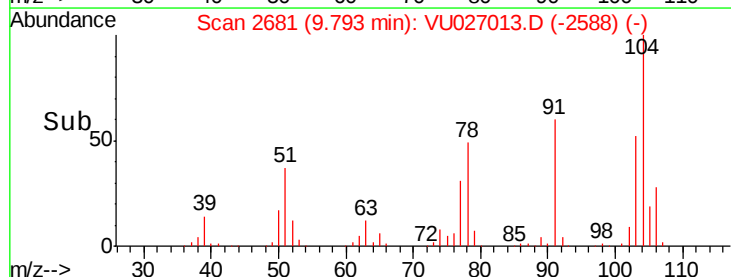
Tgt Ion:104 Resp: 170831
Ion Ratio Lower Upper
104 100
78 53.6 43.0 64.4
103 55.7 44.1 66.1



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



Time-->





#71

Bromoform

Concen: 46.488 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU027013.D

Acq: 22 Sep 2018 14:04

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 43675

Ion Ratio Lower Upper

173 100

175 48.7 23.9 71.8

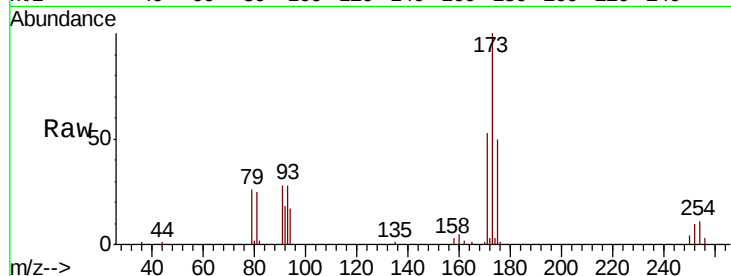
254 0.0 0.0 0.0

Manual Integrations

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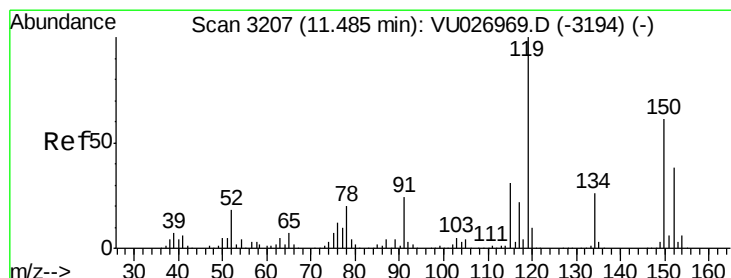
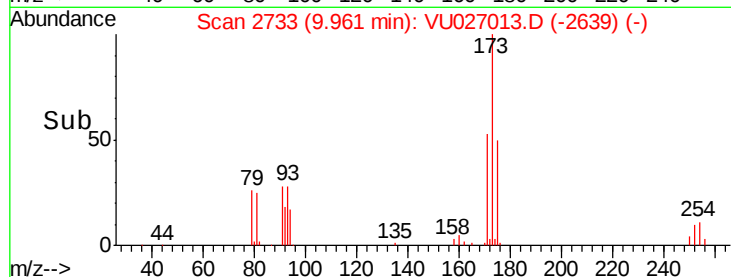
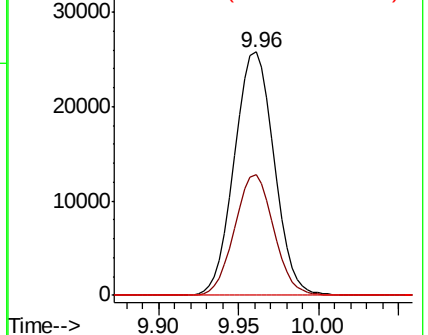
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU027013.D

Acq: 22 Sep 2018 14:04

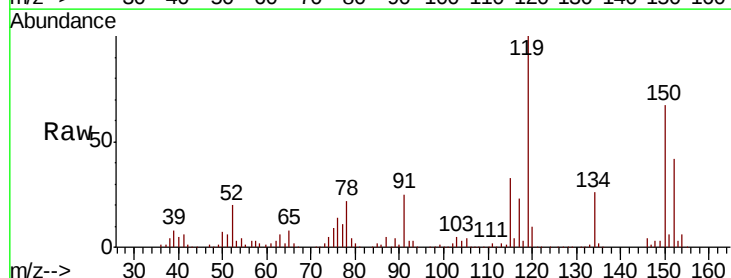
Tgt Ion:152 Resp: 75486

Ion Ratio Lower Upper

152 100

115 86.2 44.9 134.5

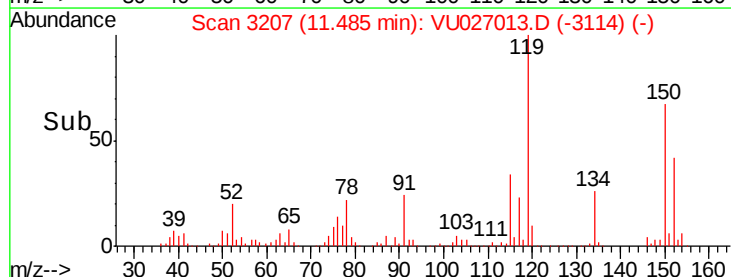
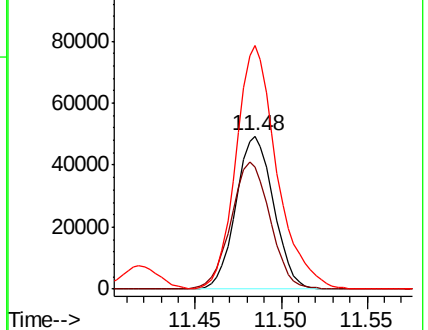
150 171.6 0.0 355.8

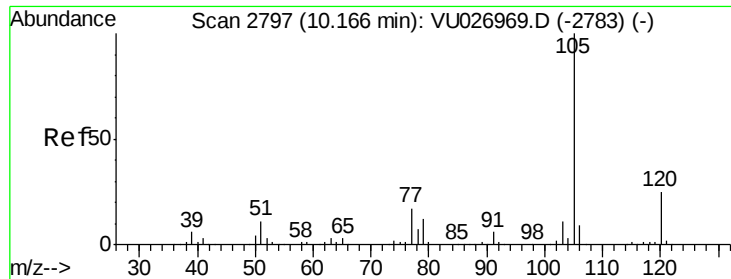


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.604 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU027013.D

Acq: 22 Sep 2018 14:04

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 279092

Ion Ratio Lower Upper

105 100

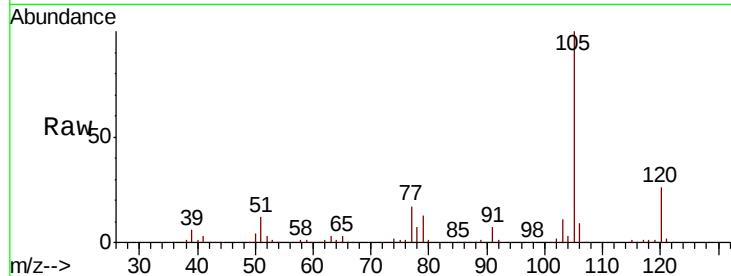
120 25.6 12.8 38.4

Manual Integrations

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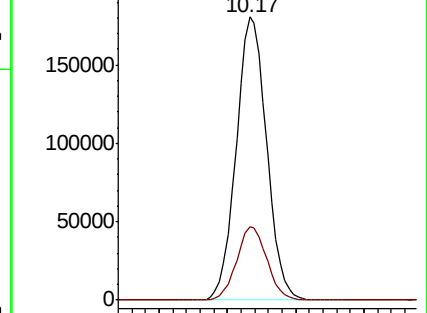
MMDadoda

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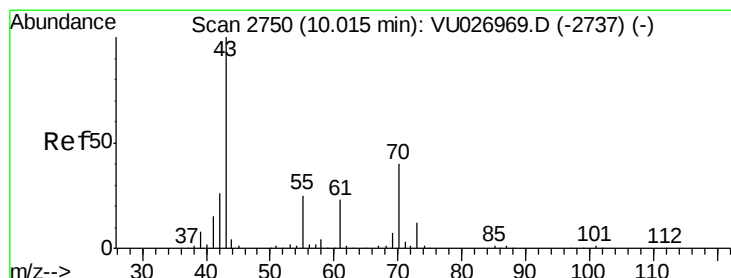
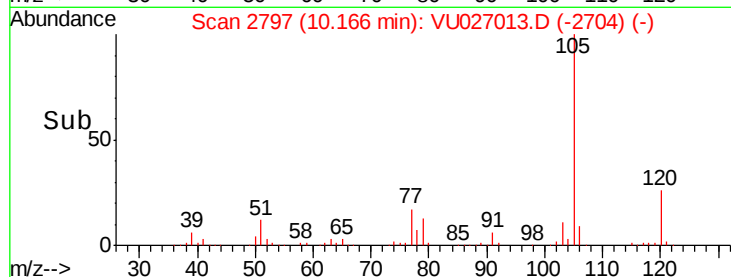


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#74

N-ethyl acetate

Concen: 48.187 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. -0.00 min

Lab File: VU027013.D

Acq: 22 Sep 2018 14:04

Tgt Ion: 43 Resp: 160163

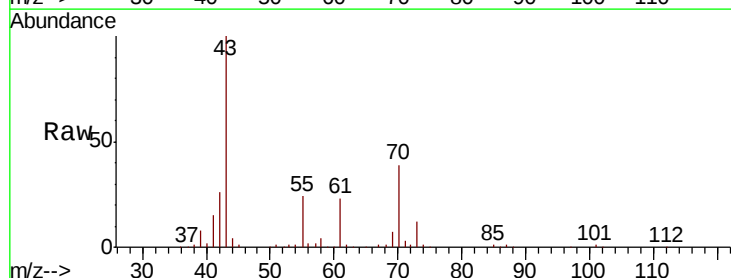
Ion Ratio Lower Upper

43 100

70 38.7 31.8 47.8

55 24.4 19.9 29.9

61 22.8 18.4 27.6

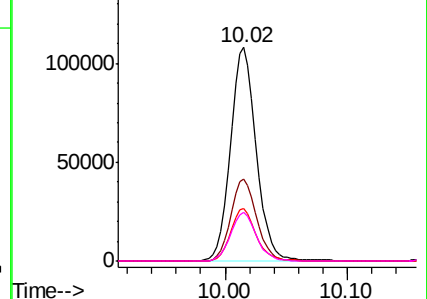


Abundance Ion 43.00 (42.70 to 43.70): VU0

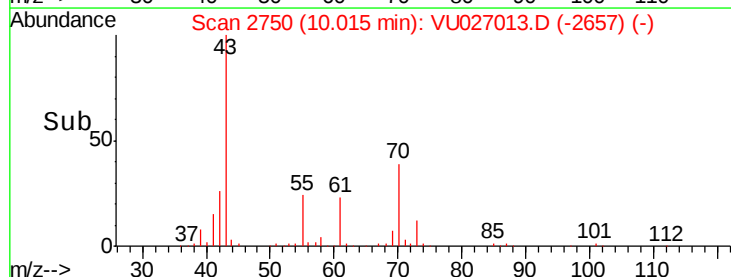
Ion 70.00 (69.70 to 70.70): VU0

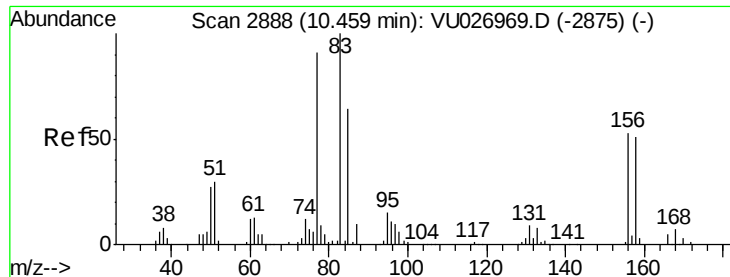
Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 41.265 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VU027013.D

Acq: 22 Sep 2018 14:04

Instrument :

MSVOA_U

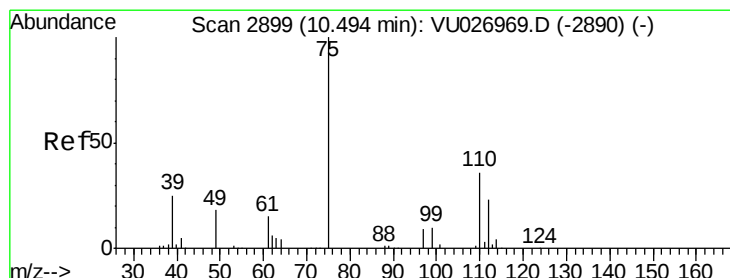
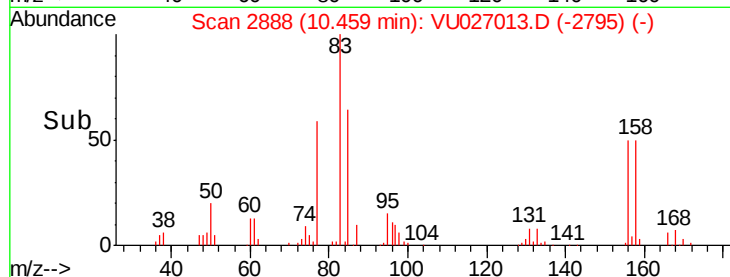
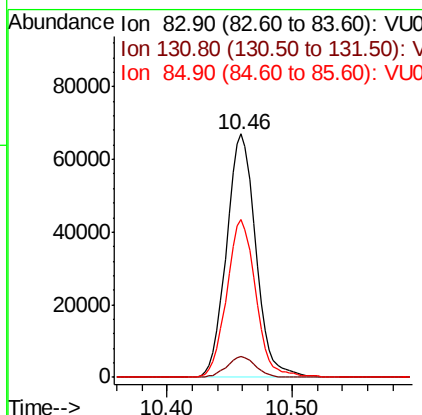
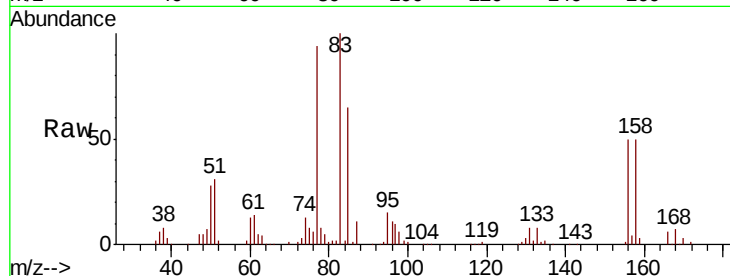
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	108942
Ion Ratio	Lower	Upper	
83	100		
131	8.4	4.3	12.8
85	64.2	31.9	95.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 41.229 ug/l m

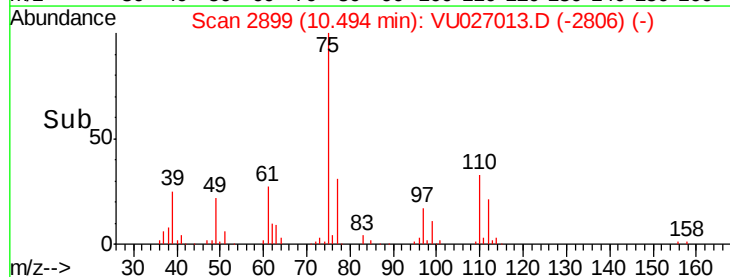
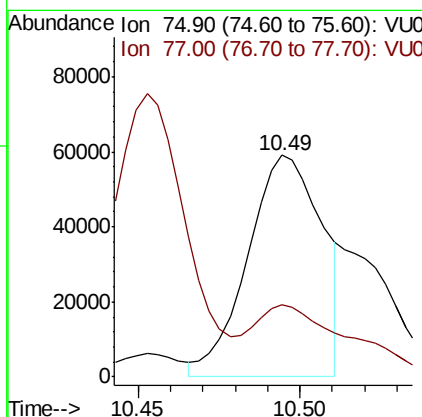
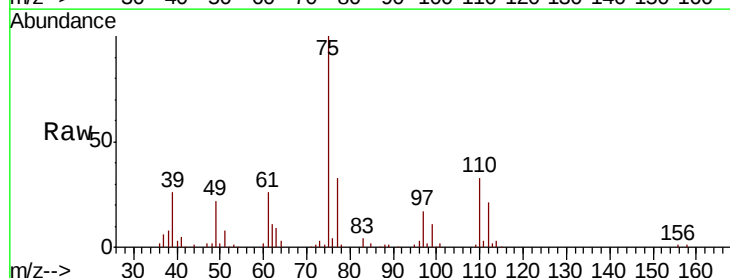
RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU027013.D

Acq: 22 Sep 2018 14:04

Tgt Ion:	75	Resp:	94549
Ion Ratio	Lower	Upper	
75	100		
77	42.0	20.9	62.8





#77

Bromobenzene

Concen: 44.126 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU027013.D

Acq: 22 Sep 2018 14:04

Instrument :

MSVOA_U

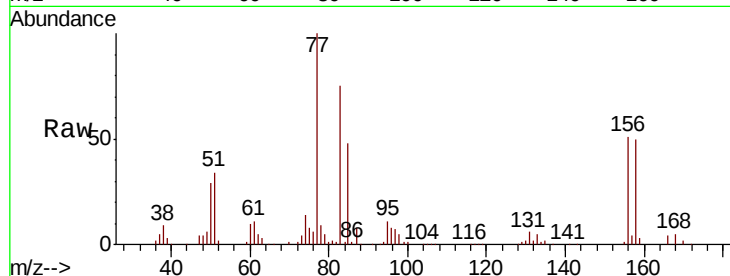
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	61918
Ion	Ratio	Lower	Upper
156	100		
77	194.3	92.3	276.9
158	98.0	48.1	144.3

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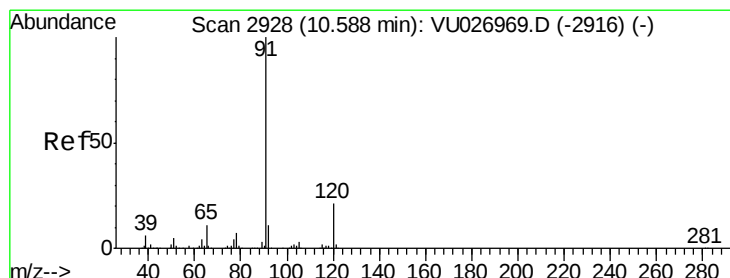
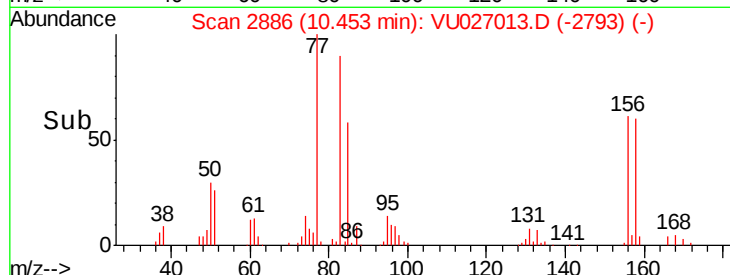
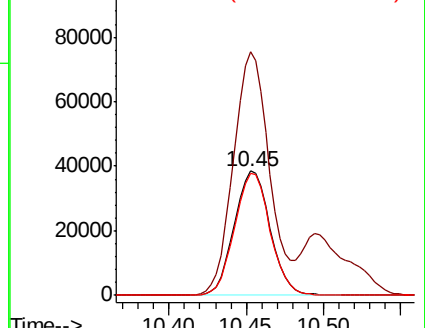
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.036 ug/l

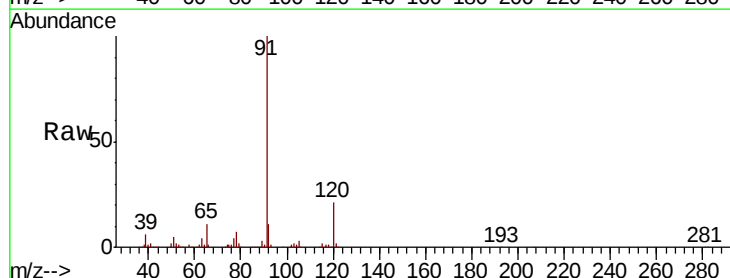
RT: 10.59 min Scan# 2928

Delta R.T. -0.00 min

Lab File: VU027013.D

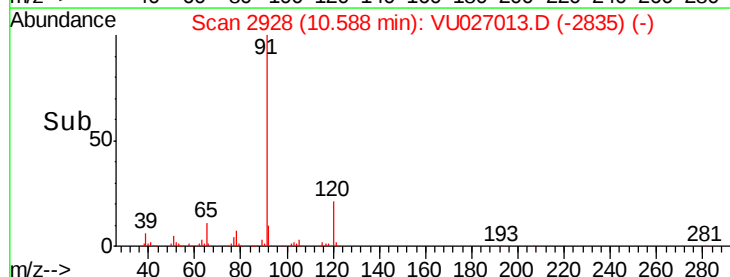
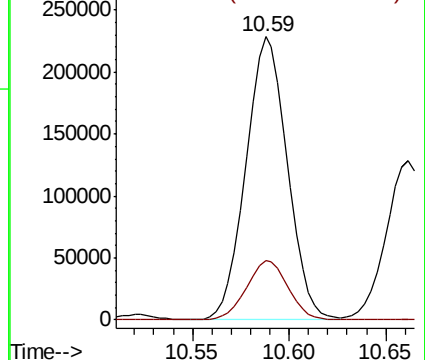
Acq: 22 Sep 2018 14:04

Tgt Ion:	91	Resp:	339957
Ion	Ratio	Lower	Upper
91	100		
120	21.1	10.6	31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





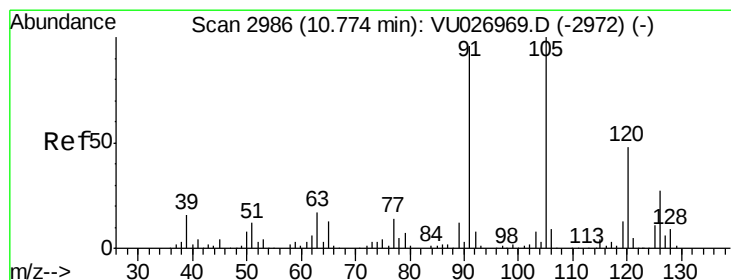
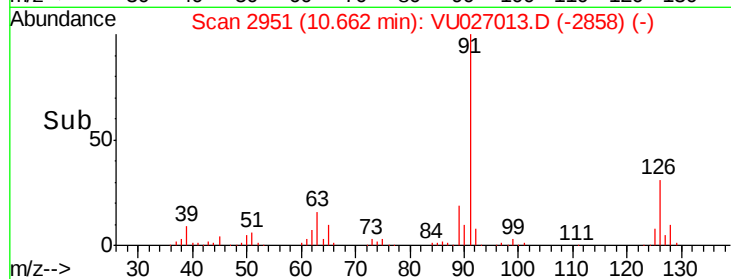
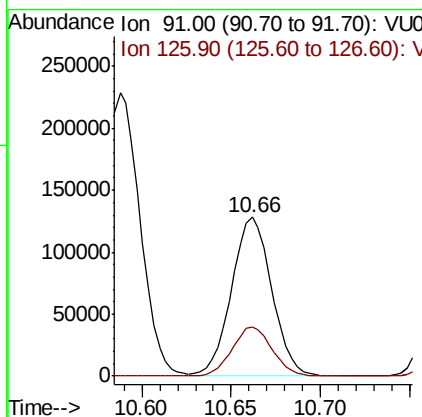
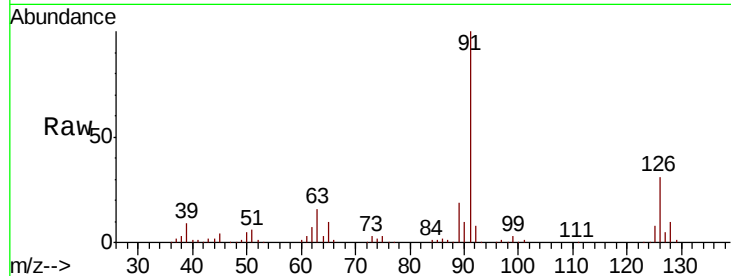
#79
2-Chlorotoluene
Concen: 47.021 ug/l
RT: 10.66 min Scan# 2951
Delta R.T. -0.00 min
Lab File: VU027013.D
Acq: 22 Sep 2018 14:04

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 200669
Ion Ratio Lower Upper
91 100
126 31.3 15.8 47.3

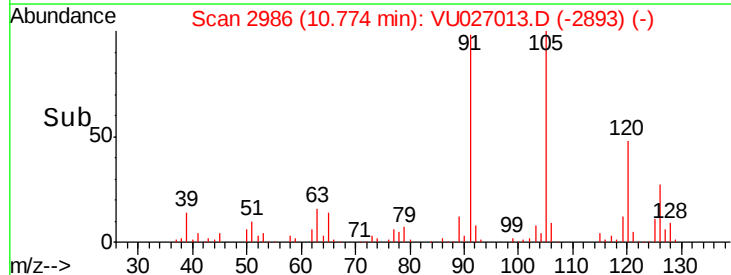
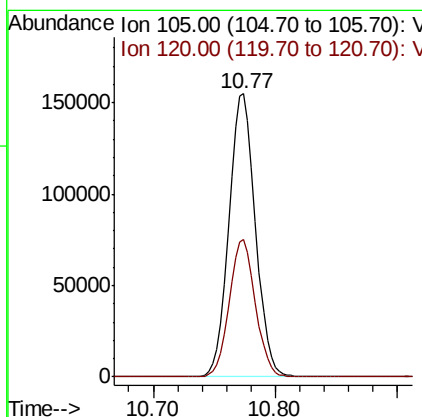
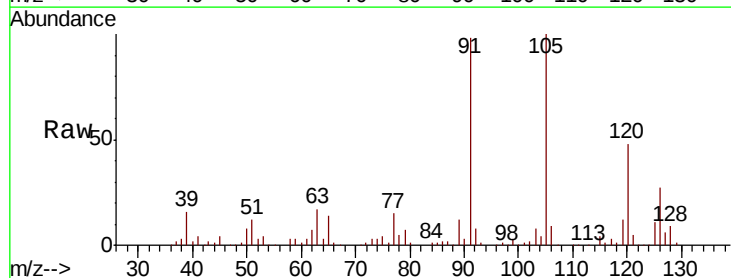
Manual Integrations
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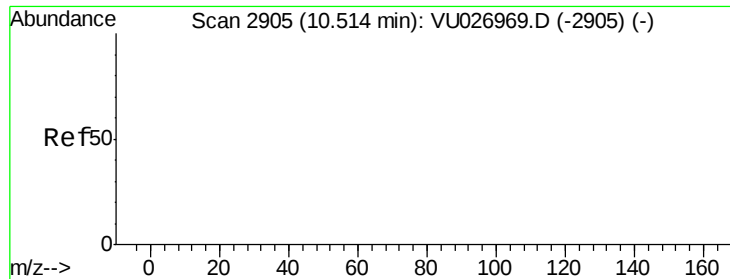
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 49.477 ug/l
RT: 10.77 min Scan# 2986
Delta R.T. -0.00 min
Lab File: VU027013.D
Acq: 22 Sep 2018 14:04

Tgt Ion: 105 Resp: 234519
Ion Ratio Lower Upper
105 100
120 48.0 23.9 71.7





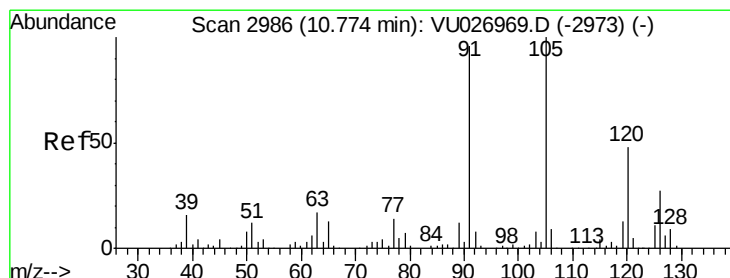
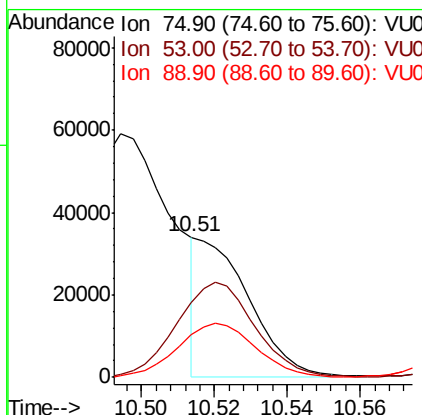
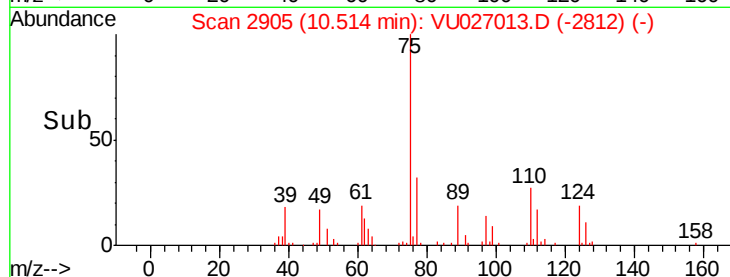
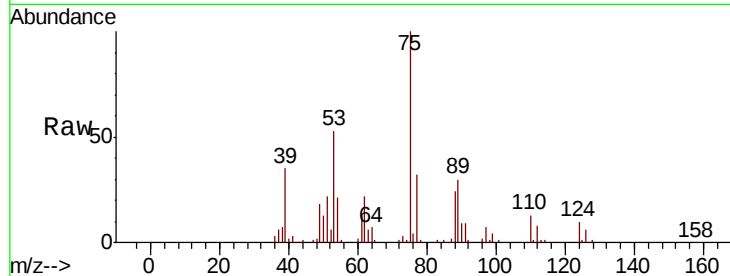
#81
trans-1,4-Dichloro-2-butene
Concen: 45.787 ug/l m
RT: 10.51 min Scan# 2905
Delta R.T. -0.00 min
Lab File: VU027013.D
Acq: 22 Sep 2018 14:04

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

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

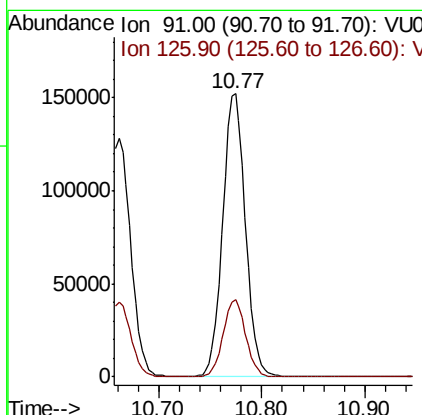
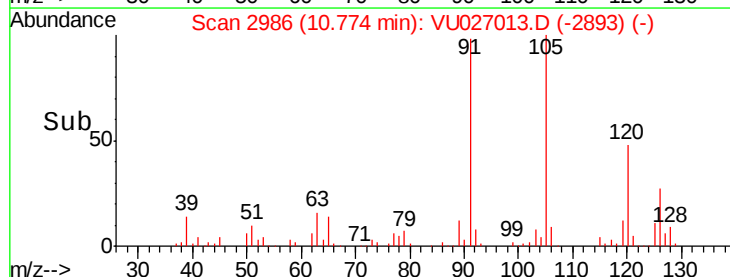
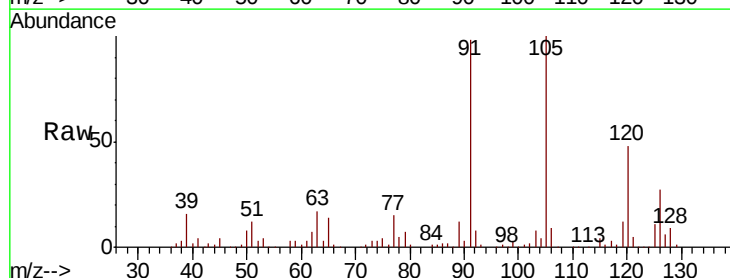
Manual Integrations
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#82
4-Chlorotoluene
Concen: 48.662 ug/l
RT: 10.77 min Scan# 2986
Delta R.T. -0.00 min
Lab File: VU027013.D
Acq: 22 Sep 2018 14:04

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.2	14.1	42.2





#83

tert-Butylbenzene

Concen: 47.627 ug/l

RT: 11.10 min Scan# 3088

Delta R.T. -0.00 min

Lab File: VU027013.D

Acq: 22 Sep 2018 14:04

Instrument :

MSVOA_U

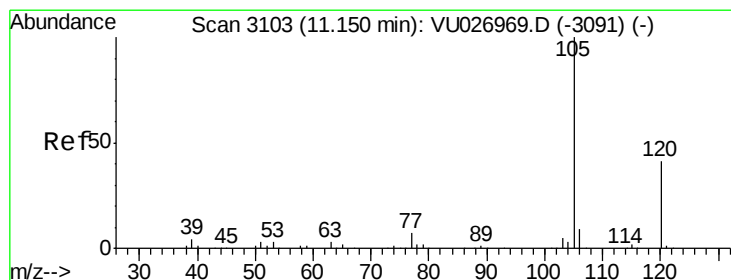
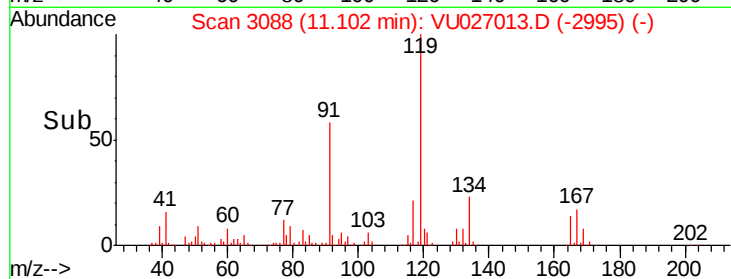
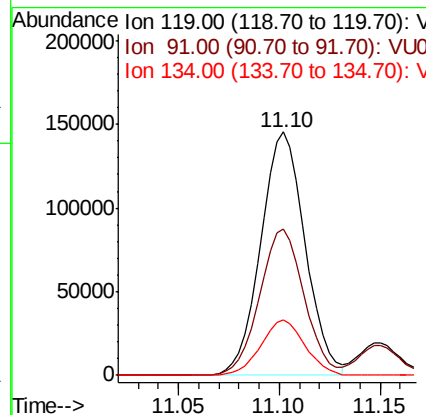
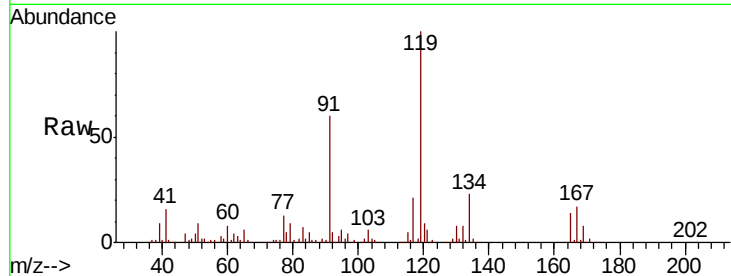
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	223193
Ion Ratio	Lower	Upper	
119	100		
91	60.6	29.8	89.4
134	22.6	11.5	34.4

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#84

1,2,4-Trimethylbenzene

Concen: 50.120 ug/l

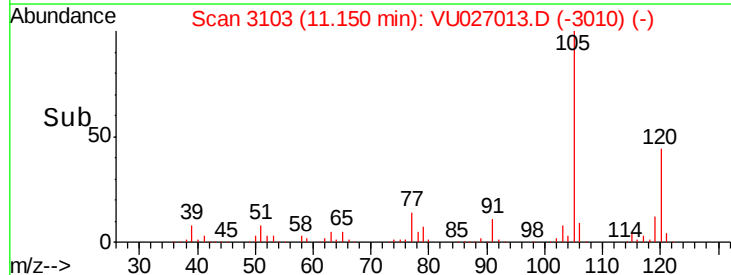
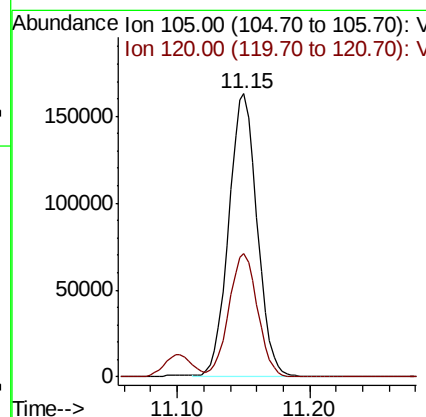
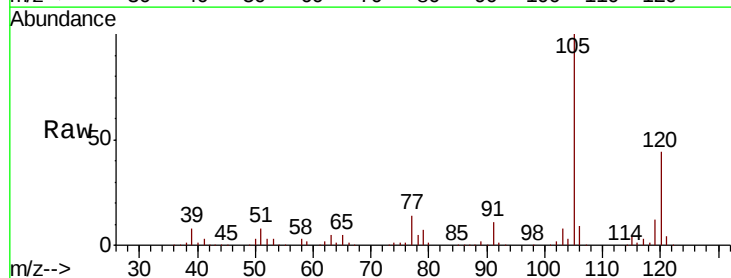
RT: 11.15 min Scan# 3103

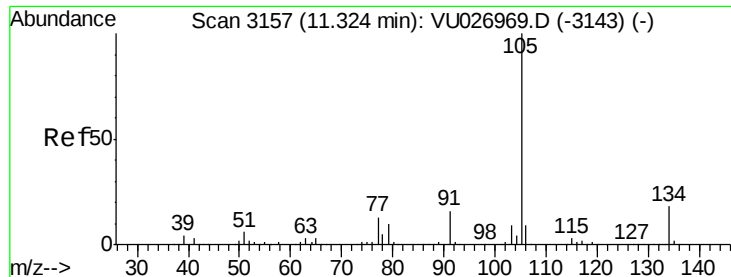
Delta R.T. -0.00 min

Lab File: VU027013.D

Acq: 22 Sep 2018 14:04

Tgt Ion:	105	Resp:	241771
Ion Ratio	Lower	Upper	
105	100		
120	44.1	22.4	67.2





#85

sec-Butylbenzene

Concen: 49.701 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. -0.00 min

Lab File: VU027013.D

Acq: 22 Sep 2018 14:04

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 284315

Ion Ratio Lower Upper

105 100

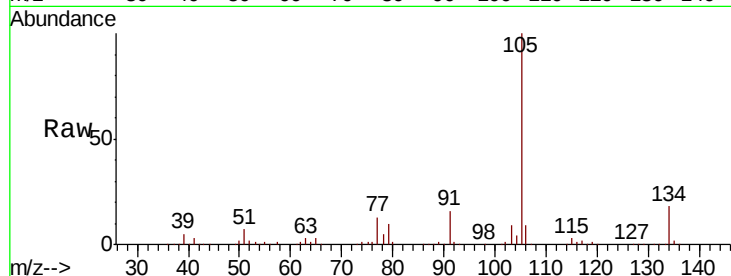
134 18.6 9.4 28.2

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

200000

150000

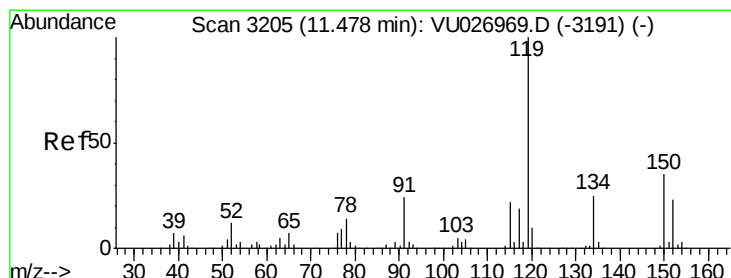
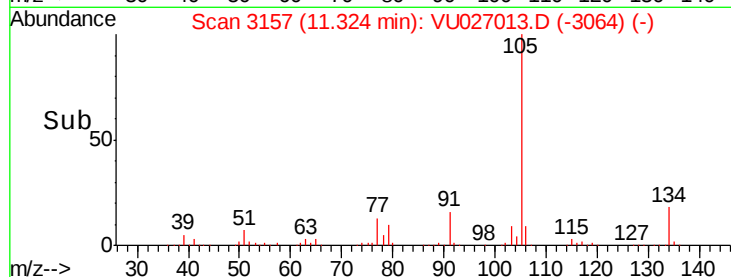
100000

50000

0

11.25 11.30 11.35 11.40

Time-->



#86

p-Isopropyltoluene

Concen: 45.659 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU027013.D

Acq: 22 Sep 2018 14:04

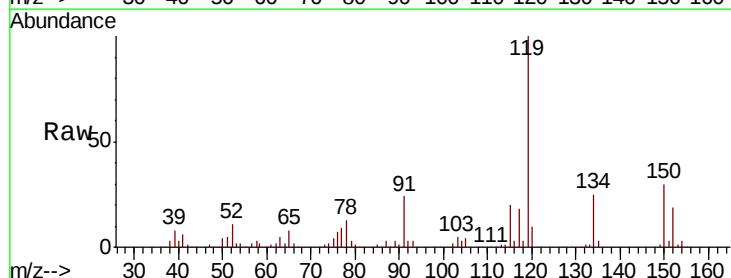
Tgt Ion:119 Resp: 244643

Ion Ratio Lower Upper

119 100

134 25.1 12.8 38.3

91 24.6 12.3 36.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

200000

150000

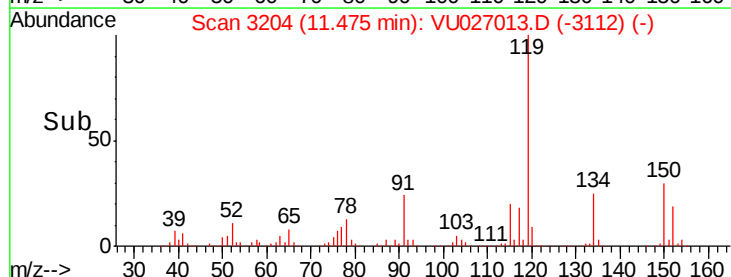
100000

50000

0

11.40 11.50 11.60

Time-->





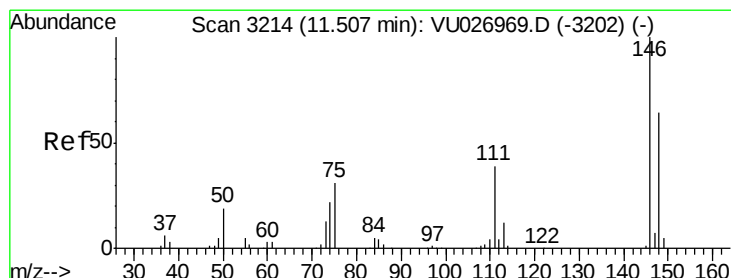
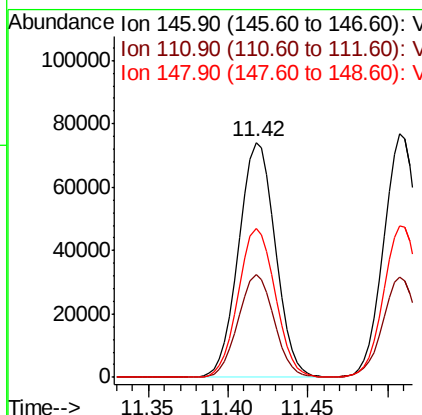
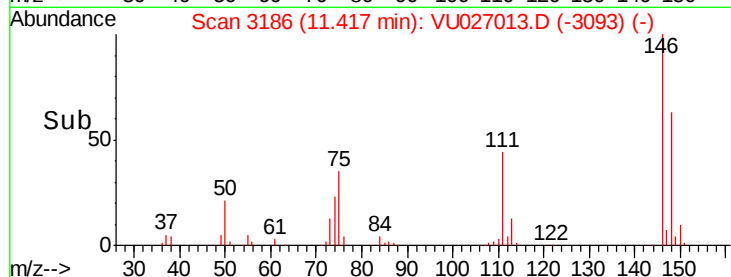
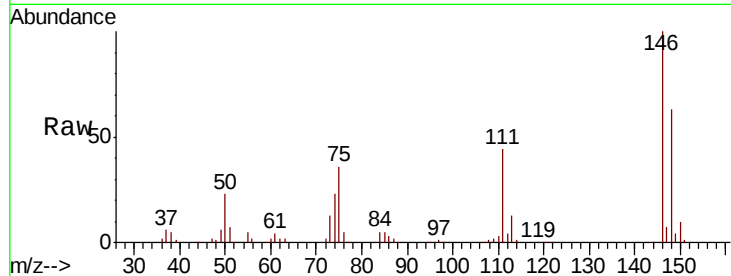
#87
 1,3-Dichlorobenzene
 Concen: 44.431 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. -0.00 min
 Lab File: VU027013.D
 Acq: 22 Sep 2018 14:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	20.8	62.2
148	63.8	32.0	96.2

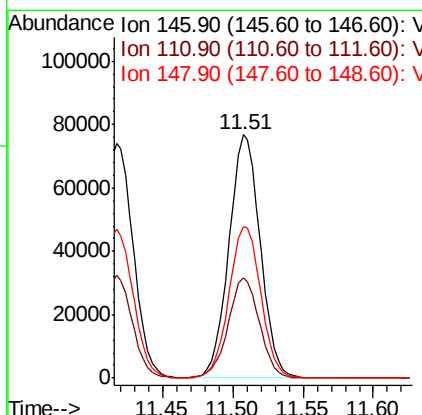
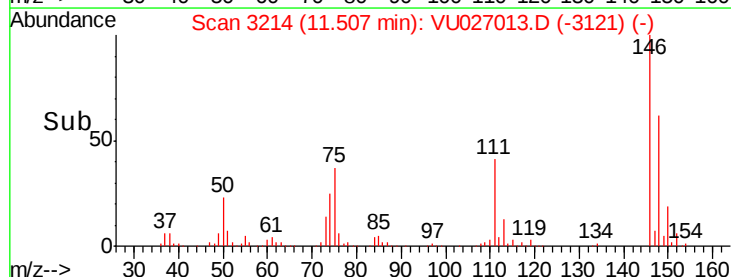
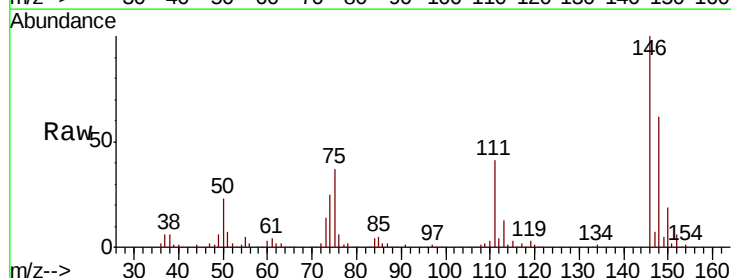
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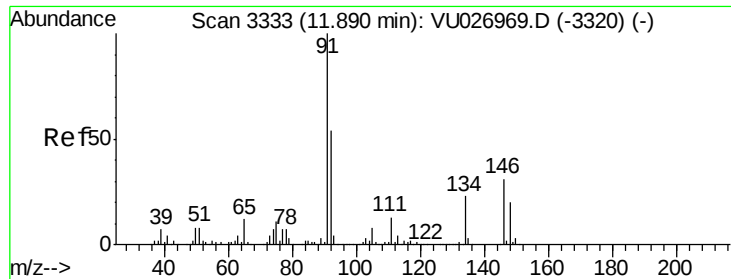
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#88
 1,4-Dichlorobenzene
 Concen: 41.842 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU027013.D
 Acq: 22 Sep 2018 14:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.3	60.9
148	63.9	31.9	95.9





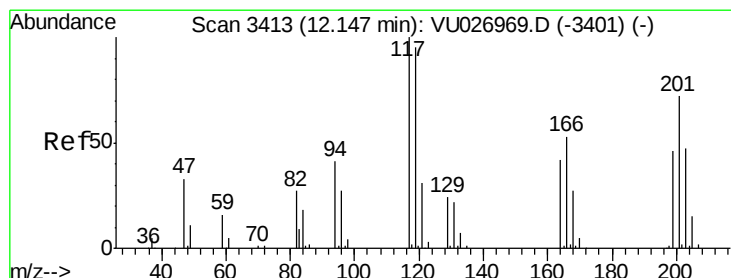
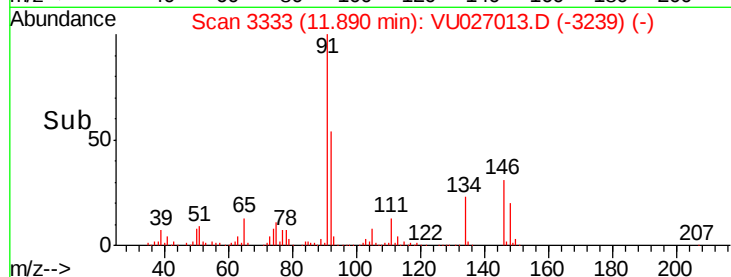
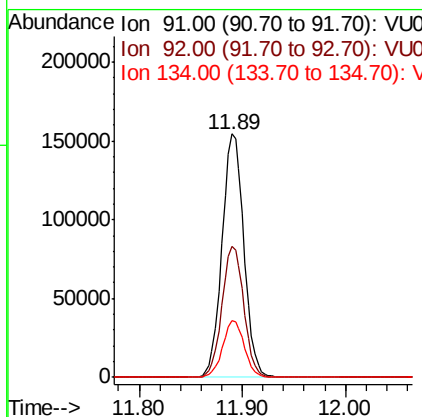
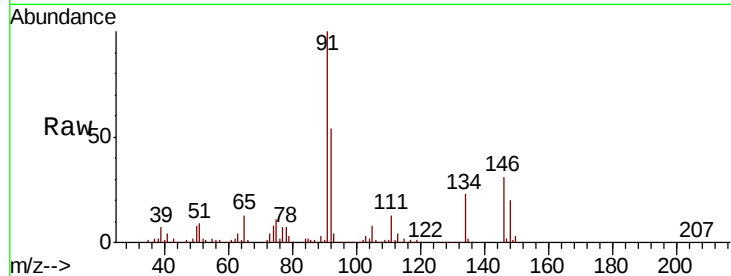
#89
n-Butylbenzene
Concen: 44.059 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027013.D
Acq: 22 Sep 2018 14:04

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	27.1	81.2
134	23.0	11.7	35.0

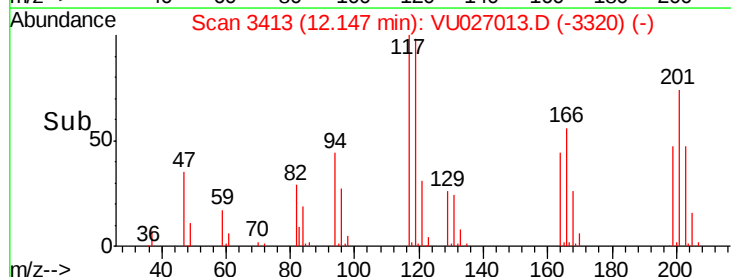
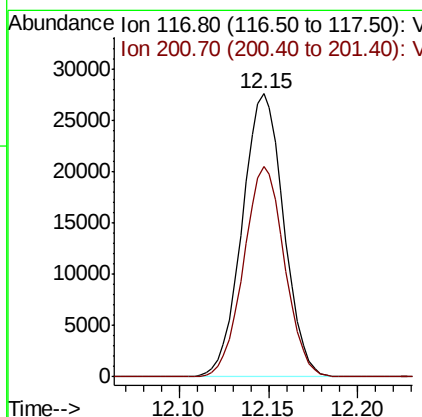
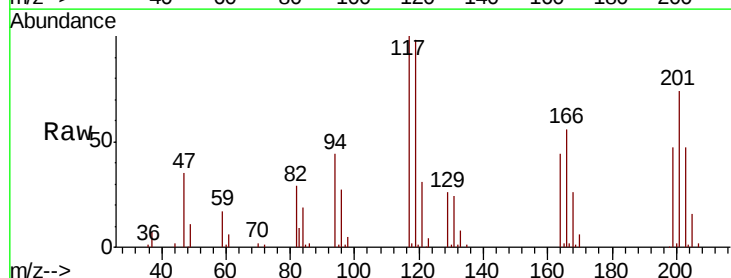
Manual Integrations
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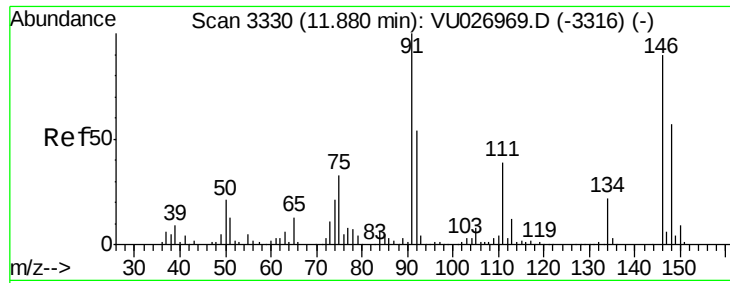
MMDadoda
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#90
Hexachloroethane
Concen: 42.924 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VU027013.D
Acq: 22 Sep 2018 14:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.3	36.8	110.3





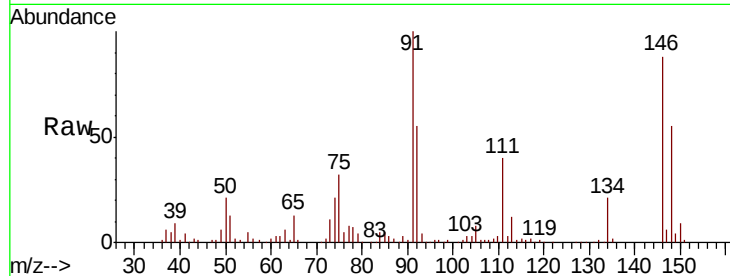
#91
 1,2-Dichlorobenzene
 Concen: 41.807 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU027013.D
 Acq: 22 Sep 2018 14:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	44.5	21.8	65.3	
148	64.0	31.9	95.7	

Manual Integrations
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MMDadoda
 9/24/2018 2:14:21 PM

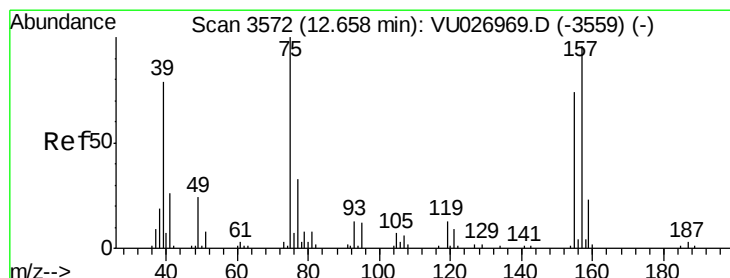
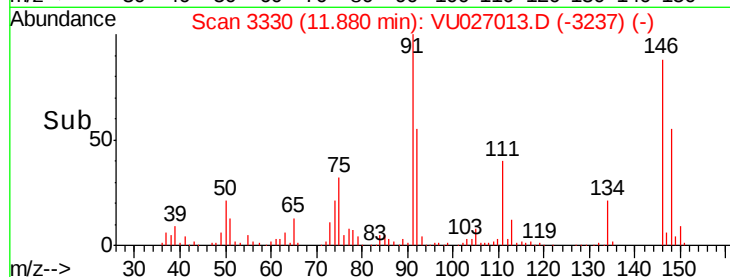
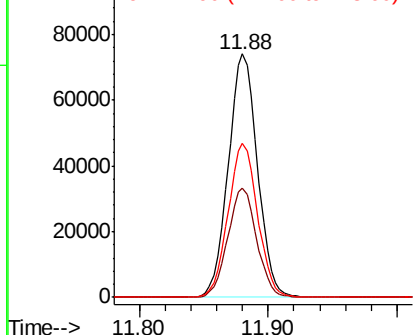


Abundance

Ion 145.90 (145.60 to 146.60): V

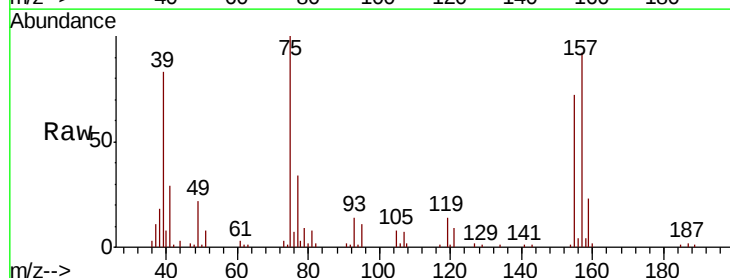
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.672 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VU027013.D
 Acq: 22 Sep 2018 14:04

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	73.5	36.6	109.8	
157	92.7	47.4	142.2	

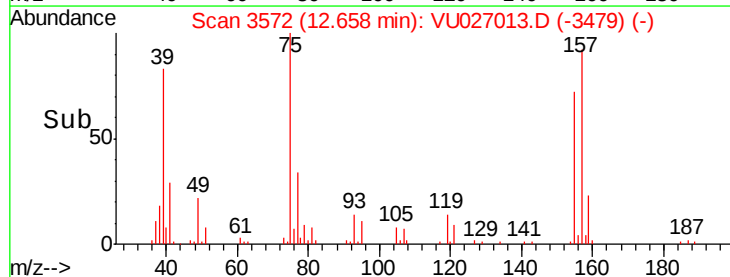
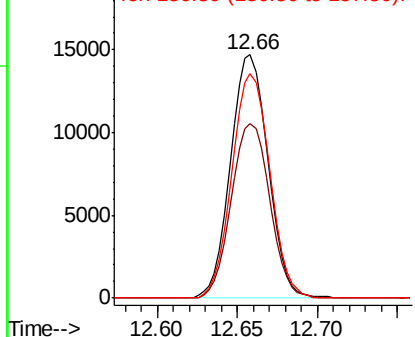


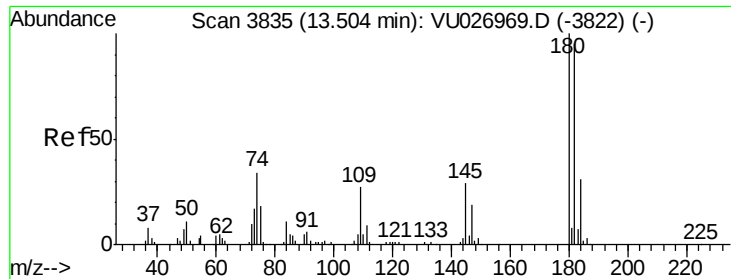
Abundance

Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





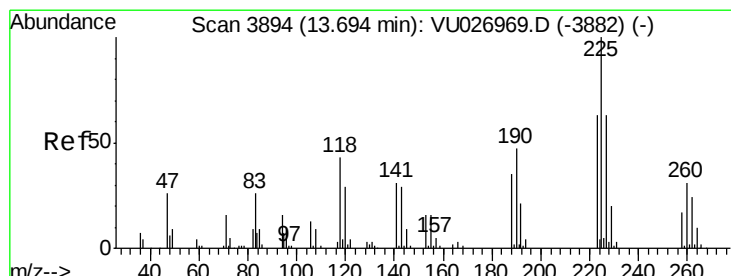
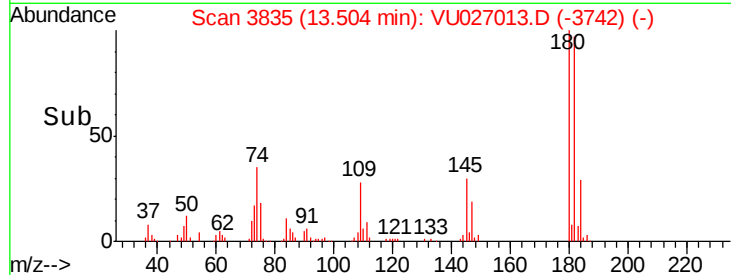
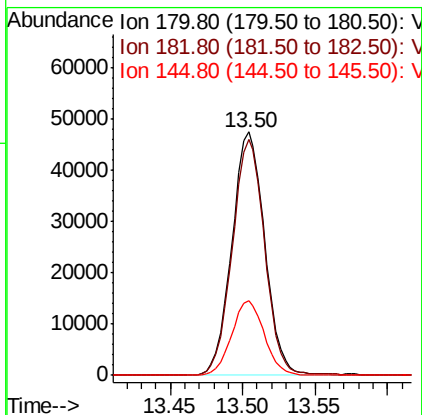
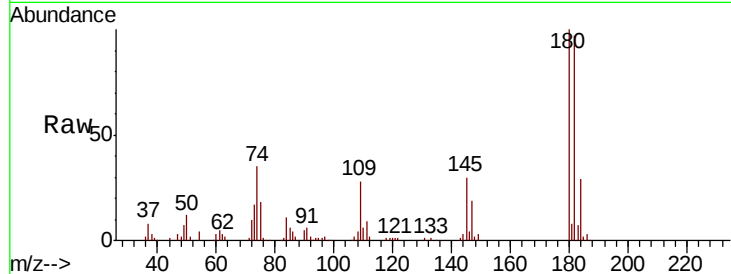
#93
 1,2,4-Trichlorobenzene
 Concen: 46.768 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. -0.00 min
 Lab File: VU027013.D
 Acq: 22 Sep 2018 14:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.4	142.2
145	30.4	14.9	44.5

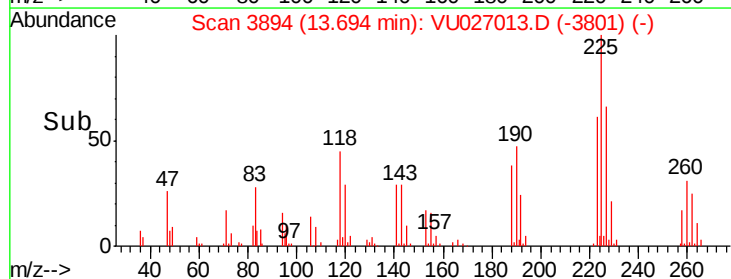
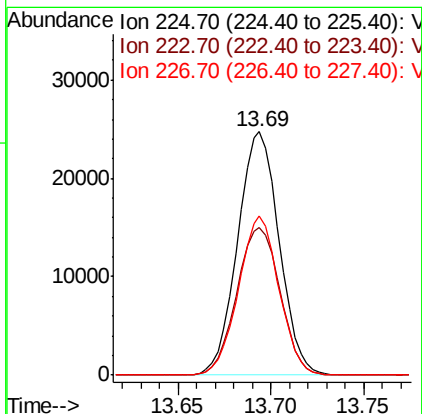
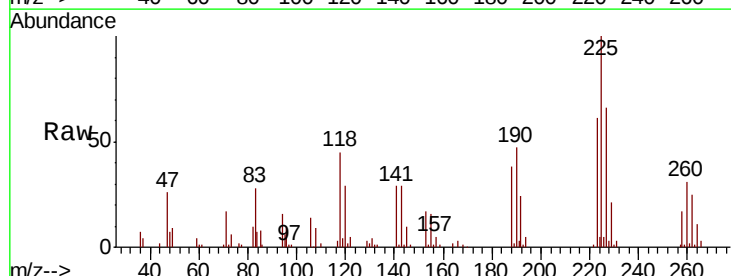
Manual Integrations
 APPROVED

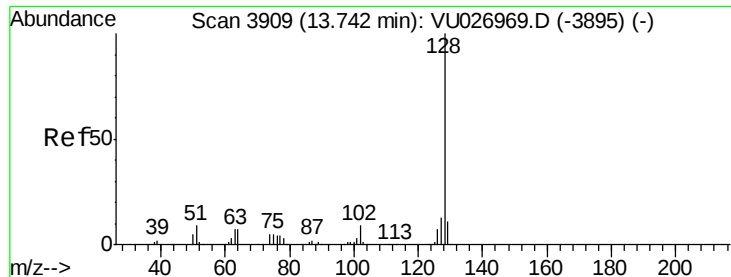
MMDadoda
 9/24/2018 2:14:21 PM



#94
 Hexachlorobutadiene
 Concen: 45.458 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. -0.00 min
 Lab File: VU027013.D
 Acq: 22 Sep 2018 14:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.9	95.7
227	63.6	32.1	96.5





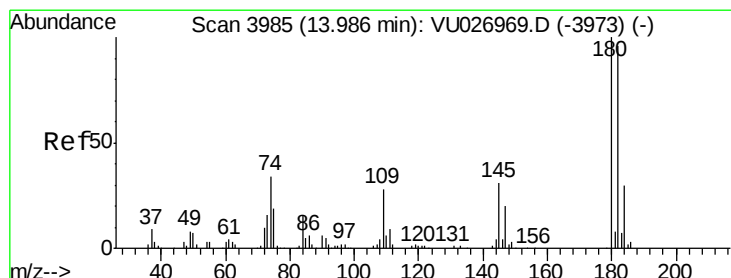
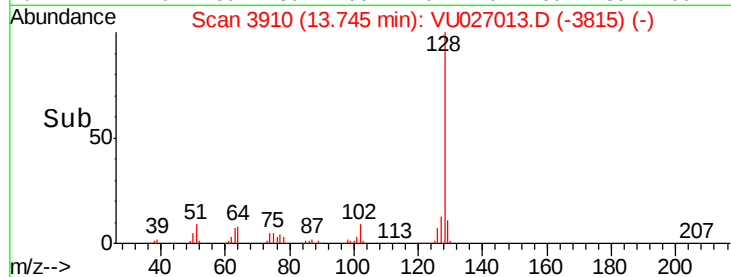
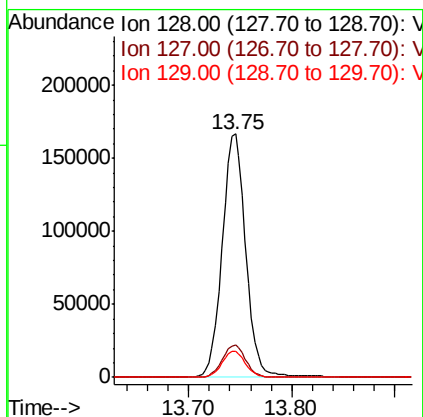
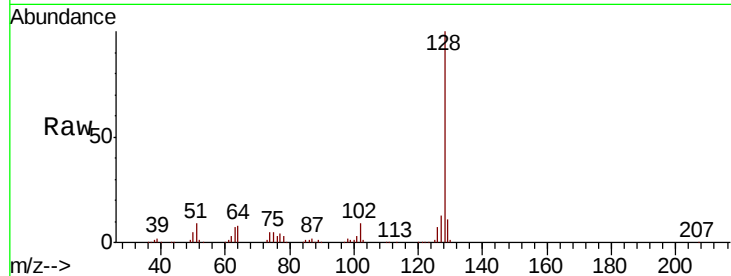
#95
Naphthalene
Concen: 42.719 ug/l
RT: 13.75 min Scan# 3910
Delta R.T. 0.00 min
Lab File: VU027013.D
Acq: 22 Sep 2018 14:04

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/24/2018 2:14:21 PM



#96
1,2,3-Trichlorobenzene
Concen: 46.394 ug/l
RT: 13.99 min Scan# 3986
Delta R.T. 0.00 min
Lab File: VU027013.D
Acq: 22 Sep 2018 14:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.5	142.5
145	31.3	15.4	46.4

