

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092318\
 Data File : VU027041.D
 Acq On : 23 Sep 2018 01:28
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 82 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/24/2018 4:40:30 PM

Quant Time: Sep 24 06:05:14 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	82922	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	139324	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	137407	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	76145	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	85126	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
35) Dibromofluoromethane	4.88	113	60262	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	
50) Toluene-d8	7.57	98	232730	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
62) 4-Bromofluorobenzene	10.31	95	85151	53.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	50402	46.554	ug/l	97
3) Chloromethane	1.33	50	85341	45.720	ug/l	99
4) Vinyl Chloride	1.40	62	83628	47.996	ug/l	99
5) Bromomethane	1.61	94	43558	43.899	ug/l	98
6) Chloroethane	1.69	64	55227	49.607	ug/l	97
7) Trichlorofluoromethane	1.88	101	96195	48.609	ug/l	98
8) Diethyl Ether	2.10	74	47197	49.549	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.29	101	58309	47.920	ug/l	98
10) Methyl Iodide	2.41	142	63533	42.099	ug/l	100
11) Tert butyl alcohol	2.83	59	99349	259.713	ug/l	99
12) 1,1-Dichloroethene	2.28	96	54730	47.788	ug/l	96
13) Acrolein	2.20	56	50986	247.252	ug/l	98
14) Allyl chloride	2.59	41	123242	53.055	ug/l	98
15) Acrylonitrile	2.94	53	251331	260.681	ug/l	98
16) Acetone	2.32	43	224134	253.023	ug/l	99
17) Carbon Disulfide	2.48	76	175288	46.982	ug/l	100
18) Methyl Acetate	2.61	43	127947	53.862	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	224340	53.305	ug/l	100
20) Methylene Chloride	2.70	84	70930	47.455	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	61420	50.230	ug/l	99
22) Diisopropyl ether	3.57	45	276369	55.625	ug/l	99
23) Vinyl Acetate	3.53	43	1183517	279.446	ug/l	99
24) 1,1-Dichloroethane	3.45	63	141866	51.843	ug/l	99
25) 2-Butanone	4.26	43	362876	258.724	ug/l	99
26) 2,2-Dichloropropane	4.23	77	88813	41.616	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	70197	50.834	ug/l	99
28) Bromochloromethane	4.55	49	74051	56.138	ug/l	95
29) Tetrahydrofuran	4.64	42	236678	278.952	ug/l	97
30) Chloroform	4.67	83	126673	49.870	ug/l	99
31) Cyclohexane	5.00	56	128817	51.807	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	104180	51.370	ug/l	100
36) 1,1-Dichloropropene	5.14	75	95032	51.108	ug/l	98
37) Ethyl Acetate	4.38	43	131478	52.232	ug/l	99
38) Carbon Tetrachloride	5.13	117	87310	49.342	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	108657	53.772	ug/l	99
40) Benzene	5.39	78	285730	50.548	ug/l	100
41) Methacrylonitrile	4.54	41	74212	56.768	ug/l	98
42) 1,2-Dichloroethane	5.40	62	110862	51.910	ug/l	99
43) Isopropyl Acetate	5.55	43	201229	54.816	ug/l	99
44) Trichloroethene	6.19	130	61049	50.731	ug/l	98
45) 1,2-Dichloropropane	6.43	63	84279	52.326	ug/l	99
46) Dibromomethane	6.56	93	49191	50.569	ug/l	97
47) Bromodichloromethane	6.76	83	98347	50.000	ug/l	99
48) Methyl methacrylate	6.62	41	103939	51.979	ug/l	98
49) 1,4-Dioxane	6.61	88	40917	1031.212	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	697249	282.404	ug/l	99
52) Toluene	7.64	92	171385	52.895	ug/l	97
53) t-1,3-Dichloropropene	7.88	75	111631	52.823	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	122420	52.685	ug/l	100
55) 1,1,2-Trichloroethane	8.07	97	69895	50.910	ug/l	98
56) Ethyl methacrylate	8.02	69	118388	49.711	ug/l	97
57) 1,3-Dichloropropane	8.24	76	135473	53.054	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	343468	253.982	ug/l	99
59) 2-Hexanone	8.36	43	528218	273.311	ug/l	100
60) Dibromochloromethane	8.48	129	70396	52.274	ug/l	99
61) 1,2-Dibromoethane	8.59	107	74012	51.812	ug/l	99
64) Tetrachloroethene	8.23	164	52447	49.534	ug/l	97
65) Chlorobenzene	9.12	112	178110	48.886	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	64574	51.457	ug/l	99
67) Ethyl Benzene	9.25	91	324525	54.168	ug/l	99
68) m/p-Xylenes	9.38	106	241550	99.561	ug/l	98
69) o-Xylene	9.78	106	115885	54.593	ug/l	98
70) Styrene	9.79	104	196819	49.671	ug/l	99
71) Bromoform	9.96	173	50631	52.174	ug/l #	99
73) Isopropylbenzene	10.17	105	318864	55.050	ug/l	99
74) N-amyl acetate	10.02	43	185863	55.435	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	124408	46.715	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	107393m	46.425	ug/l	
77) Bromobenzene	10.45	156	72339	51.107	ug/l	97
78) n-propylbenzene	10.59	91	386019	56.324	ug/l	99
79) 2-Chlorotoluene	10.66	91	228354	53.045	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	265132	55.451	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	34532m	47.772	ug/l	
82) 4-Chlorotoluene	10.77	91	259486	53.757	ug/l	99
83) tert-Butylbenzene	11.10	119	250998	53.097	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	271376	55.770	ug/l	99
85) sec-Butylbenzene	11.32	105	321464	55.709	ug/l	100
86) p-Isopropyltoluene	11.48	119	273108	50.431	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	130980	49.727	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	135433	47.177	ug/l	99
89) n-Butylbenzene	11.89	91	257096	49.031	ug/l	99
90) Hexachloroethane	12.15	117	50900	48.507	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	133726	47.795	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	27551	50.712	ug/l	99

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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)
93) 1,2,4-Trichlorobenzene	13.50	180	85702	53.153	ug/l	98
94) Hexachlorobutadiene	13.69	225	41267	48.372	ug/l	98
95) Naphthalene	13.74	128	313306	49.709	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	90934	52.591	ug/l	99

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

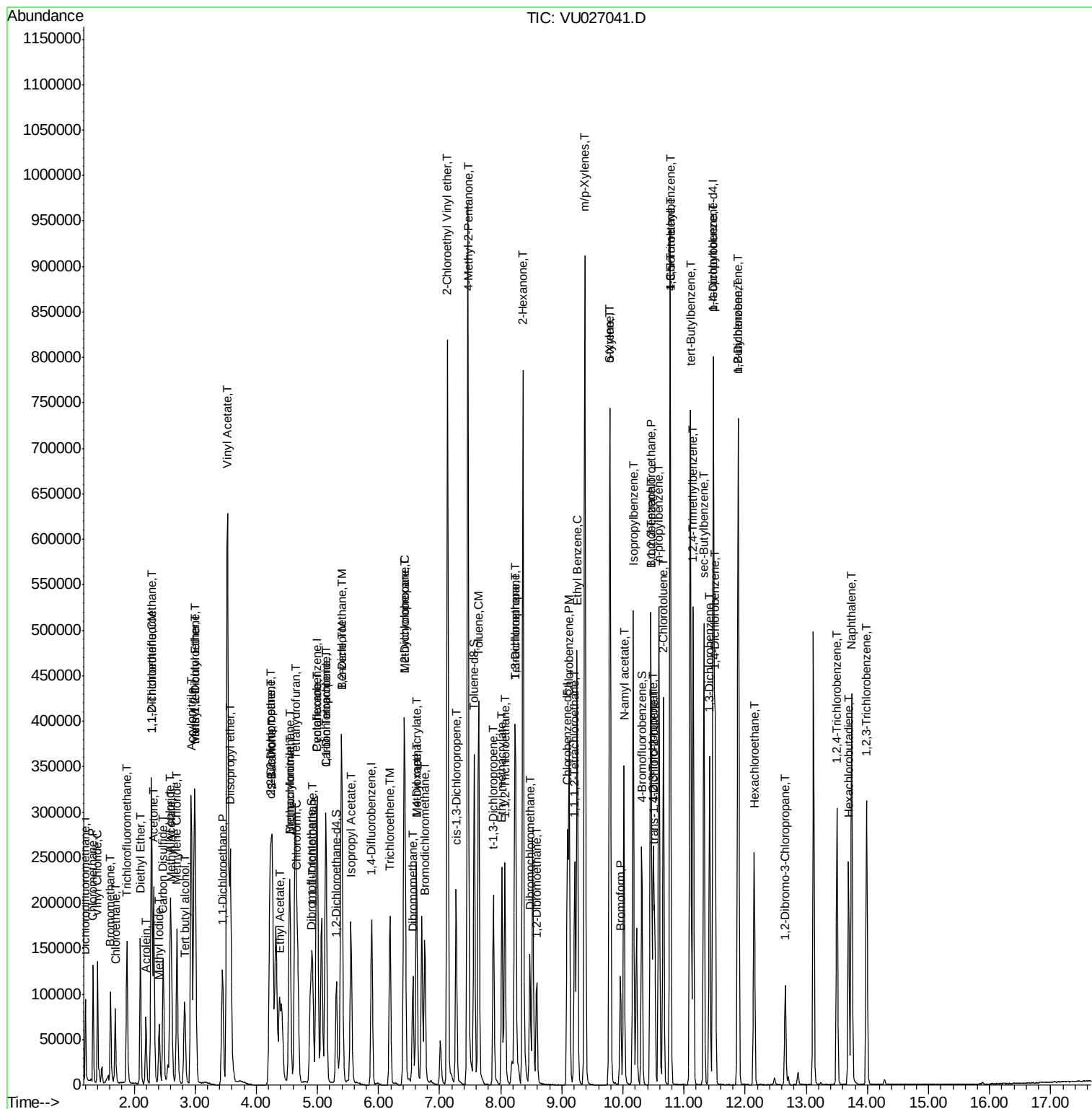
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092318\
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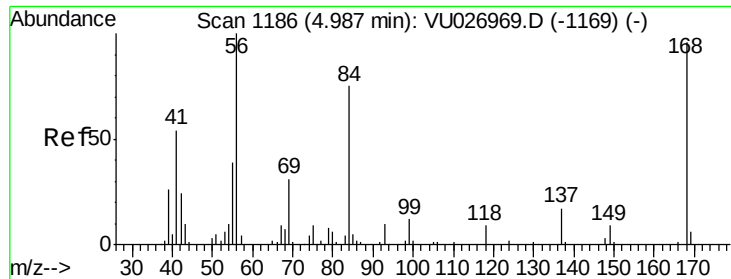
Instrument :
MSVOA_U
ClientSampleID :
VSTDCCC050

Manual Integrations
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Quant Title : SW846 8260
QLast Update : Sat Sep 22 01:31:57 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU027041.D

Acq: 23 Sep 2018 01:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 82922

Ion Ratio Lower Upper

168 100

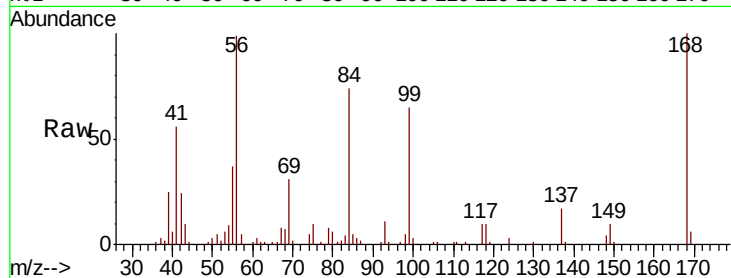
99 63.9 48.1 72.1

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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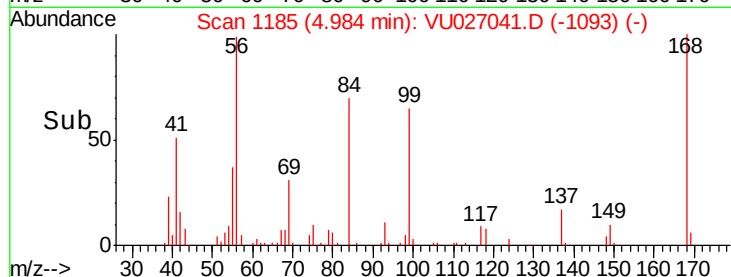
4.98

4.98

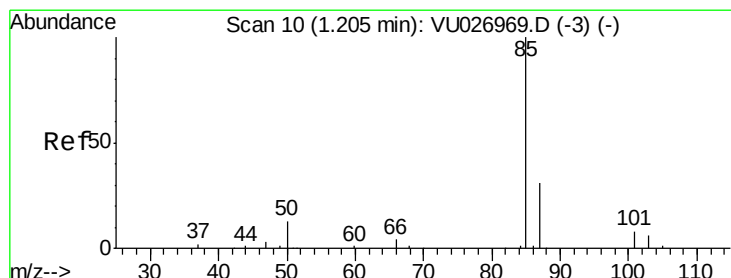
4.98

4.98

4.98



Time-->



#2

Dichlorodifluoromethane

Concen: 46.554 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027041.D

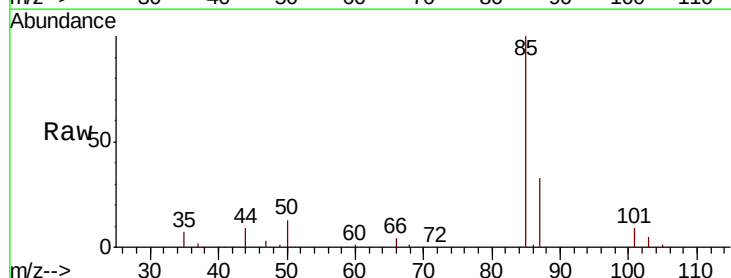
Acq: 23 Sep 2018 01:28

Tgt Ion: 85 Resp: 50402

Ion Ratio Lower Upper

85 100

87 32.9 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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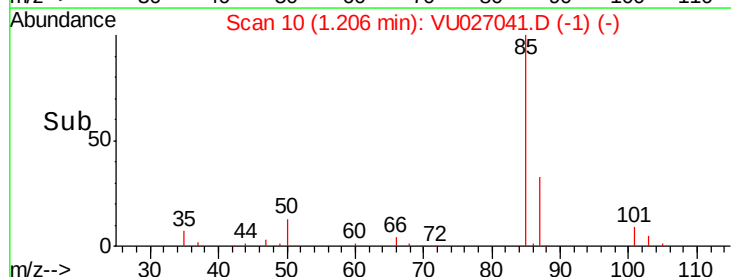
1.21

1.21

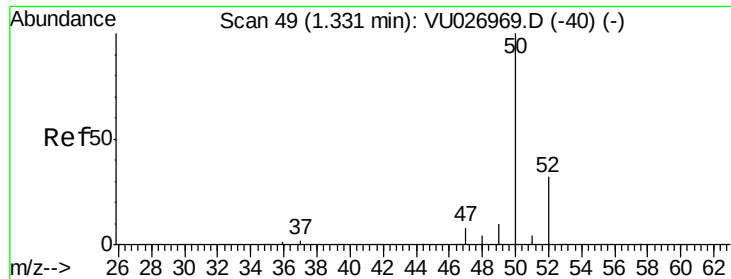
1.21

1.21

1.21



Time-->



#3

Chloromethane

Concen: 45.720 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU027041.D

Acq: 23 Sep 2018 01:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 85341

Ion Ratio Lower Upper

50 100

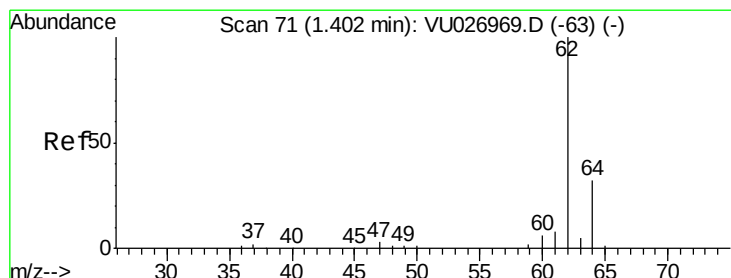
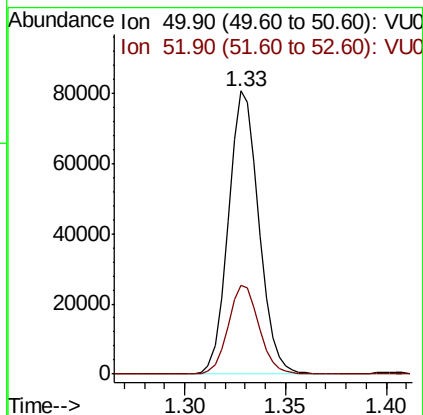
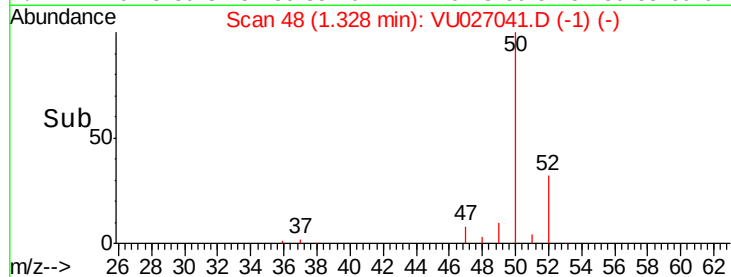
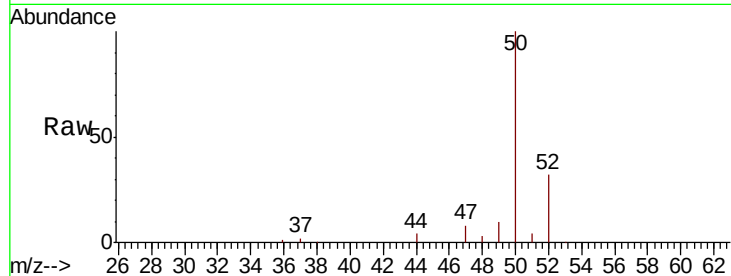
52 31.6 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.996 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027041.D

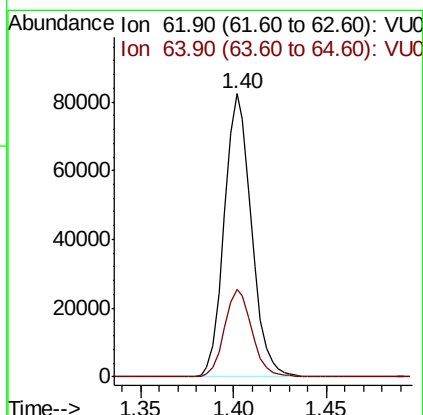
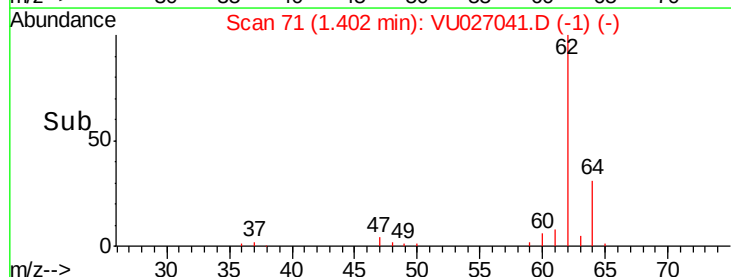
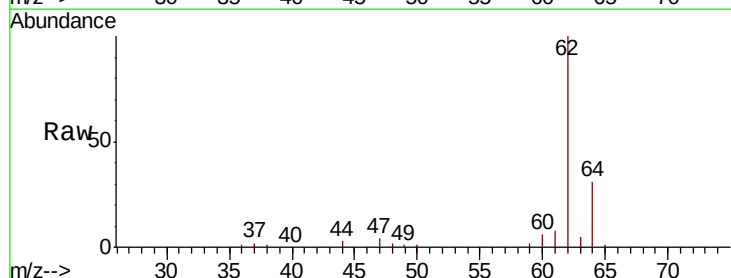
Acq: 23 Sep 2018 01:28

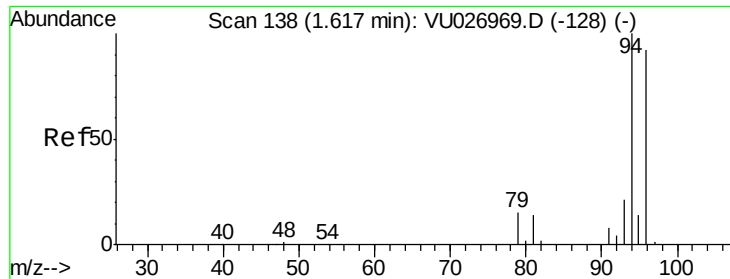
Tgt Ion: 62 Resp: 83628

Ion Ratio Lower Upper

62 100

64 31.1 25.5 38.3





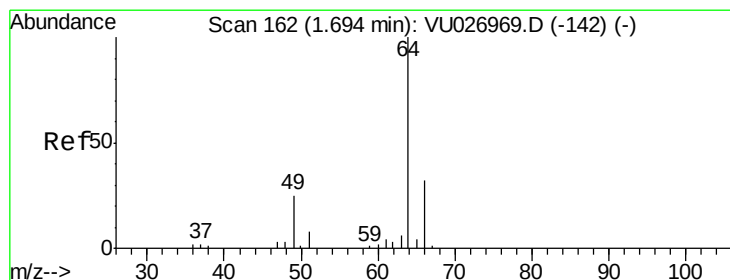
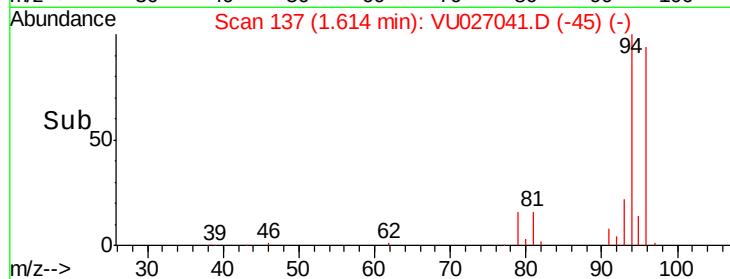
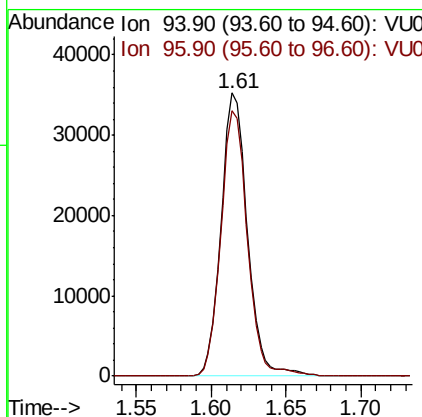
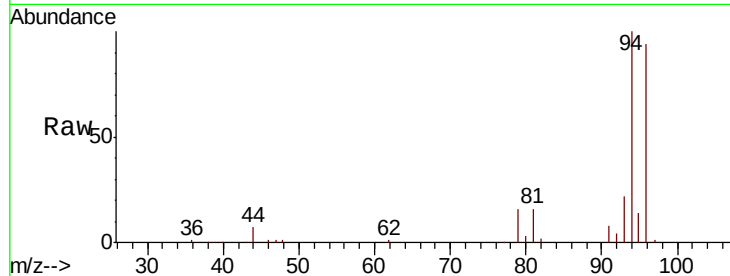
#5
Bromomethane
Concen: 43.899 ug/l
RT: 1.61 min Scan# 137
Delta R.T. -0.00 min
Lab File: VU027041.D
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Tot Ion: 94 Resp: 43558
Ion Ratio Lower Upper
94 100
96 93.8 73.2 109.8

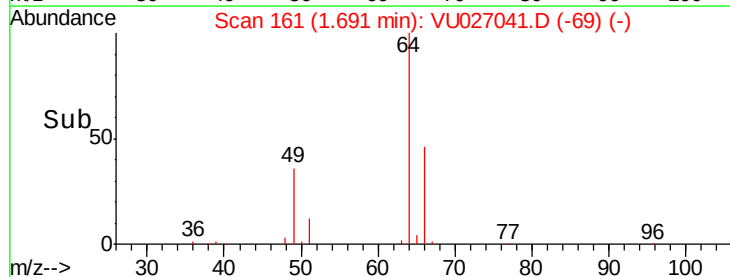
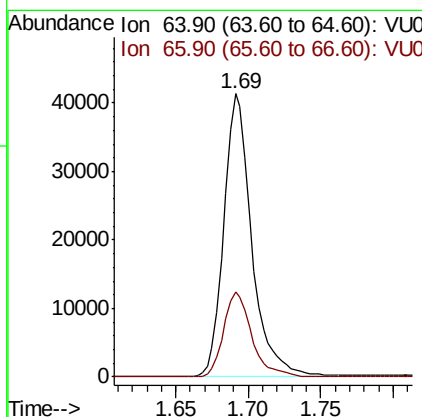
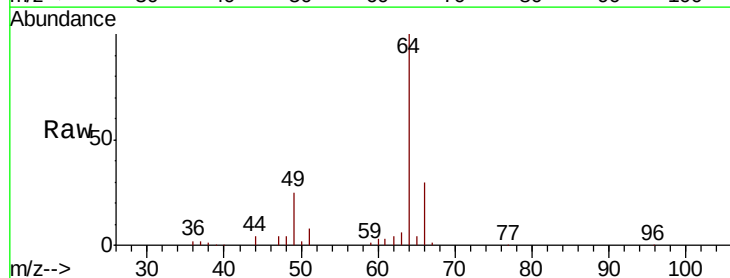
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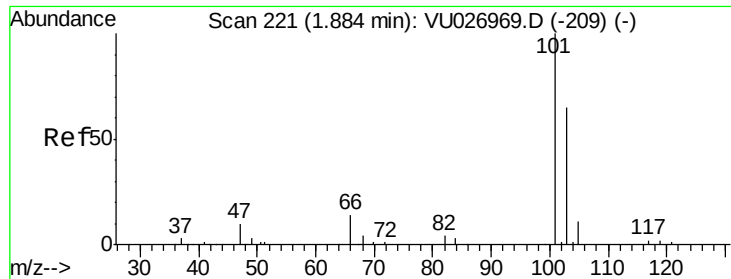
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#6
Chloroethane
Concen: 49.607 ug/l
RT: 1.69 min Scan# 161
Delta R.T. -0.00 min
Lab File: VU027041.D
Acq: 23 Sep 2018 01:28

Tgt Ion: 64 Resp: 55227
Ion Ratio Lower Upper
64 100
66 29.9 25.3 37.9





#7

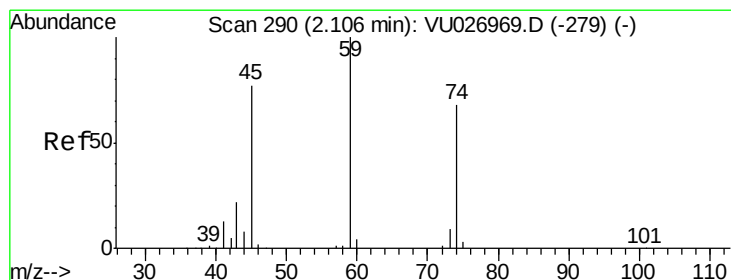
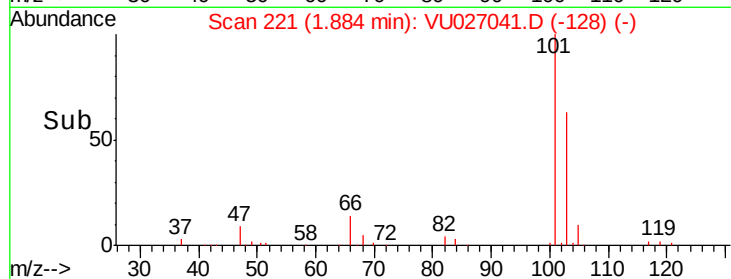
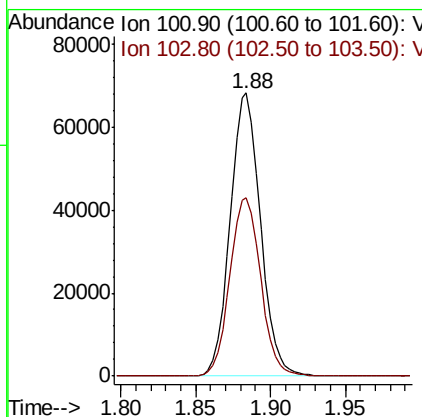
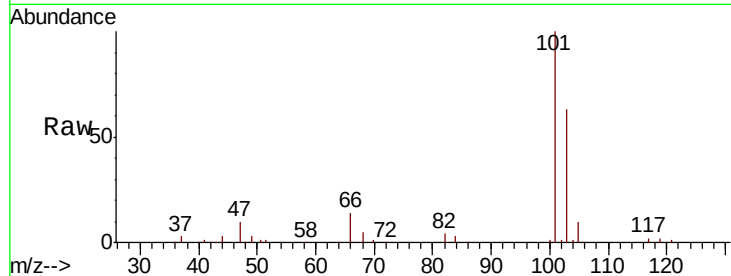
Trichlorofluoromethane
 Concen: 48.609 ug/l
 RT: 1.88 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VU027041.D
 Acq: 23 Sep 2018 01:28

Instrument :
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 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.2	52.2	78.2

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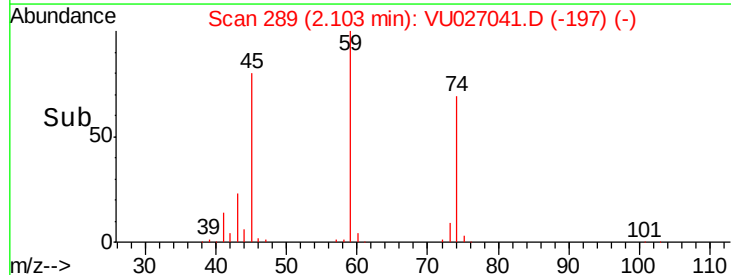
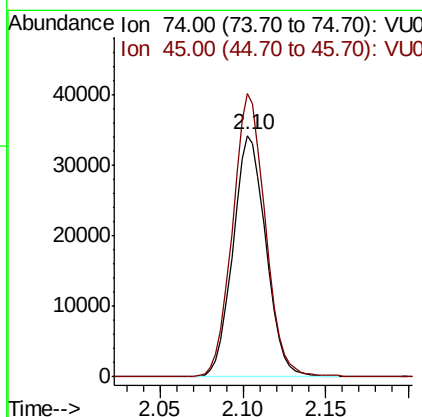
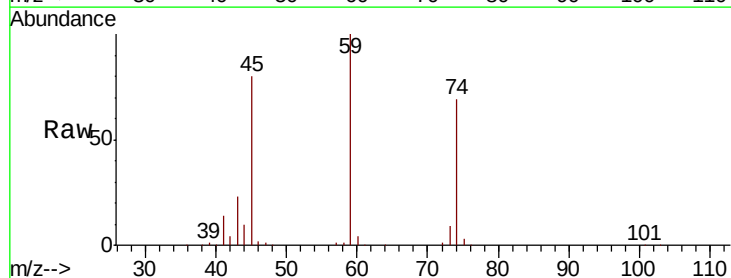
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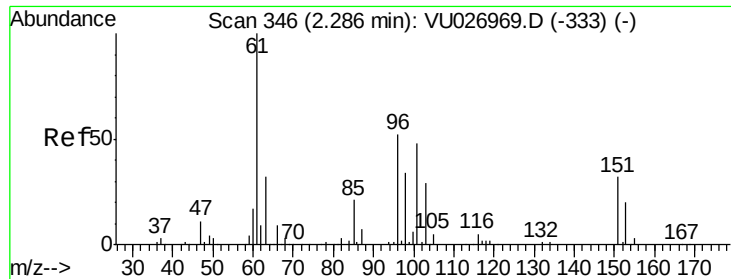


#8

Diethyl Ether
 Concen: 49.549 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU027041.D
 Acq: 23 Sep 2018 01:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	117.0	56.9	170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.920 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU027041.D

Acq: 23 Sep 2018 01:28

Instrument :

MSVOA_U

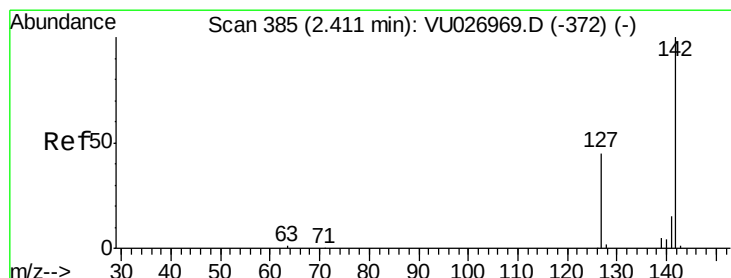
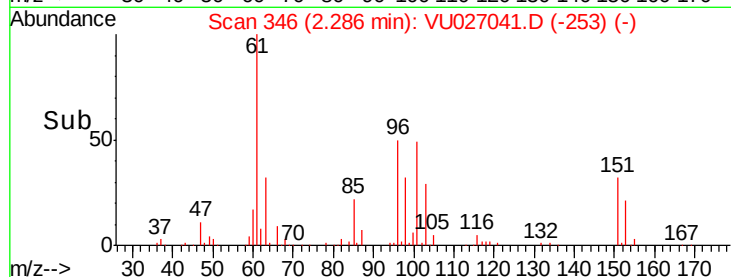
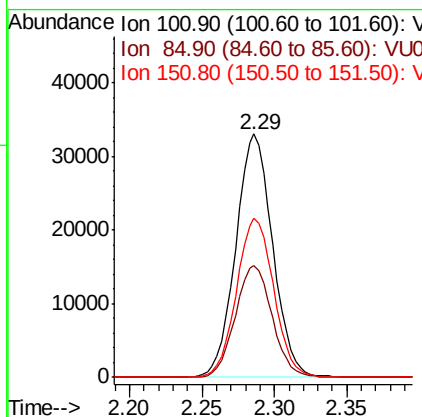
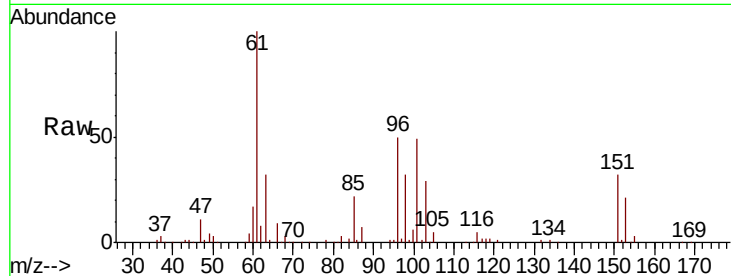
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	58309
Ion Ratio	Lower	Upper	
101	100		
85	45.8	36.2	54.2
151	66.0	54.5	81.7

Manual Integrations
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#10

Methyl Iodide

Concen: 42.099 ug/l

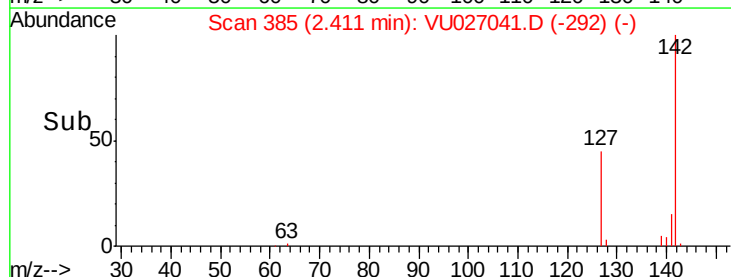
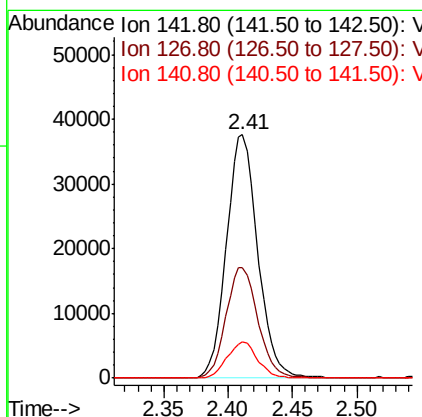
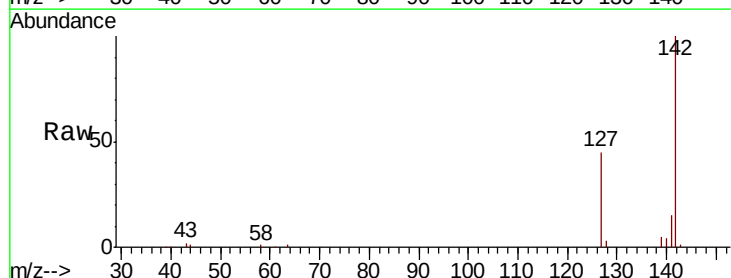
RT: 2.41 min Scan# 385

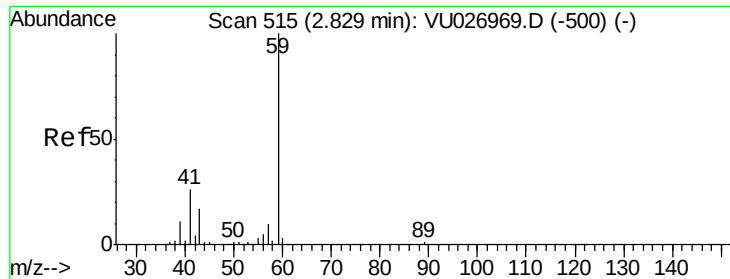
Delta R.T. 0.00 min

Lab File: VU027041.D

Acq: 23 Sep 2018 01:28

Tgt Ion:	142	Resp:	63533
Ion Ratio	Lower	Upper	
142	100		
127	46.2	36.7	55.1
141	14.5	11.8	17.6





#11

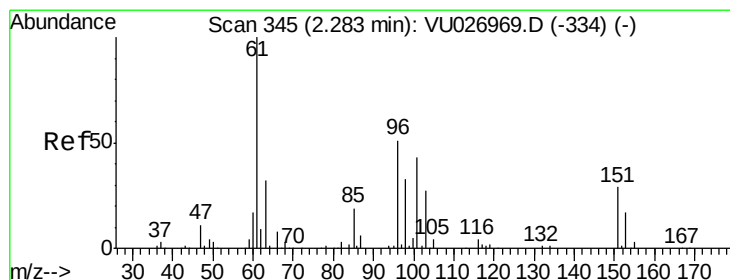
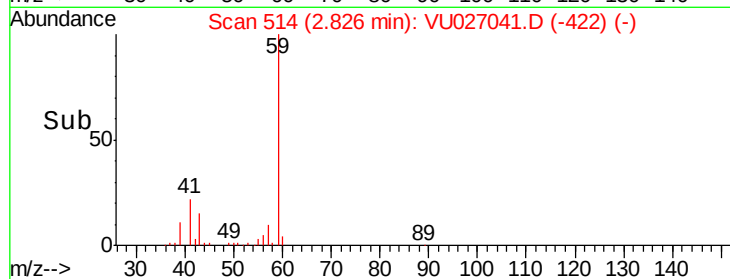
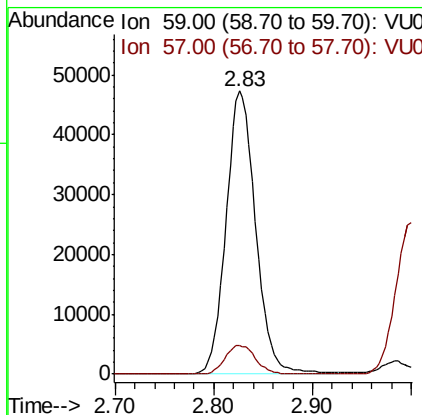
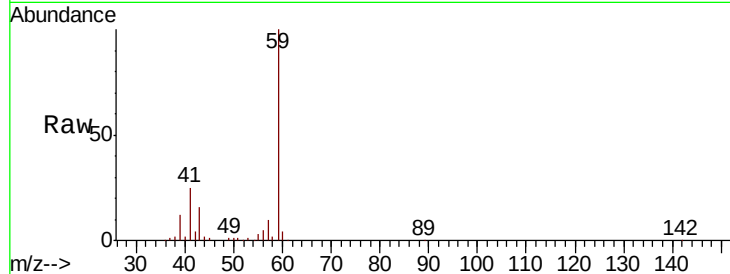
Tert butyl alcohol
 Concen: 259.713 ug/l
 RT: 2.83 min Scan# 514
 Delta R.T. -0.00 min
 Lab File: VU027041.D
 Acq: 23 Sep 2018 01:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	59	Resp	99349
Ion Ratio	100	Lower	Upper
57	10.4	8.5	12.7

Manual Integrations
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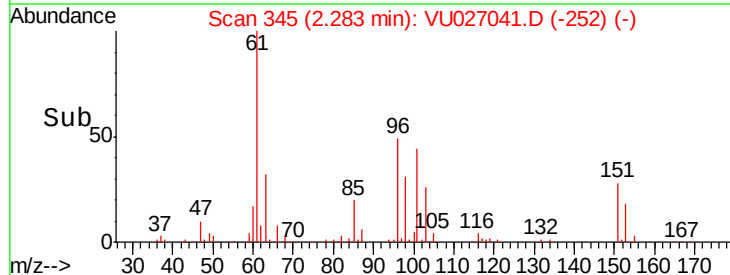
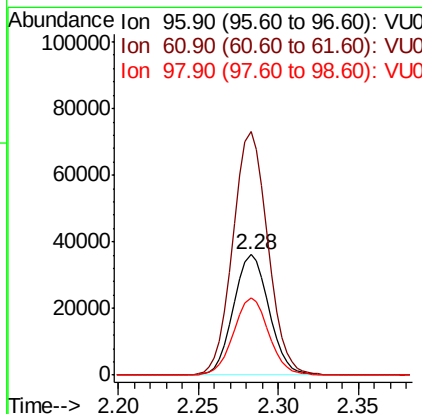
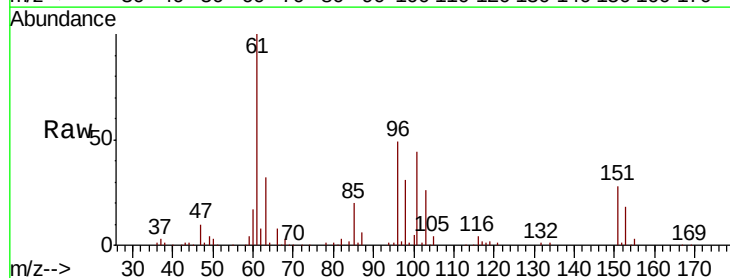
MMDadoda
 9/24/2018 4:40:30 PM

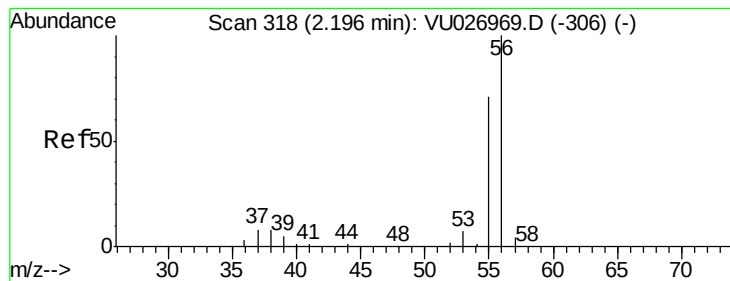


#12

1,1-Dichloroethene
 Concen: 47.788 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VU027041.D
 Acq: 23 Sep 2018 01:28

Tgt Ion	96	Resp	54730
Ion Ratio	100	Lower	Upper
61	202.3	156.1	234.1
98	63.6	51.4	77.0





#13

Acrolein

Concen: 247.252 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU027041.D

Acq: 23 Sep 2018 01:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 50986

Ion Ratio Lower Upper

56 100

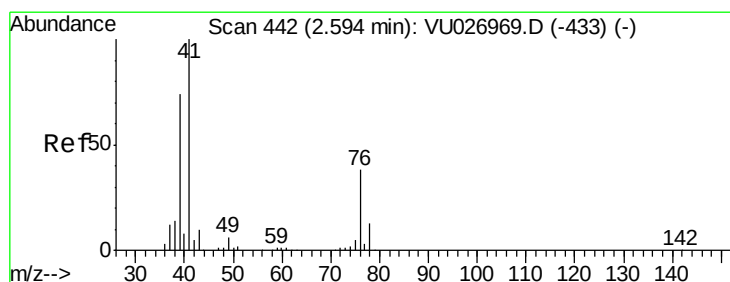
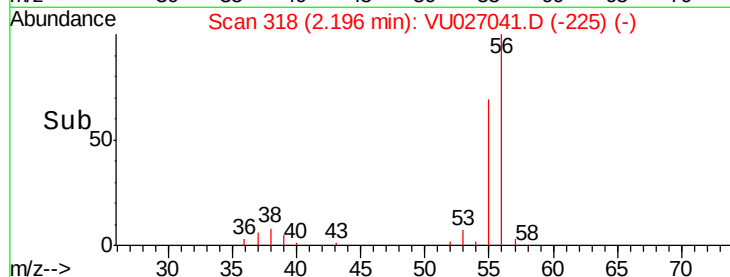
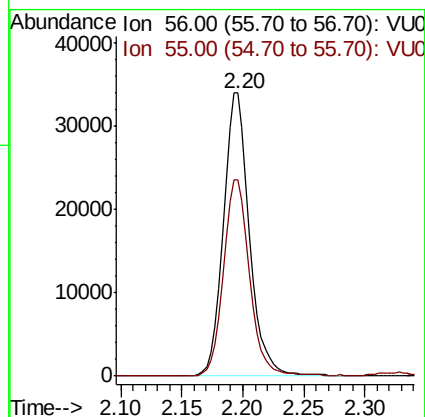
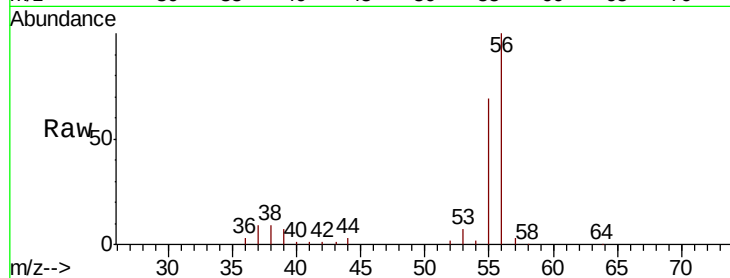
55 69.9 57.1 85.7

Manual Integrations

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#14

Allyl chloride

Concen: 53.055 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU027041.D

Acq: 23 Sep 2018 01:28

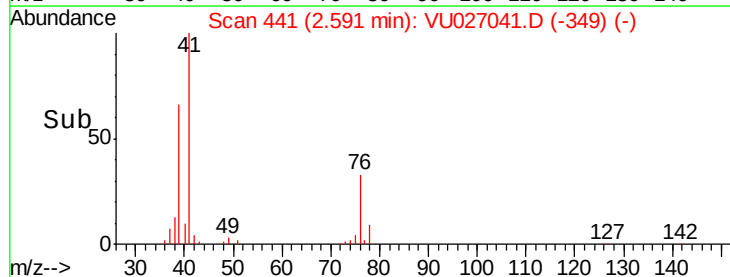
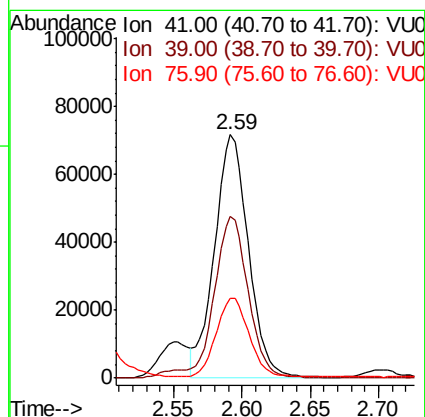
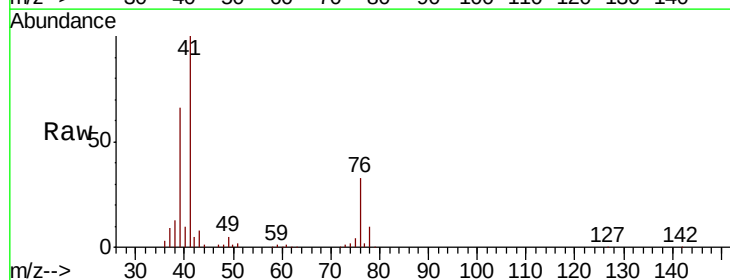
Tgt Ion: 41 Resp: 123242

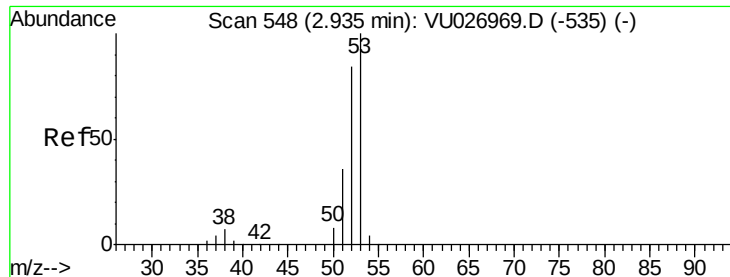
Ion Ratio Lower Upper

41 100

39 68.4 55.7 83.5

76 31.6 26.5 39.7





#15

Acrylonitrile

Concen: 260.681 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU027041.D

Acq: 23 Sep 2018 01:28

Instrument :

MSVOA_U

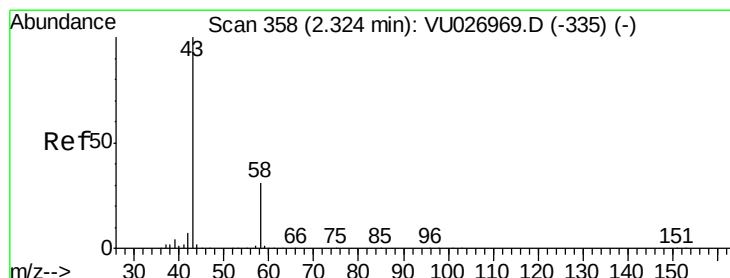
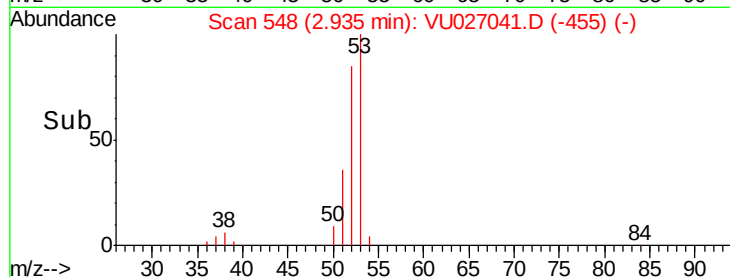
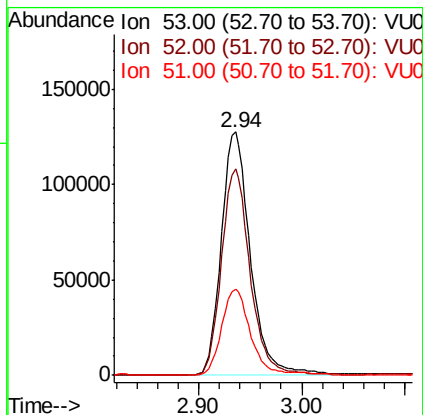
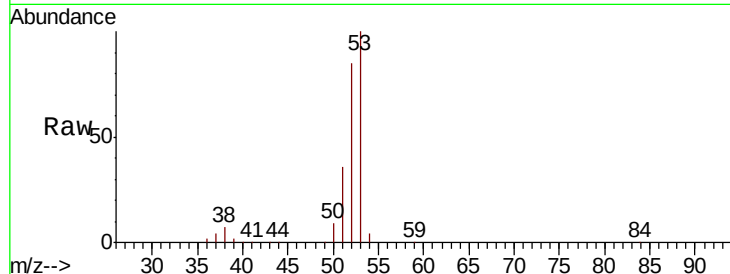
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	251331
Ion	Ratio	Lower	Upper
53	100		
52	83.9	65.7	98.5
51	35.6	27.4	41.2

Manual Integrations
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#16

Acetone

Concen: 253.023 ug/l

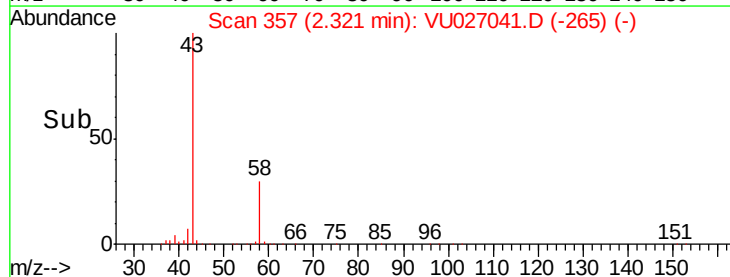
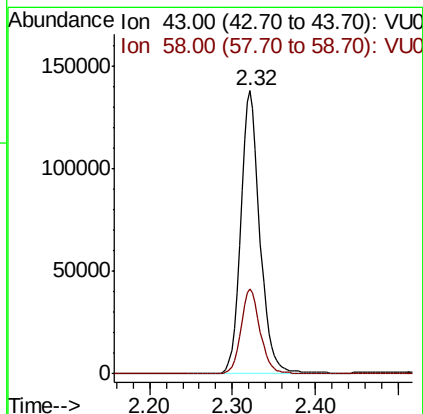
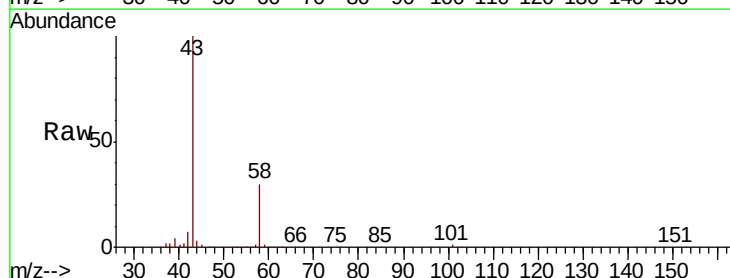
RT: 2.32 min Scan# 357

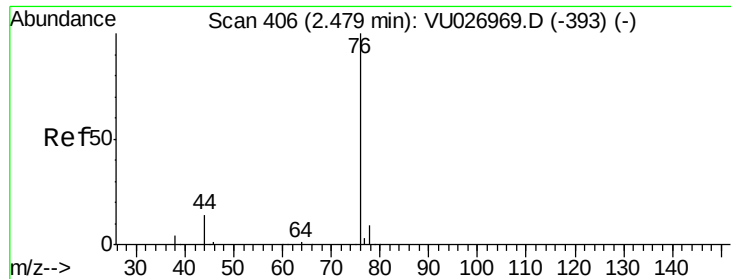
Delta R.T. -0.00 min

Lab File: VU027041.D

Acq: 23 Sep 2018 01:28

Tgt Ion:	43	Resp:	224134
Ion	Ratio	Lower	Upper
43	100		
58	30.0	24.6	36.8





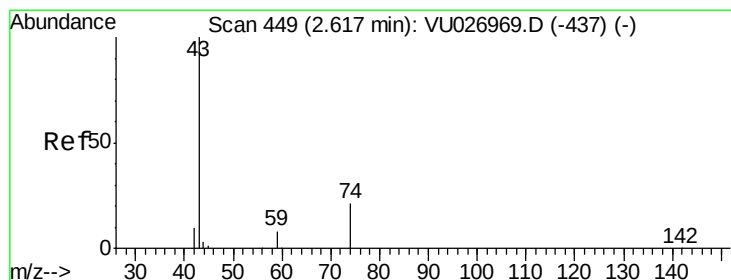
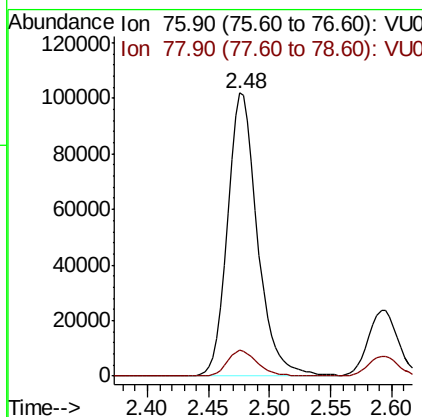
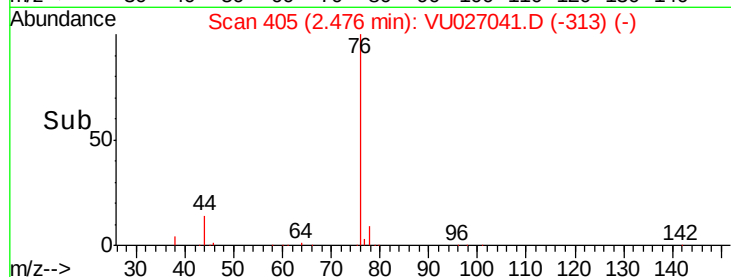
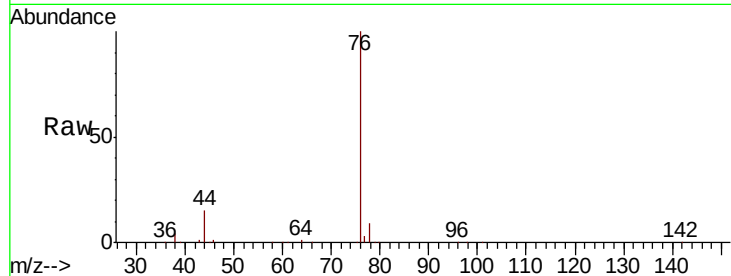
#17
Carbon Disulfide
Concen: 46.982 ug/l
RT: 2.48 min Scan# 405
Delta R.T. -0.00 min
Lab File: VU027041.D
Acq: 23 Sep 2018 01:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7

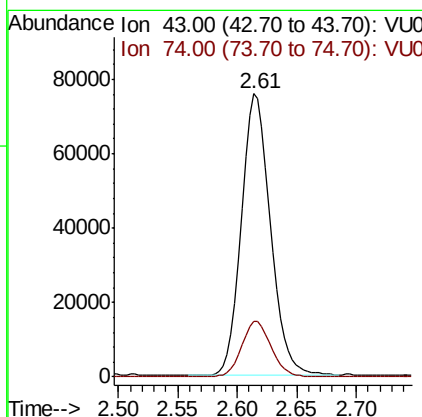
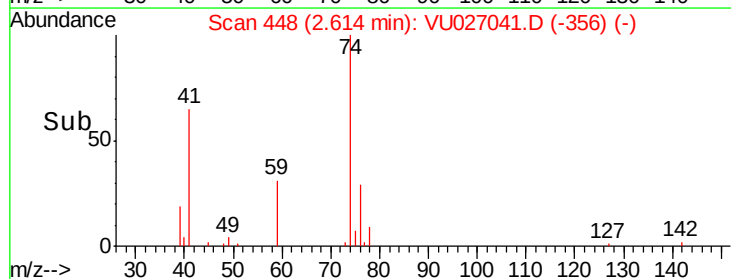
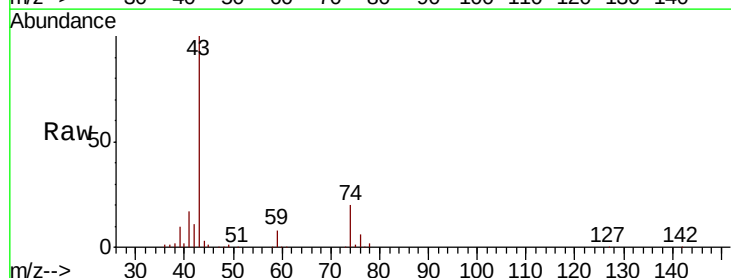
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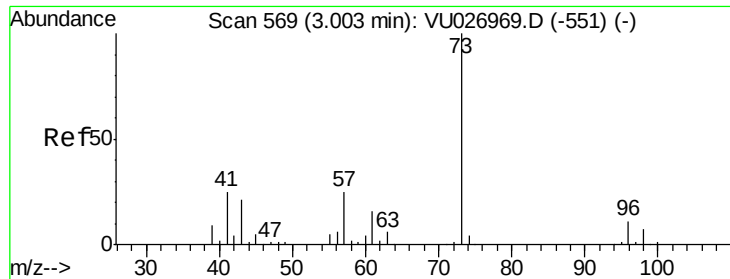
MMDadoda
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#18
Methyl Acetate
Concen: 53.862 ug/l
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU027041.D
Acq: 23 Sep 2018 01:28

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.3	16.6	25.0





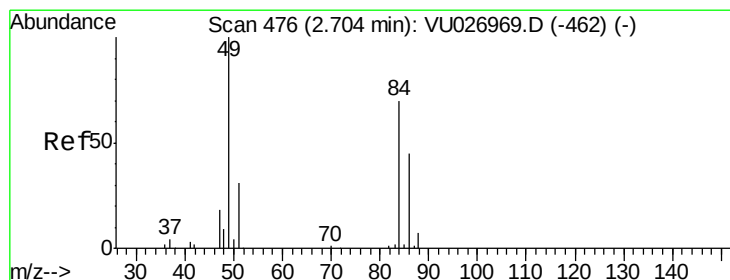
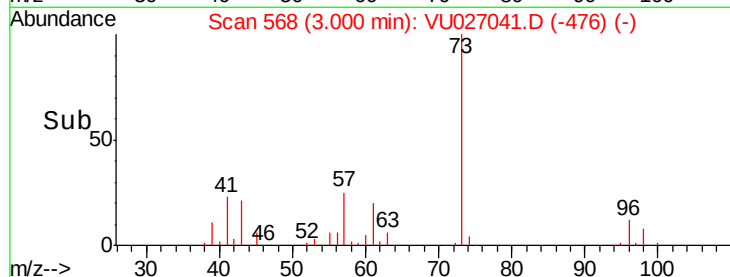
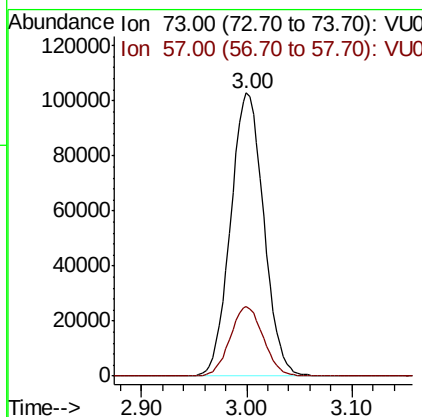
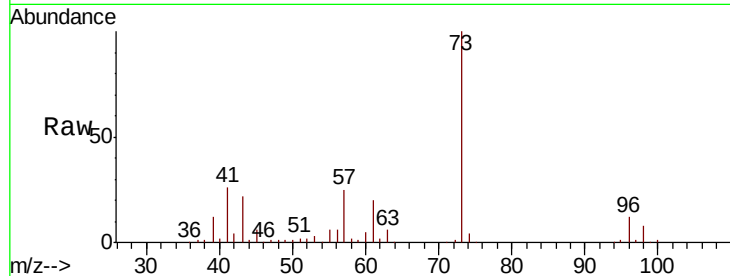
#19
Methyl tert-butyl Ether
Concen: 53.305 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU027041.D
Acq: 23 Sep 2018 01:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.7	19.8	29.6

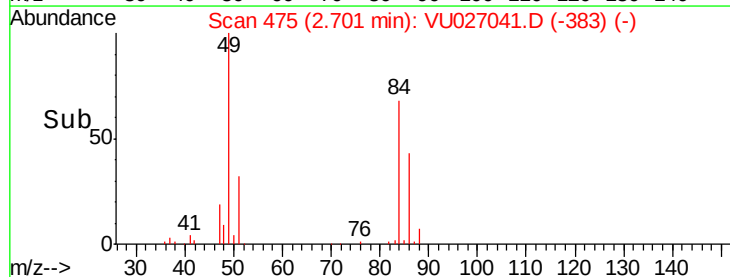
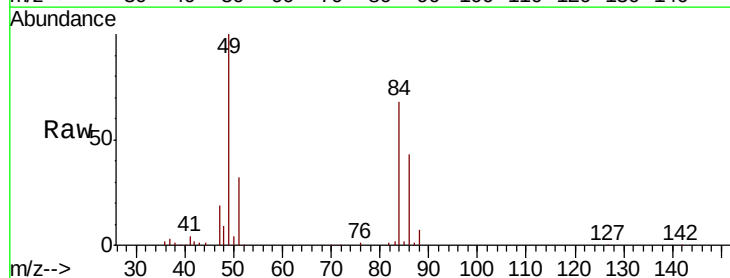
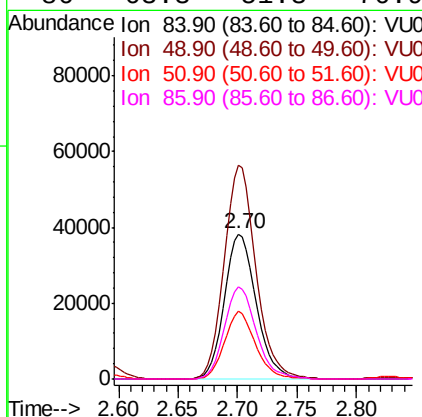
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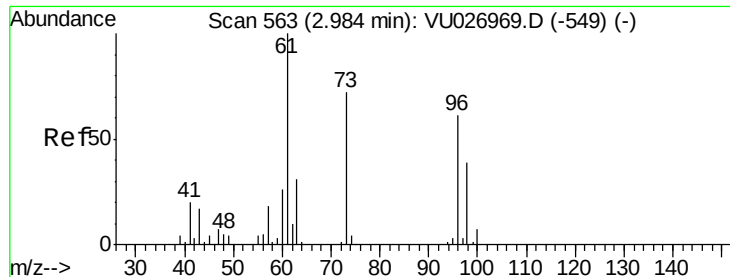
MMDadoda
9/24/2018 4:40:30 PM



#20
Methylene Chloride
Concen: 47.455 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU027041.D
Acq: 23 Sep 2018 01:28

Tgt Ion	Ratio	Lower	Upper
84	100		
49	147.5	114.9	172.3
51	46.6	35.8	53.8
86	63.3	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 50.230 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU027041.D

Acq: 23 Sep 2018 01:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 61420

Ion Ratio Lower Upper

96 100

61 163.4 131.8 197.6

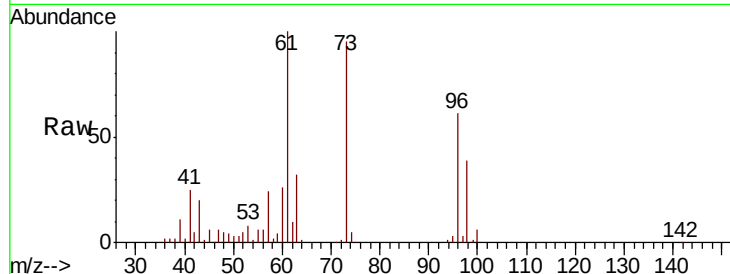
98 63.4 50.9 76.3

Manual Integrations

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MMDadoda

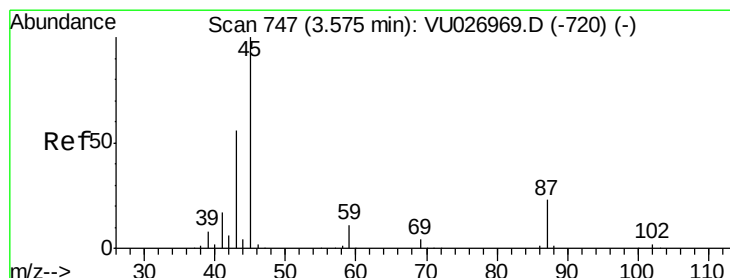
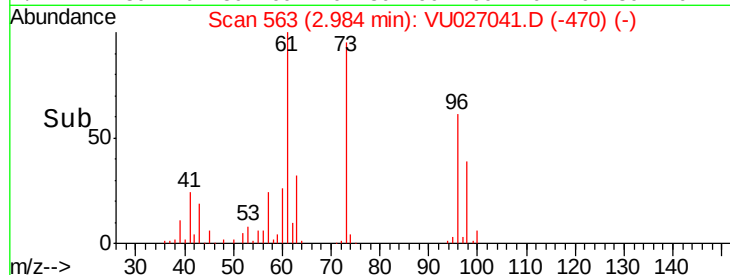
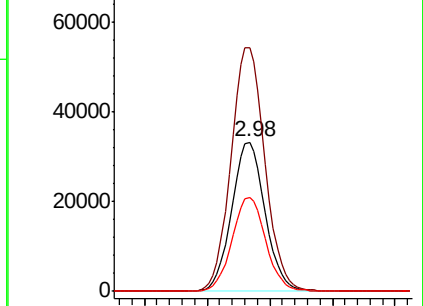
9/24/2018 4:40:30 PM



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 55.625 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU027041.D

Acq: 23 Sep 2018 01:28

Tgt Ion: 45 Resp: 276369

Ion Ratio Lower Upper

45 100

43 57.0 45.8 68.6

87 22.1 18.6 28.0

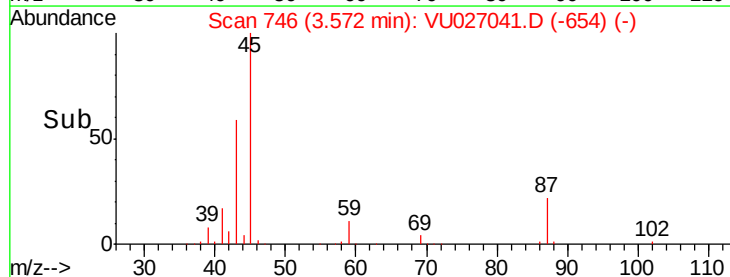
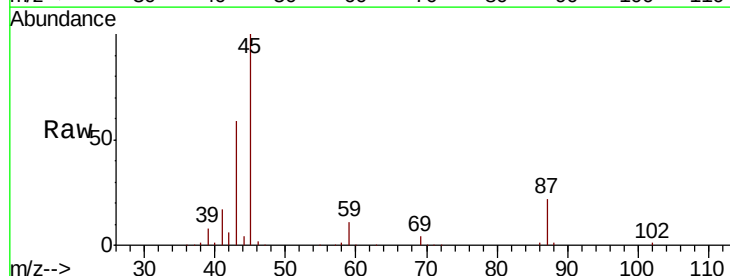
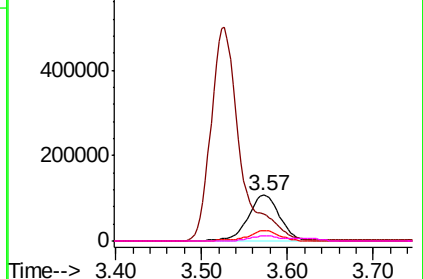
59 11.4 9.0 13.4

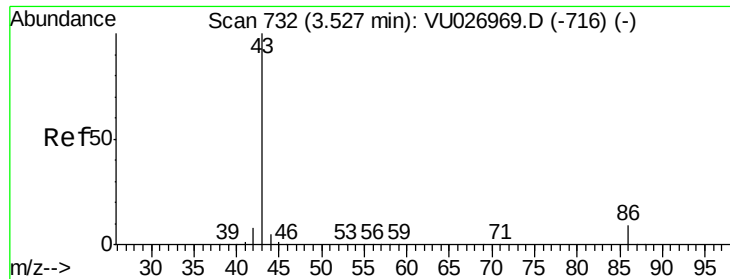
Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 279.446 ug/l

RT: 3.53 min Scan# 732

Delta R.T. 0.00 min

Lab File: VU027041.D

Acq: 23 Sep 2018 01:28

Tot Ion: 43 Resp: 1183517

Ion Ratio Lower Upper

43 100

86 8.5 7.2 10.8

Instrument :

MSVOA_U

ClientSampleId :

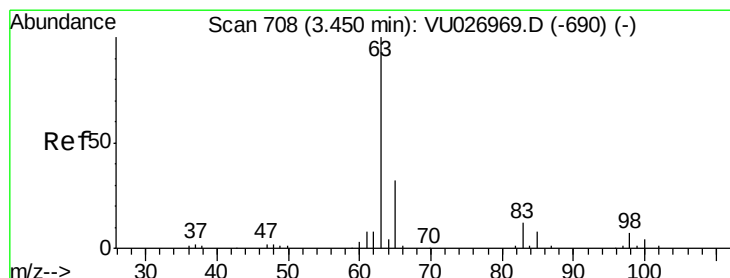
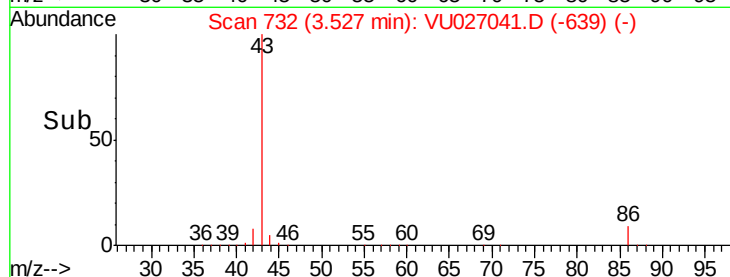
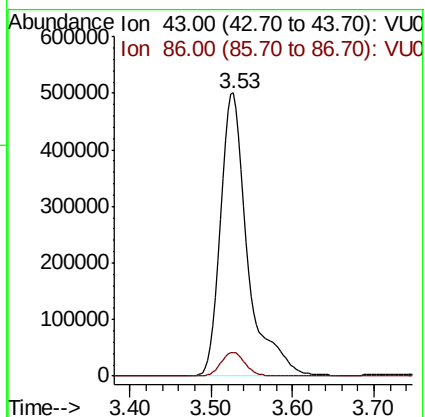
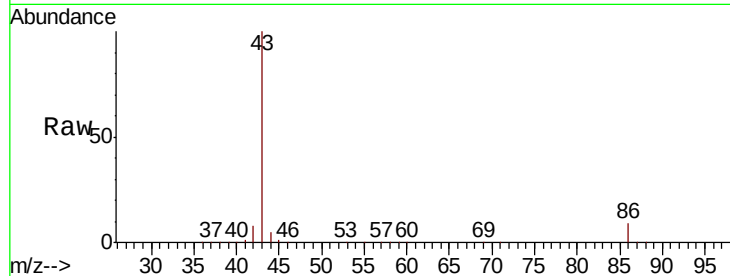
VSTDCCC050

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 51.843 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027041.D

Acq: 23 Sep 2018 01:28

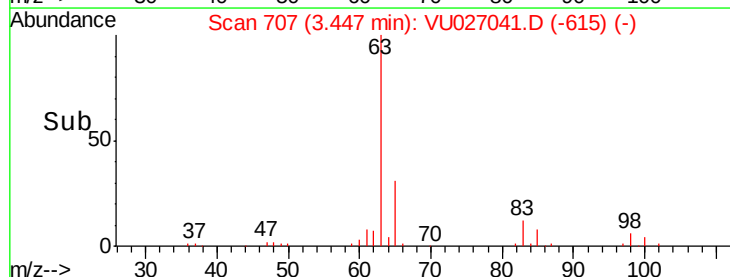
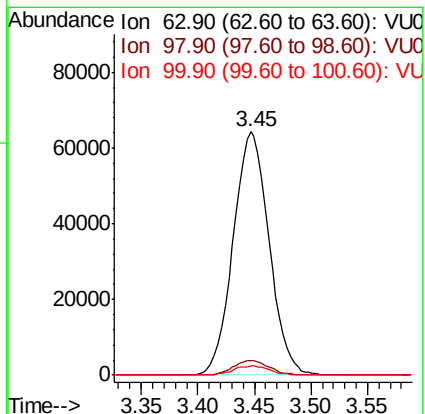
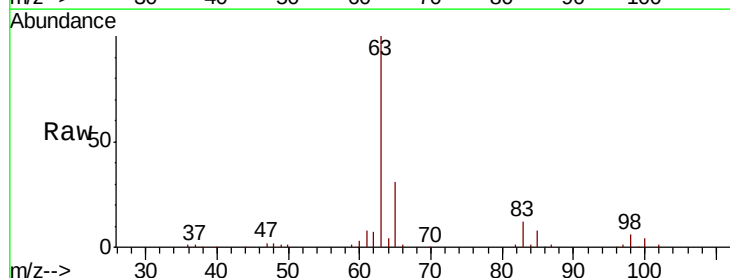
Tgt Ion: 63 Resp: 141866

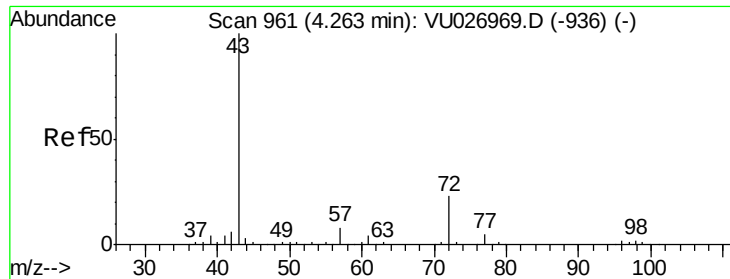
Ion Ratio Lower Upper

63 100

98 6.0 3.3 9.8

100 3.7 2.0 5.8





#25

2-Butanone

Concen: 258.724 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU027041.D

Acq: 23 Sep 2018 01:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 362876

Ion Ratio Lower Upper

43 100

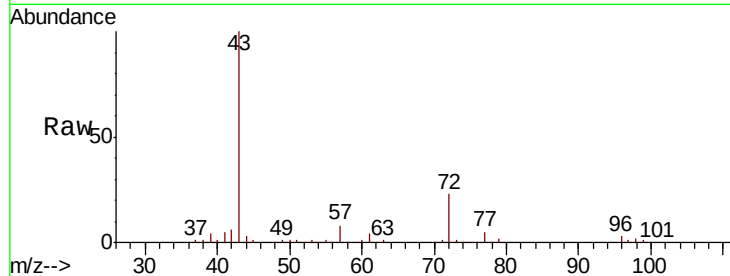
72 22.7 18.4 27.6

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

150000

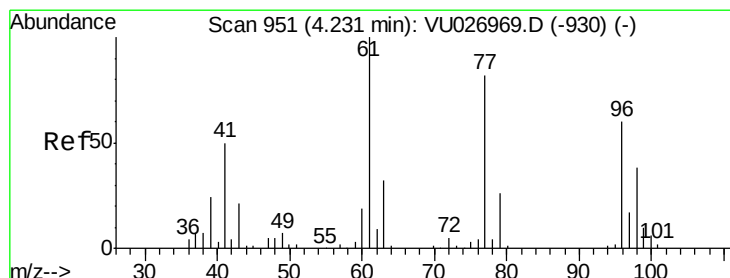
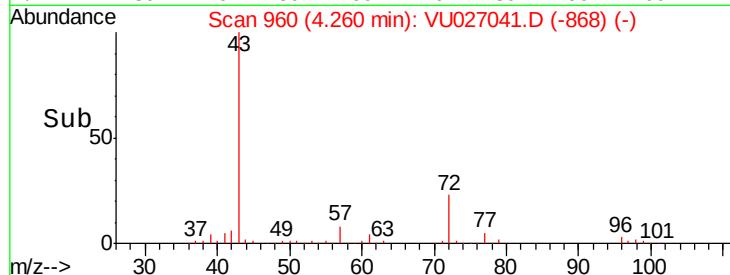
100000

50000

0

4.20 4.30

Time-->



#26

2,2-Dichloropropane

Concen: 41.616 ug/l

RT: 4.23 min Scan# 951

Delta R.T. 0.00 min

Lab File: VU027041.D

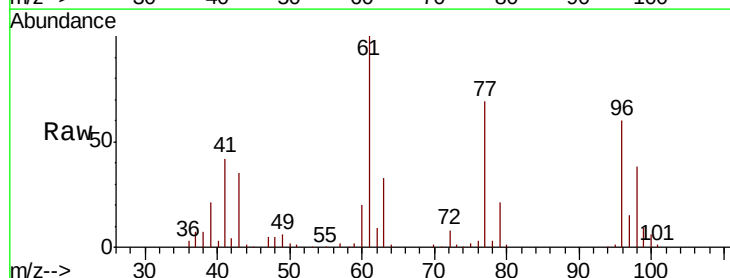
Acq: 23 Sep 2018 01:28

Tgt Ion: 77 Resp: 88813

Ion Ratio Lower Upper

77 100

97 20.9 10.5 31.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

30000

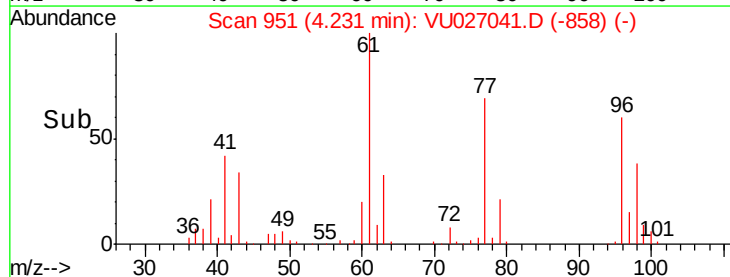
20000

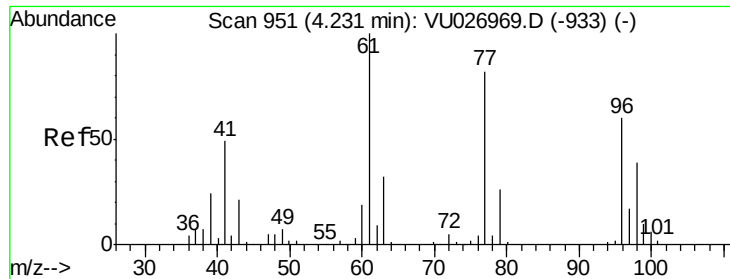
10000

0

4.10 4.20 4.30

Time-->





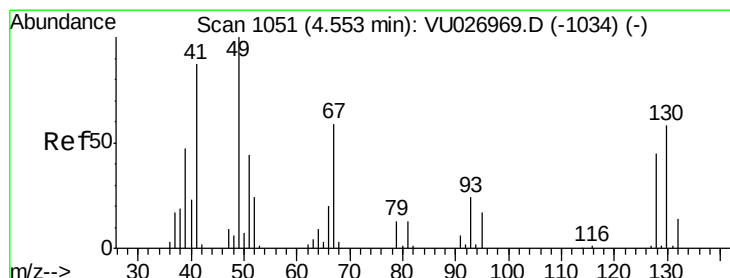
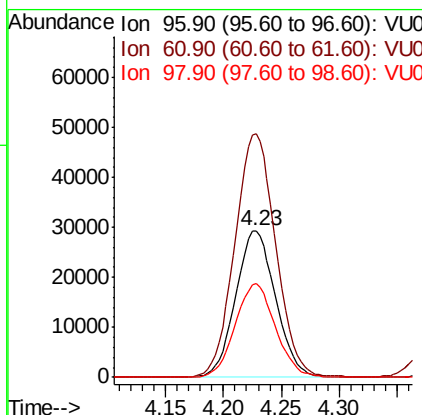
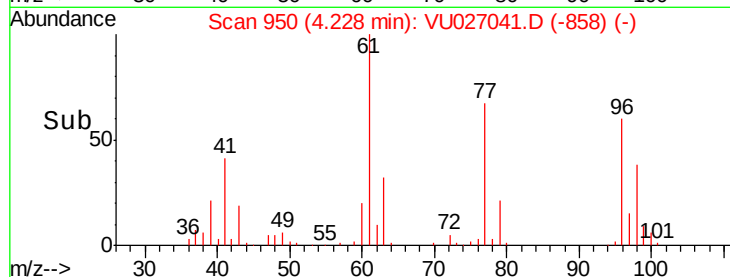
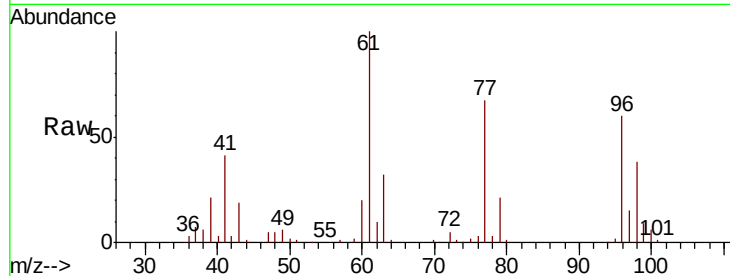
#27
 cis-1,2-Dichloroethene
 Concen: 50.834 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU027041.D
 Acq: 23 Sep 2018 01:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	170.3	0.0	337.2
98	64.5	0.0	127.6

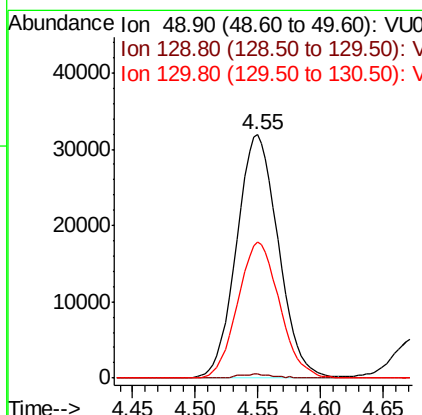
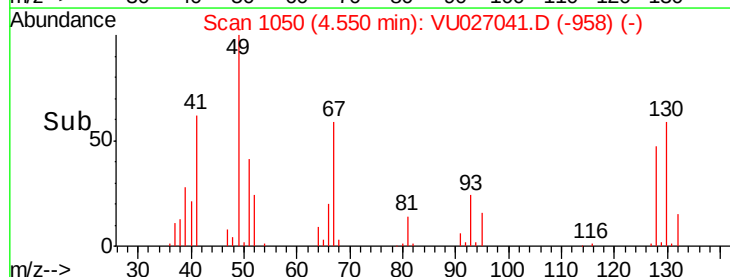
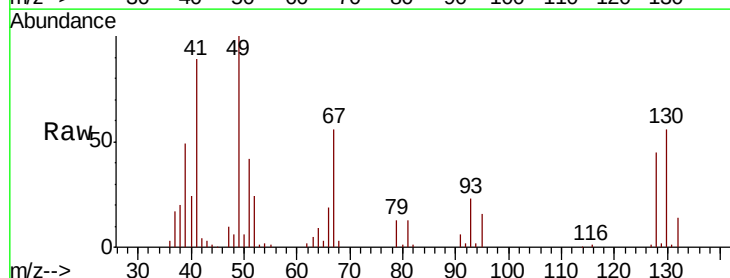
Manual Integrations
 APPROVED

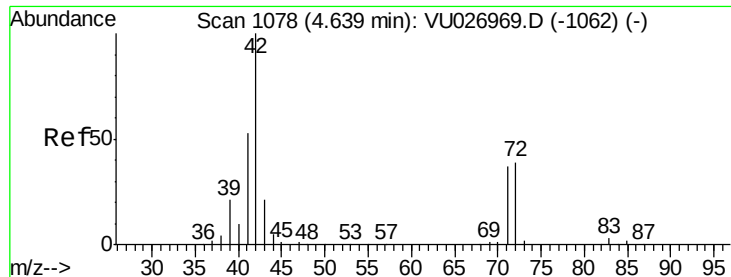
MMDadoda
 9/24/2018 4:40:30 PM



#28
 Bromochloromethane
 Concen: 56.138 ug/l
 RT: 4.55 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VU027041.D
 Acq: 23 Sep 2018 01:28

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	3.0
130	55.8	47.8	71.8





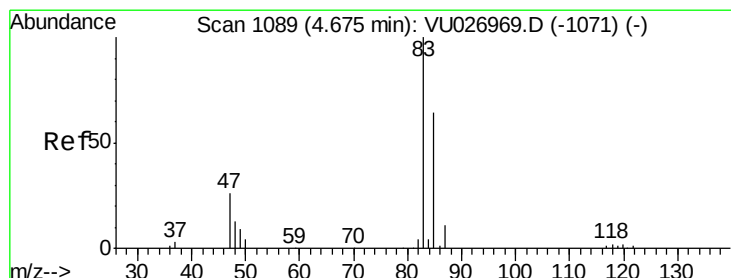
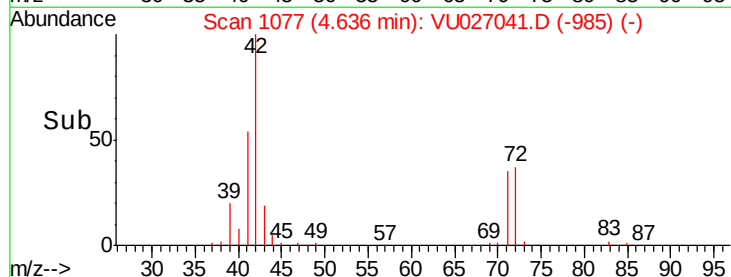
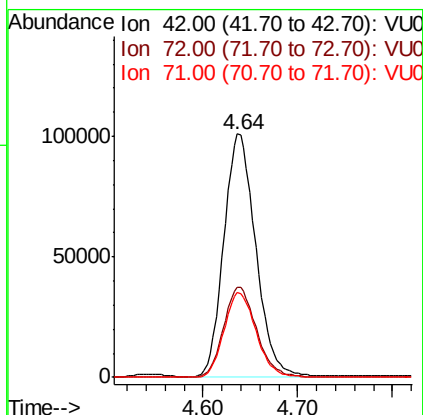
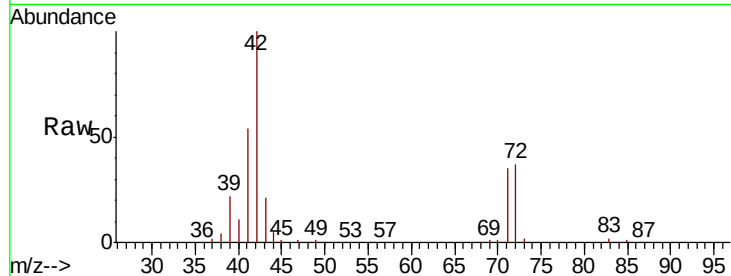
#29
Tetrahydrofuran
Concen: 278.952 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VU027041.D
Acq: 23 Sep 2018 01:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:	42	Resp:	236678
Ion	Ratio	Lower	Upper
42	100		
72	38.0	31.7	47.5
71	35.0	29.6	44.4

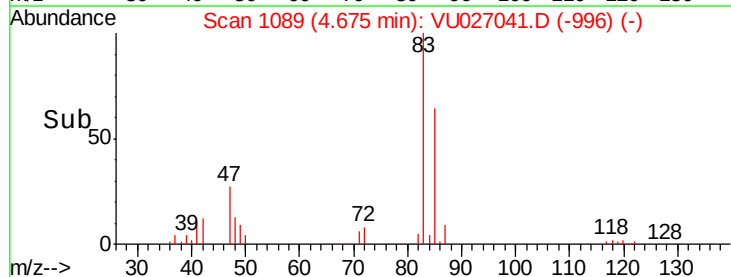
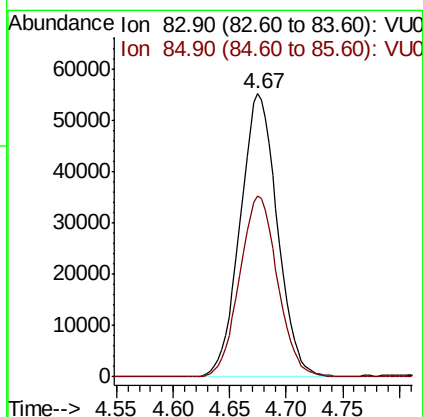
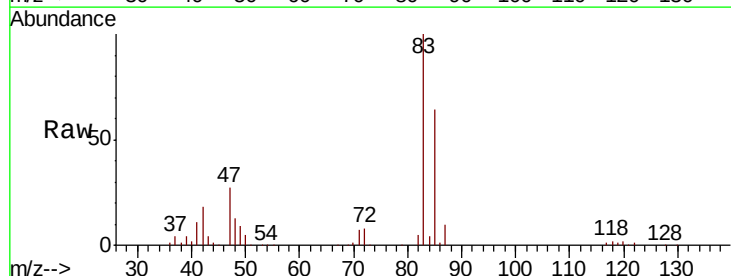
Manual Integrations
APPROVED

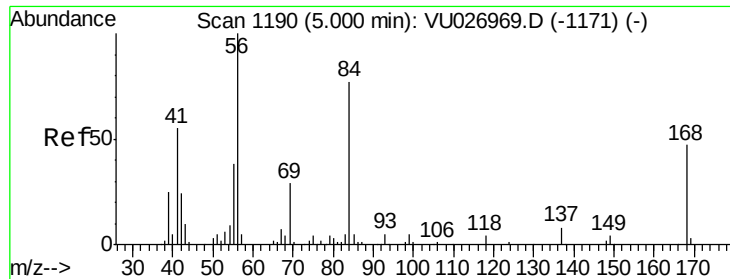
MMDadoda
9/24/2018 4:40:30 PM



#30
Chloroform
Concen: 49.870 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU027041.D
Acq: 23 Sep 2018 01:28

Tgt Ion:	83	Resp:	126673
Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.5	77.3





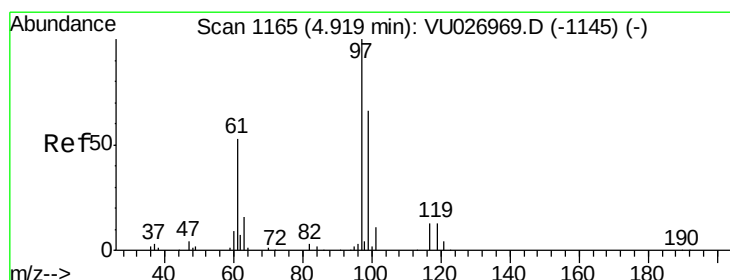
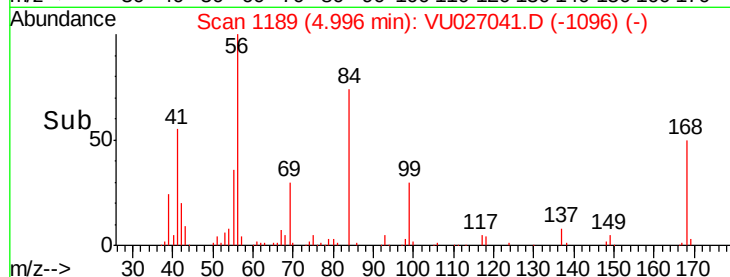
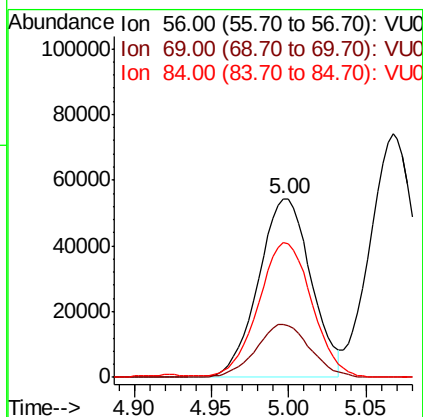
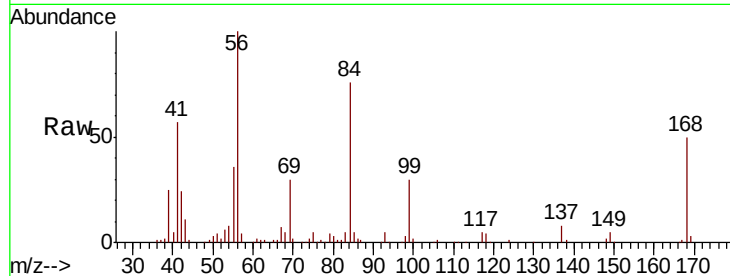
#31
Cyclohexane
Concen: 51.807 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU027041.D
Acq: 23 Sep 2018 01:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.8	23.0	34.4
84	74.6	61.4	92.2

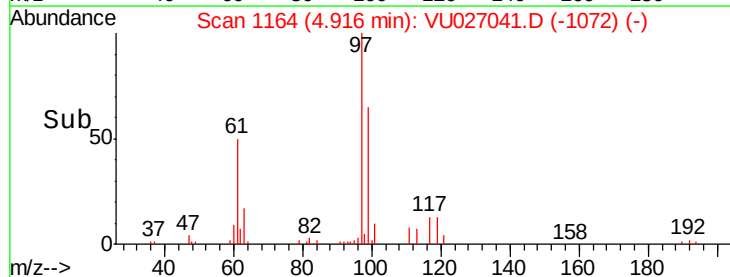
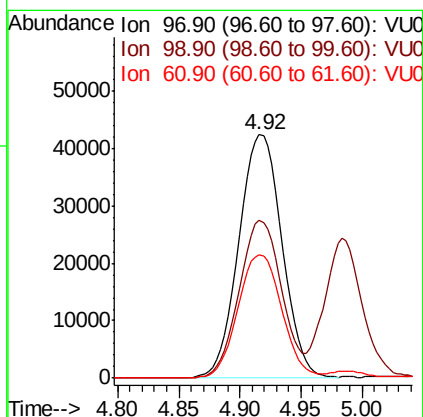
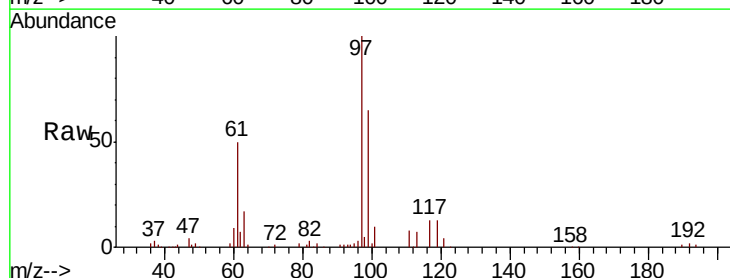
Manual Integrations
APPROVED

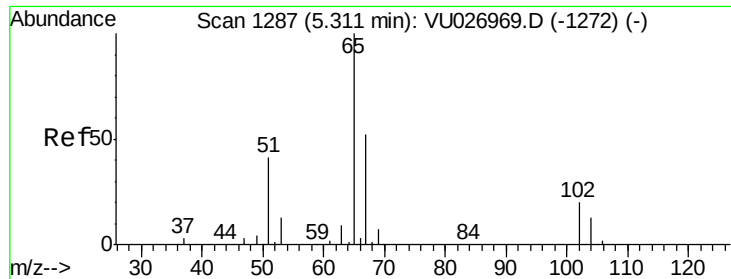
MMDadoda
9/24/2018 4:40:30 PM



#32
1,1,1-Trichloroethane
Concen: 51.370 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU027041.D
Acq: 23 Sep 2018 01:28

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.8	77.6
61	51.4	41.1	61.7





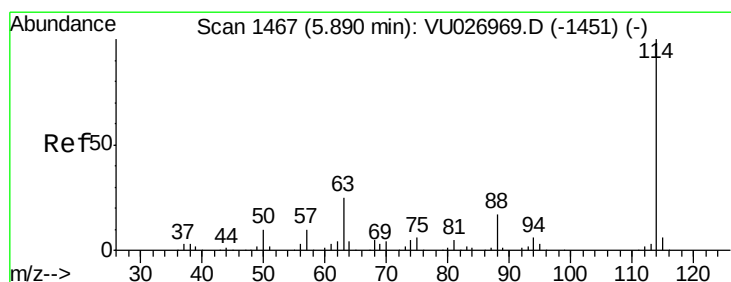
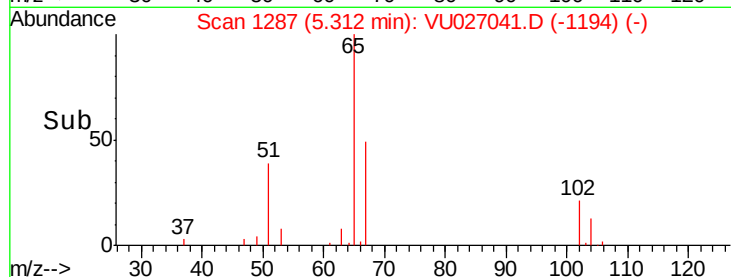
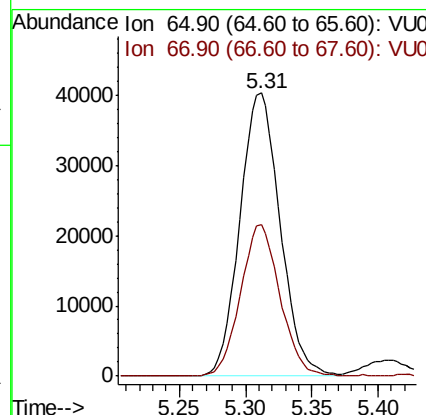
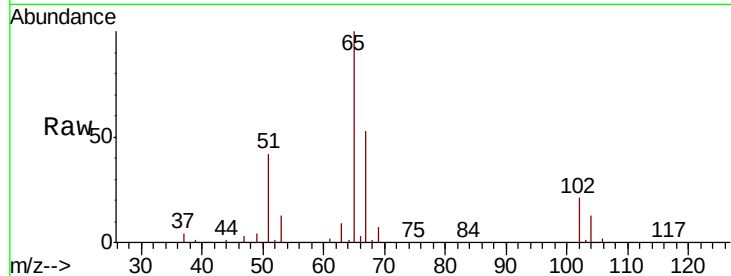
#33
 1,2-Dichloroethane-d4
 Concen: 51.006 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027041.D
 Acq: 23 Sep 2018 01:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	105.6

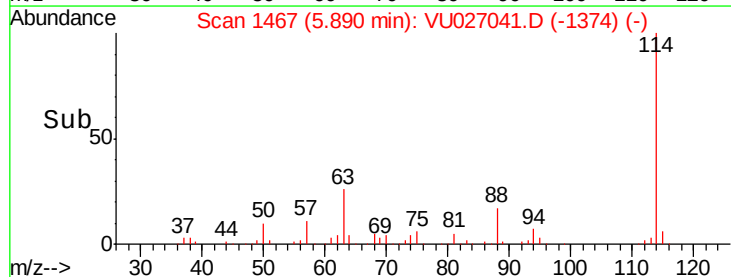
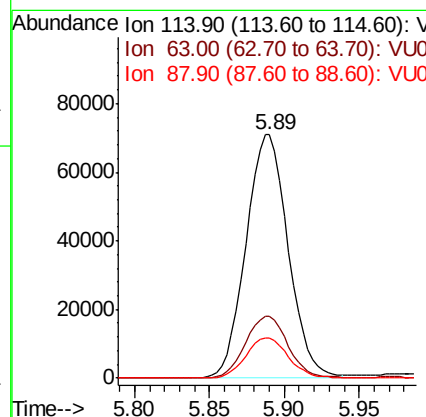
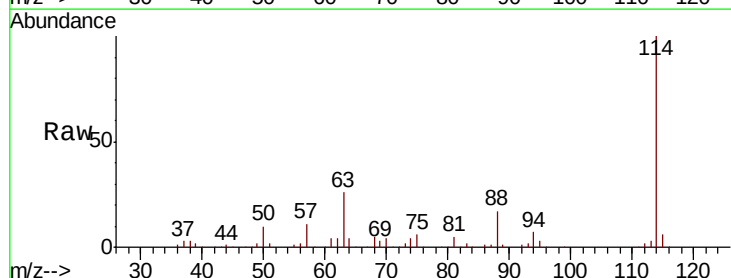
Manual Integrations
 APPROVED

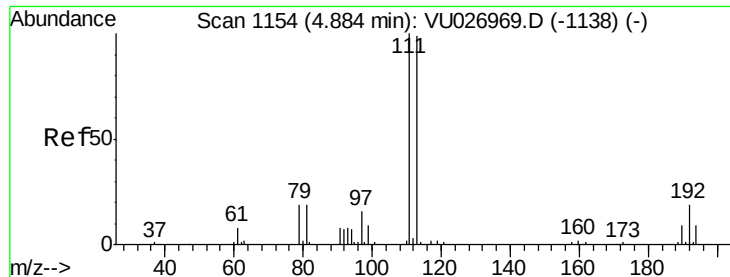
MMDadoda
 9/24/2018 4:40:30 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027041.D
 Acq: 23 Sep 2018 01:28

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.6	0.0	49.2
88	16.6	0.0	33.8





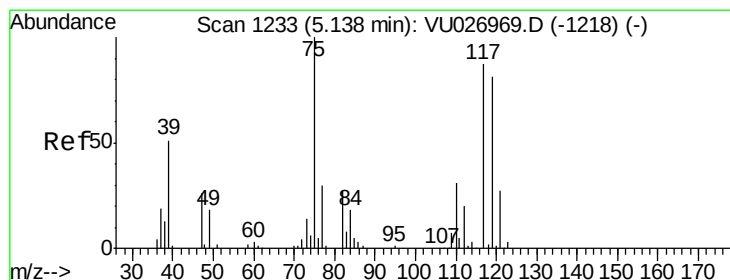
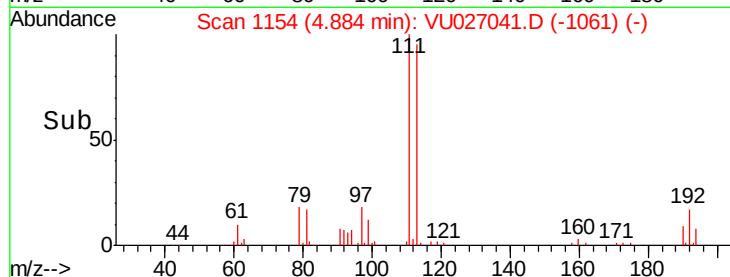
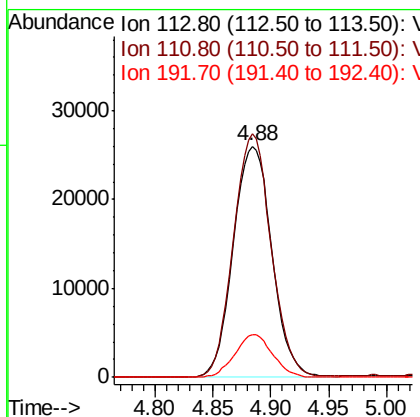
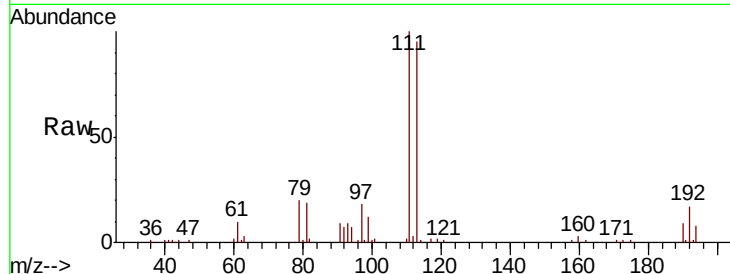
#35
 Dibromofluoromethane
 Concen: 49.900 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027041.D
 Acq: 23 Sep 2018 01:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.2	123.4
192	17.9	15.2	22.8

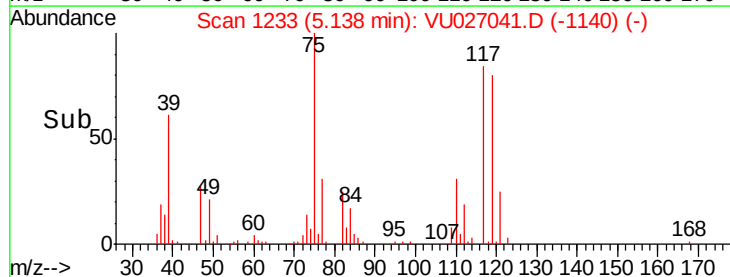
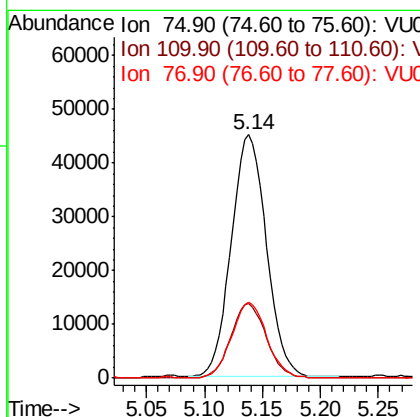
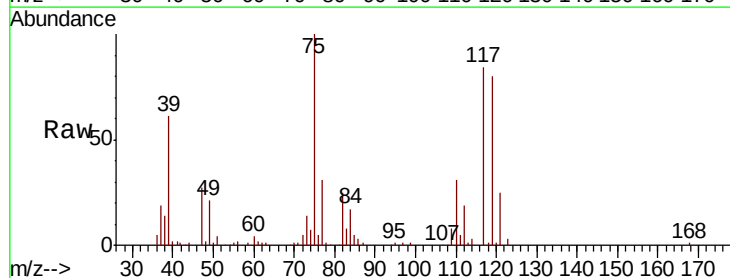
Manual Integrations
 APPROVED

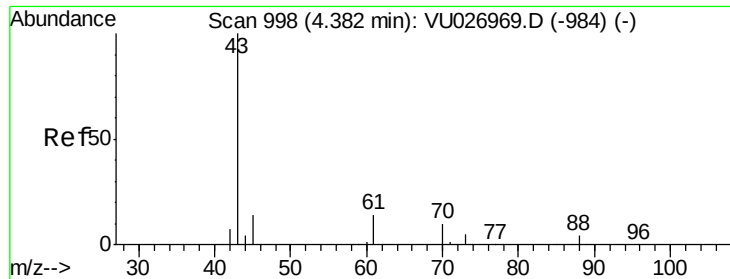
MMDadoda
 9/24/2018 4:40:30 PM



#36
 1,1-Dichloropropene
 Concen: 51.108 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU027041.D
 Acq: 23 Sep 2018 01:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	30.9	16.1	48.2
77	31.5	24.6	36.8





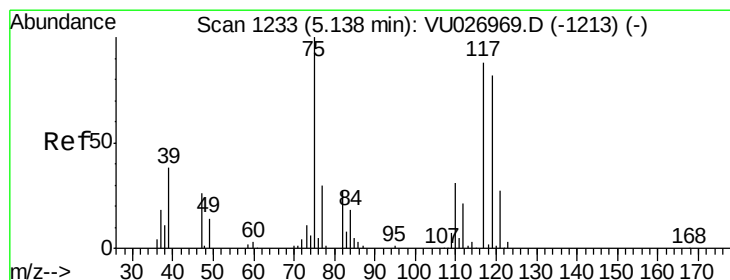
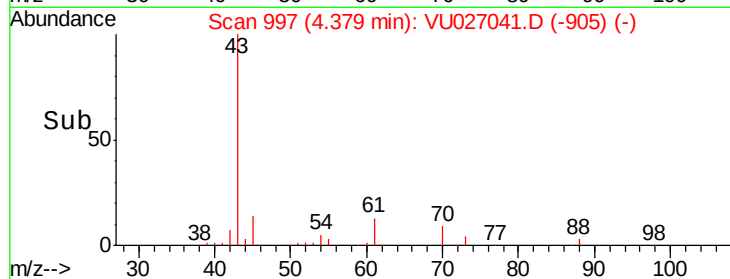
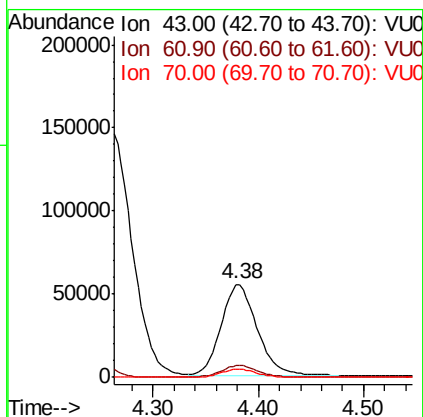
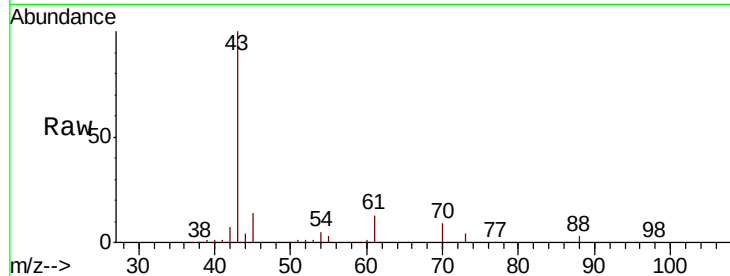
#37
Ethyl Acetate
Concen: 52.232 ug/l
RT: 4.38 min Scan# 997
Delta R.T. -0.00 min
Lab File: VU027041.D
Acq: 23 Sep 2018 01:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.5	15.7
70	8.9	7.4	11.0

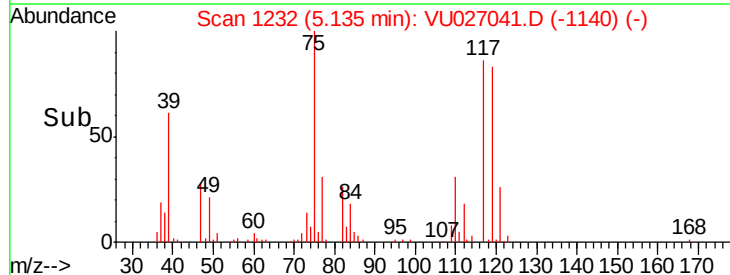
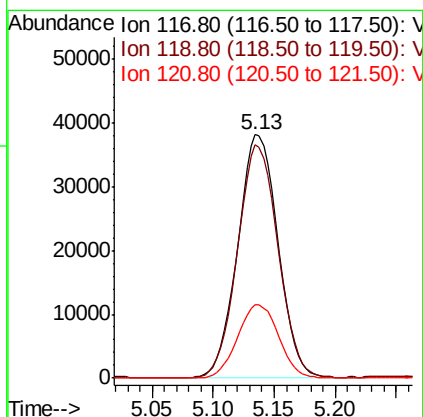
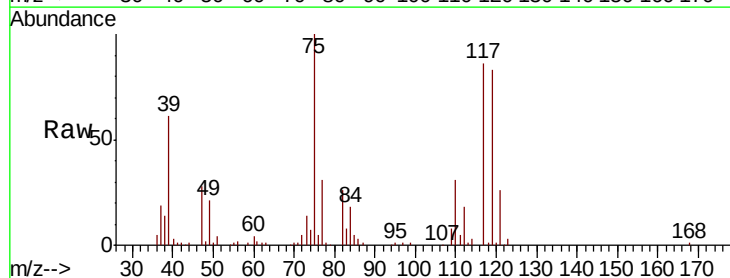
Manual Integrations
APPROVED

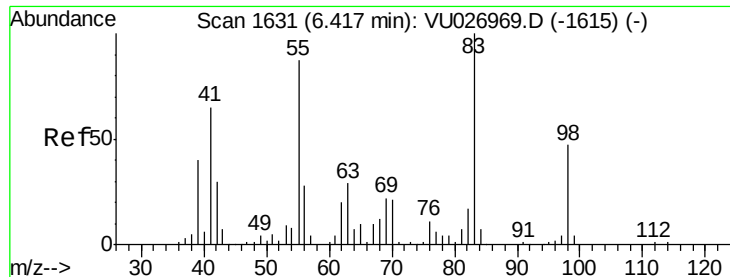
MMDadoda
9/24/2018 4:40:30 PM



#38
Carbon Tetrachloride
Concen: 49.342 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU027041.D
Acq: 23 Sep 2018 01:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	74.4	111.6
121	30.0	24.2	36.4





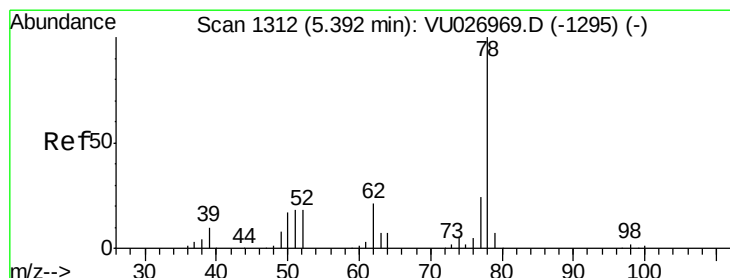
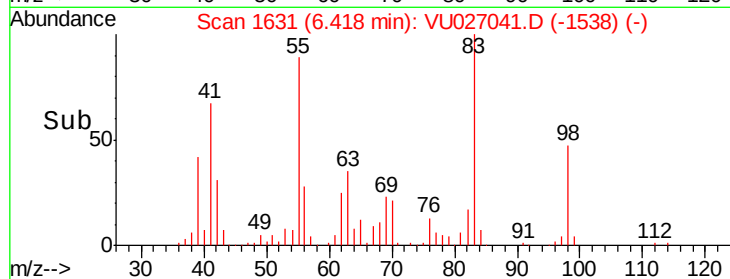
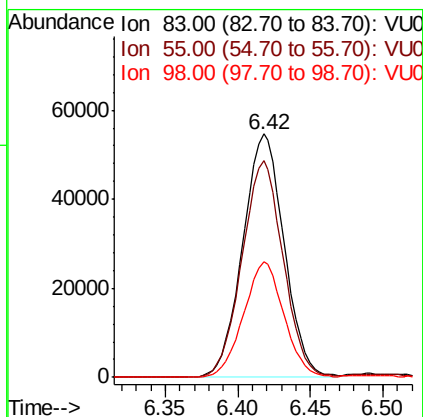
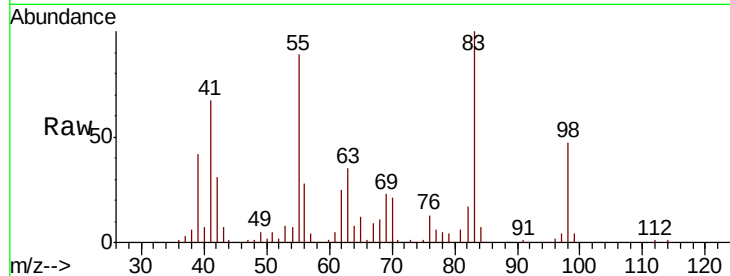
#39
Methylvlcyclohexane
Concen: 53.772 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU027041.D
Acq: 23 Sep 2018 01:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.8	69.9	104.9
98	47.3	37.5	56.3

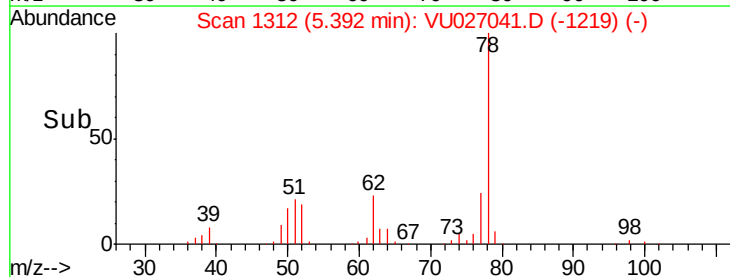
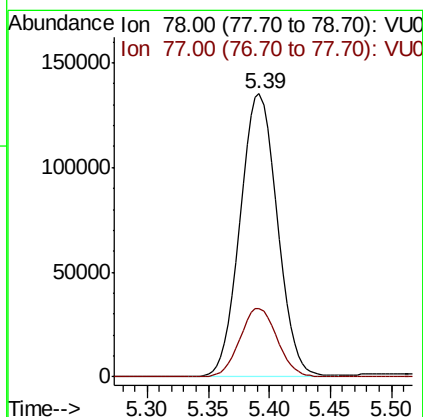
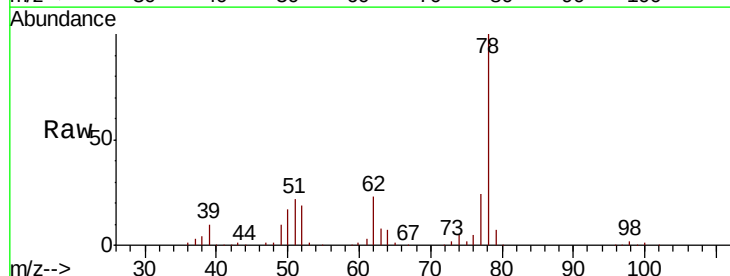
Manual Integrations
APPROVED

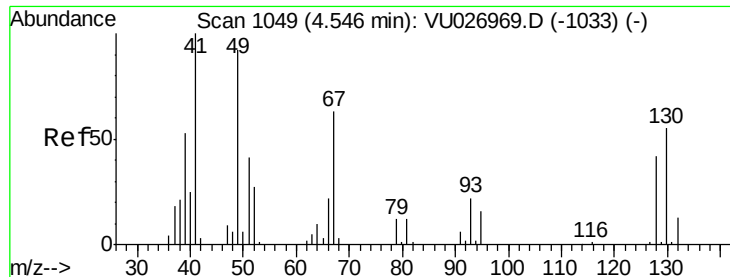
MMDadoda
9/24/2018 4:40:30 PM



#40
Benzene
Concen: 50.548 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU027041.D
Acq: 23 Sep 2018 01:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.4	29.0





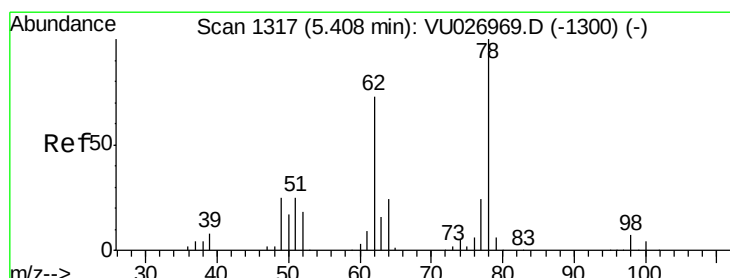
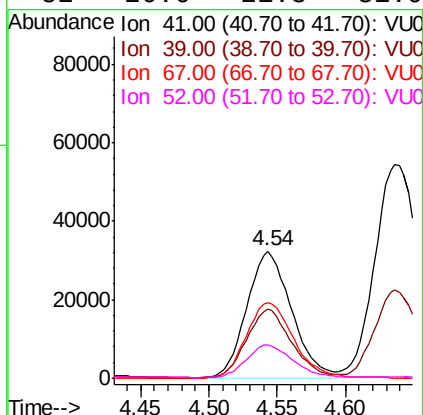
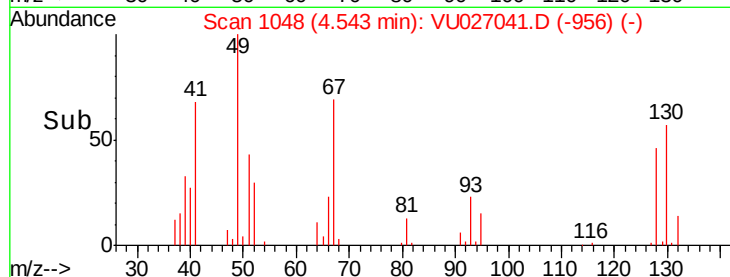
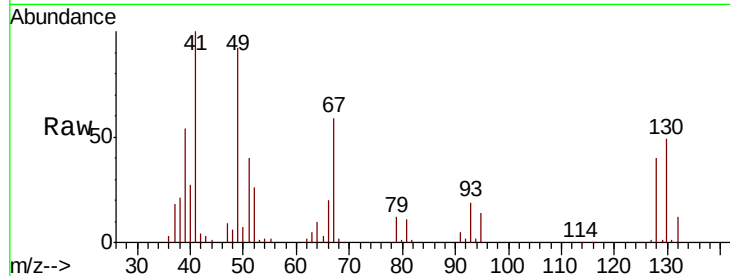
#41
Methacrylonitrile
Concen: 56.768 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU027041.D
Acq: 23 Sep 2018 01:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.7	42.9	64.3	
67	62.9	52.4	78.6	
52	26.6	21.3	31.9	

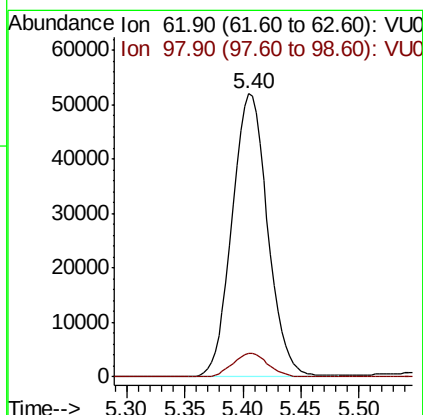
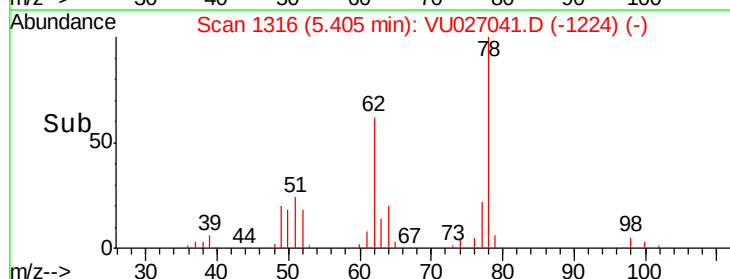
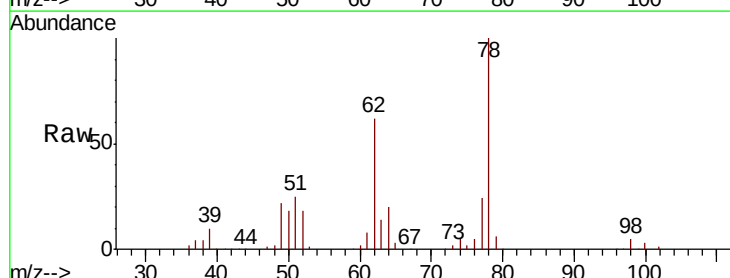
Manual Integrations
APPROVED

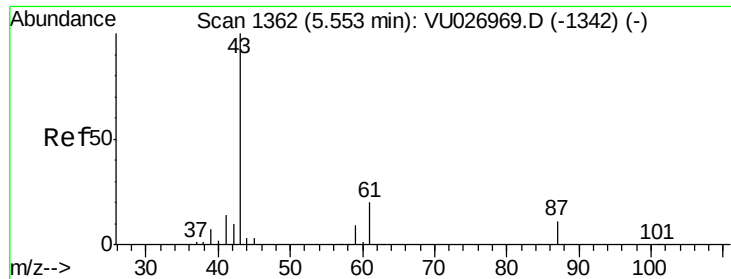
MMDadoda
9/24/2018 4:40:30 PM



#42
1,2-Dichloroethane
Concen: 51.910 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU027041.D
Acq: 23 Sep 2018 01:28

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





#43

Isopropyl Acetate

Concen: 54.816 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. -0.00 min

Lab File: VU027041.D

Acq: 23 Sep 2018 01:28

Instrument :

MSVOA_U

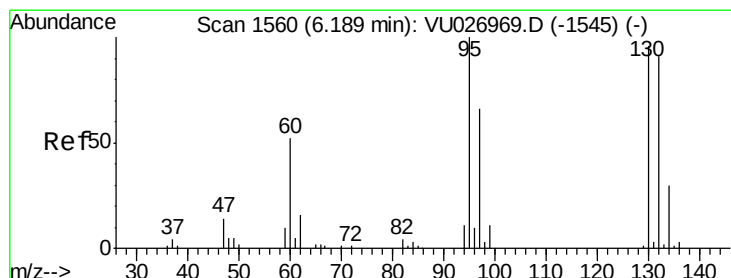
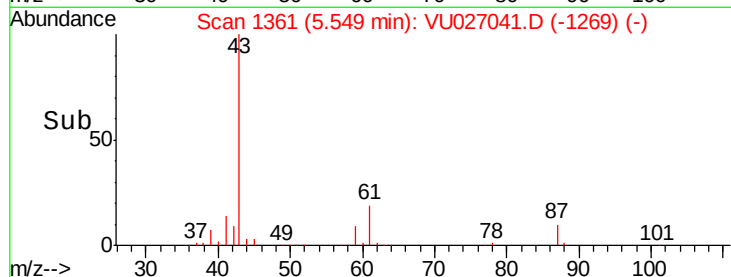
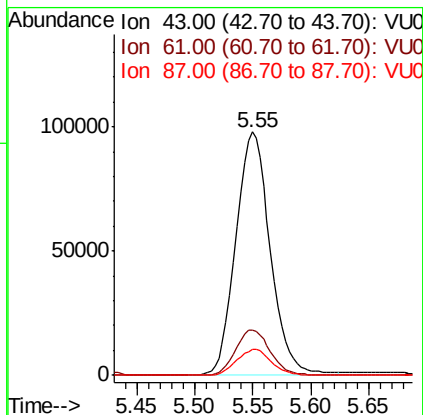
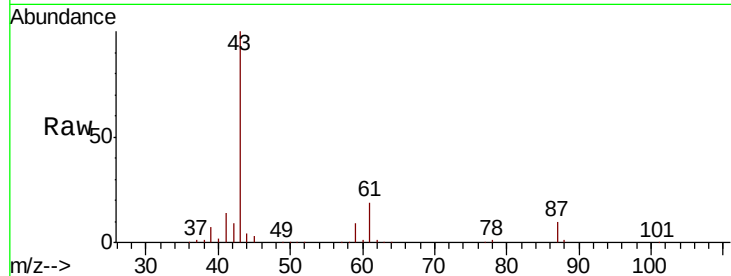
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	201229
Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.7	23.5
87	10.7	9.0	13.4

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9/24/2018 4:40:30 PM



#44

Trichloroethene

Concen: 50.731 ug/l

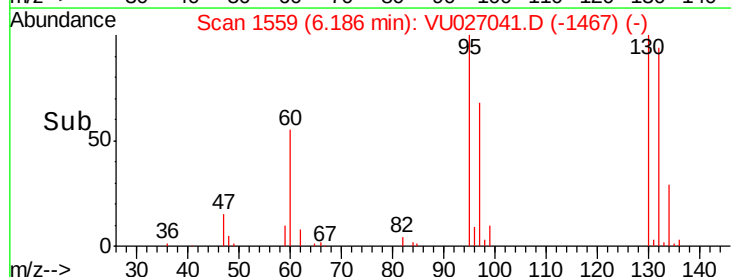
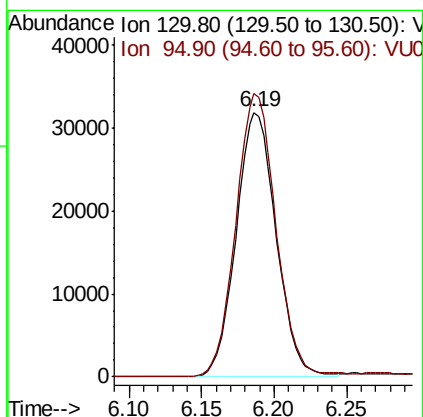
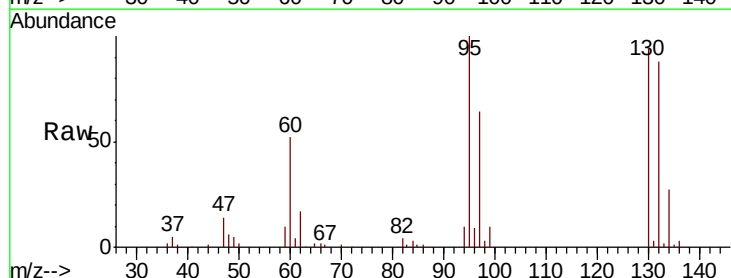
RT: 6.19 min Scan# 1559

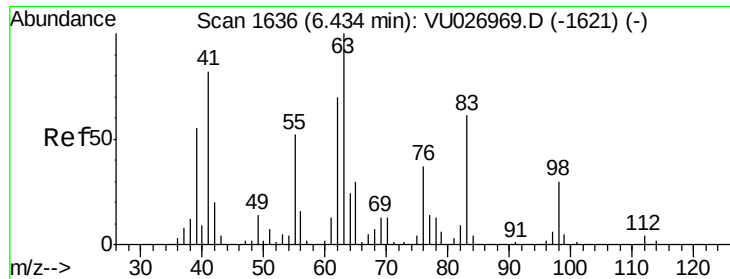
Delta R.T. -0.00 min

Lab File: VU027041.D

Acq: 23 Sep 2018 01:28

Tgt Ion:	130	Resp:	61049
Ion	Ratio	Lower	Upper
130	100		
95	106.9	0.0	208.8





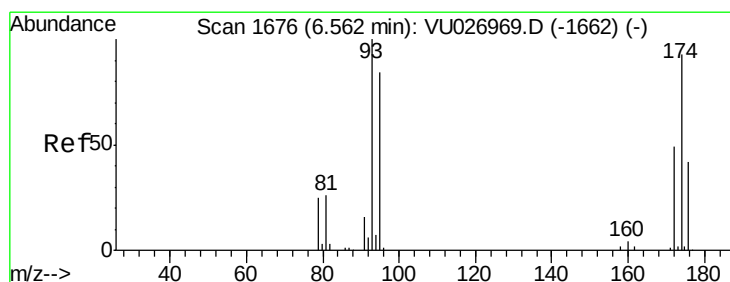
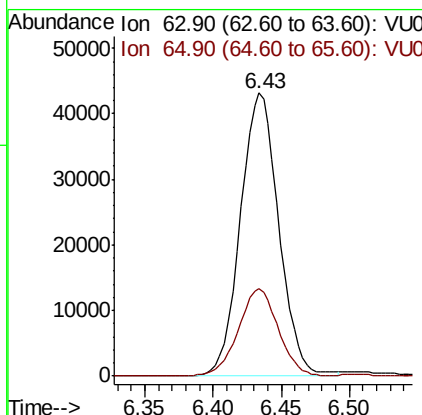
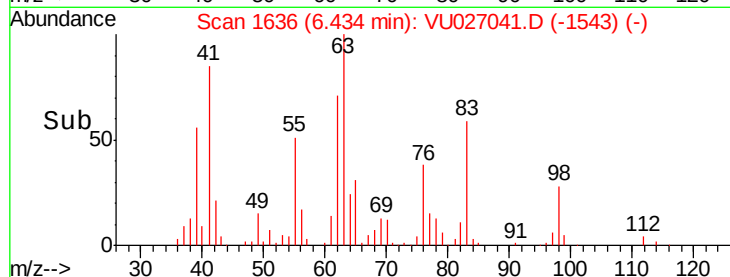
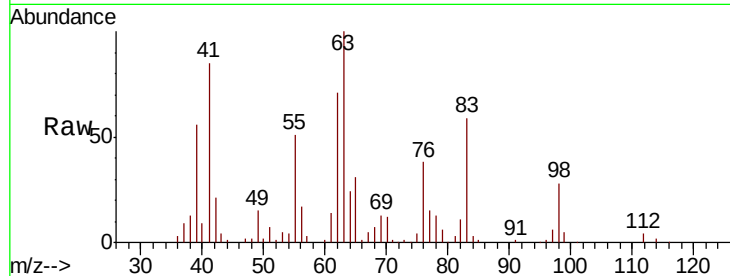
#45
 1,2-Dichloropropane
 Concen: 52.326 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU027041.D
 Acq: 23 Sep 2018 01:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 84279
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.3 36.5

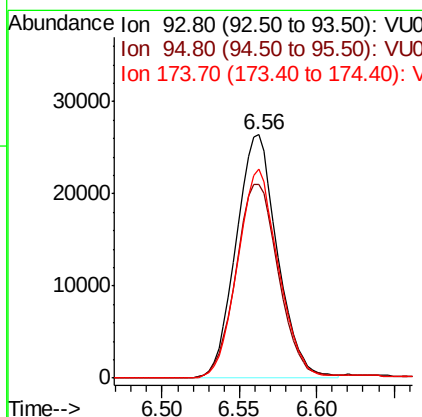
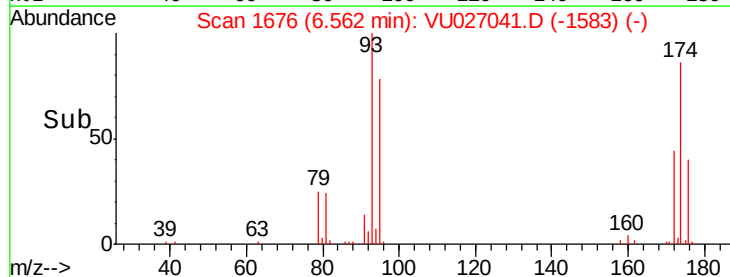
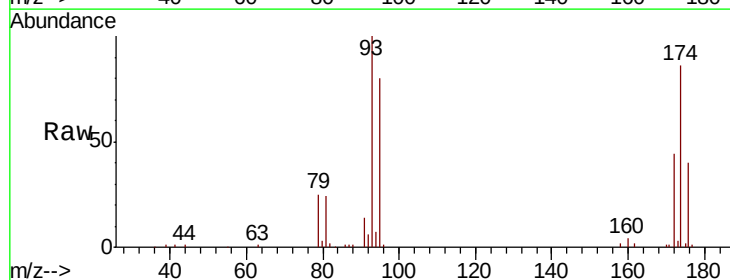
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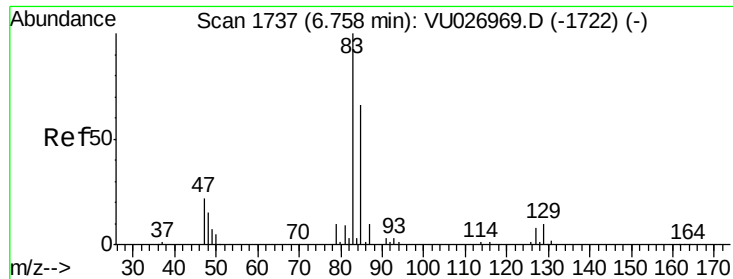
MMDadoda
 9/24/2018 4:40:30 PM



#46
 Dibromomethane
 Concen: 50.569 ug/l
 RT: 6.56 min Scan# 1676
 Delta R.T. 0.00 min
 Lab File: VU027041.D
 Acq: 23 Sep 2018 01:28

Tgt Ion: 93 Resp: 49191
 Ion Ratio Lower Upper
 93 100
 95 82.5 66.2 99.4
 174 84.6 71.7 107.5





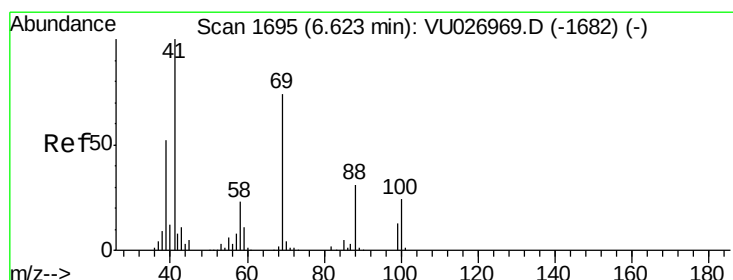
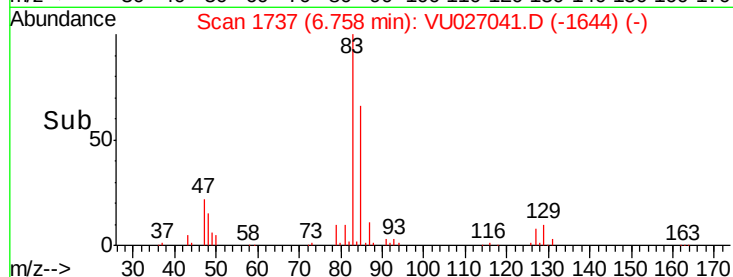
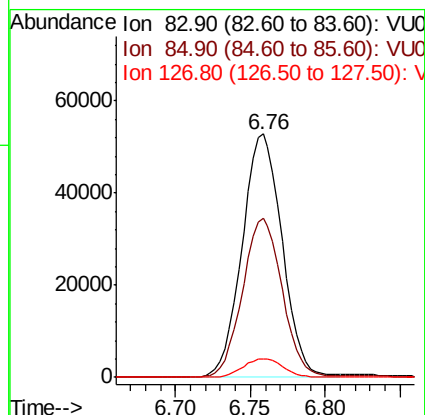
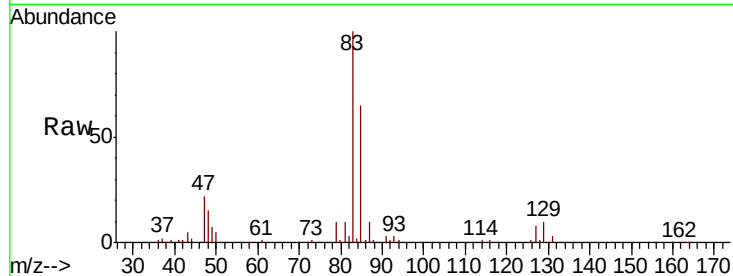
#47
Bromodichloromethane
Concen: 50.000 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VU027041.D
Acq: 23 Sep 2018 01:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	98347
Ion Ratio	100	Lower	Upper
83	100		
85	65.1	52.5	78.7
127	7.7	6.3	9.5

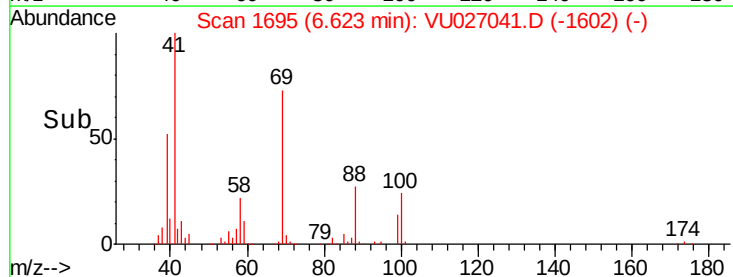
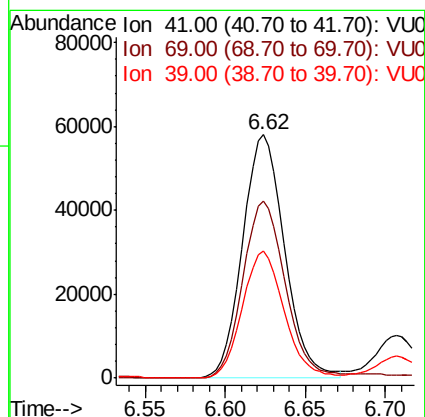
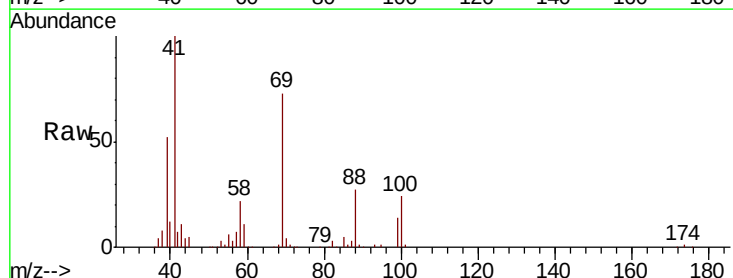
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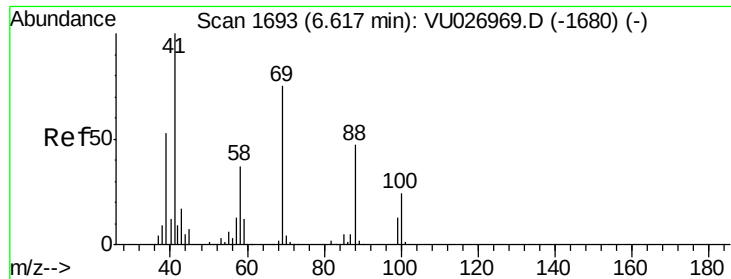
MMDadoda
9/24/2018 4:40:30 PM



#48
Methyl methacrylate
Concen: 51.979 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU027041.D
Acq: 23 Sep 2018 01:28

Tgt Ion	41	Resp	103939
Ion Ratio	100	Lower	Upper
41	100		
69	74.3	60.6	90.8
39	52.3	42.8	64.2





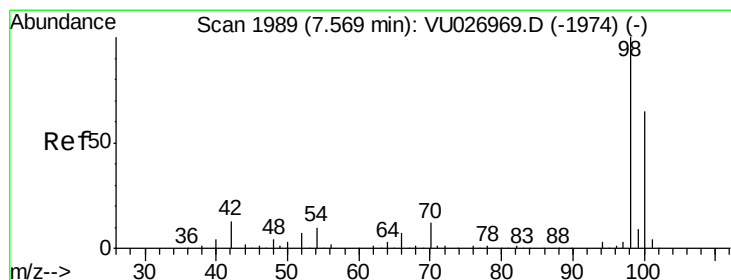
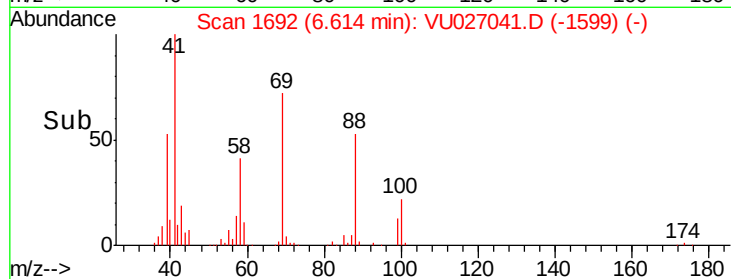
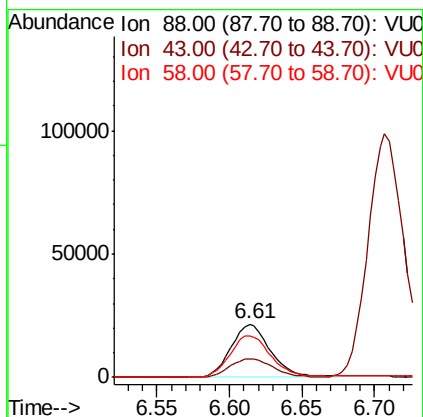
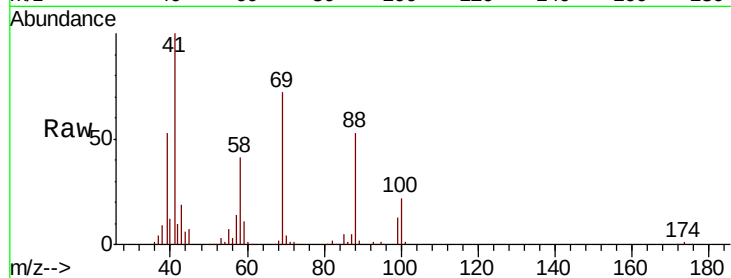
#49
1,4-Dioxane
Concen: 1031.212 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VU027041.D
Acq: 23 Sep 2018 01:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	38.9	29.8	44.8	
58	81.1	63.9	95.9	

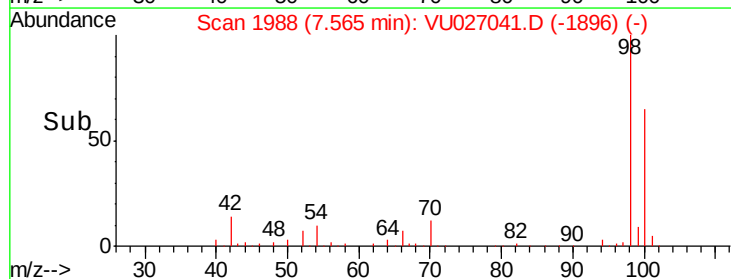
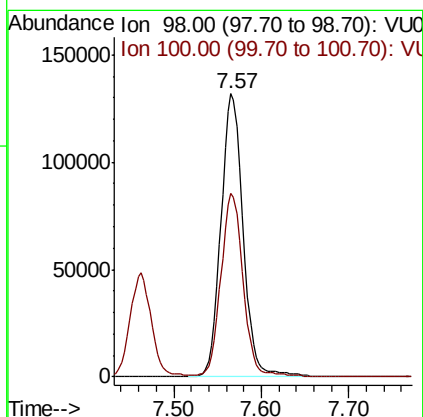
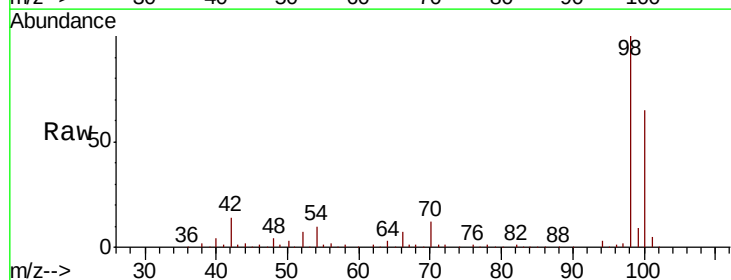
Manual Integrations
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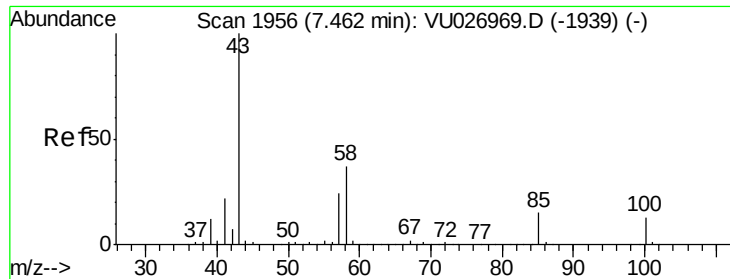
MMDadoda
9/24/2018 4:40:30 PM



#50
Toluene-d8
Concen: 50.567 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027041.D
Acq: 23 Sep 2018 01:28

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	65.4	52.1	78.1	





#51

4-Methyl-2-Pentanone

Concen: 282.404 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VU027041.D

Acq: 23 Sep 2018 01:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 697249

Ion Ratio Lower Upper

43 100

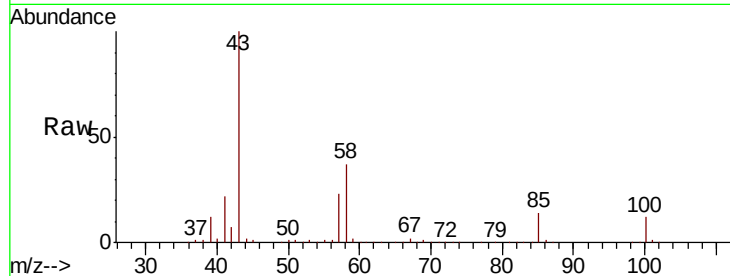
58 36.7 29.8 44.6

Manual Integrations

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

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

7.46

400000

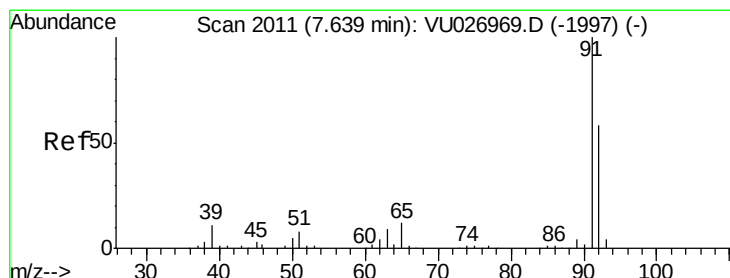
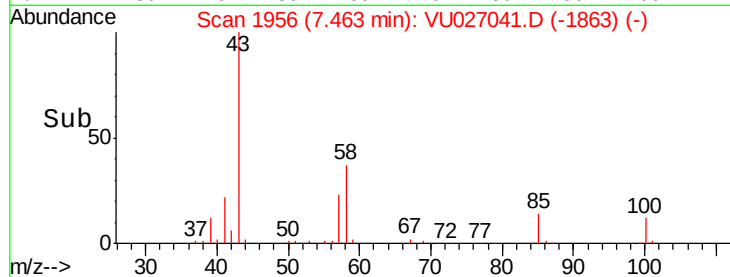
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 52.895 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU027041.D

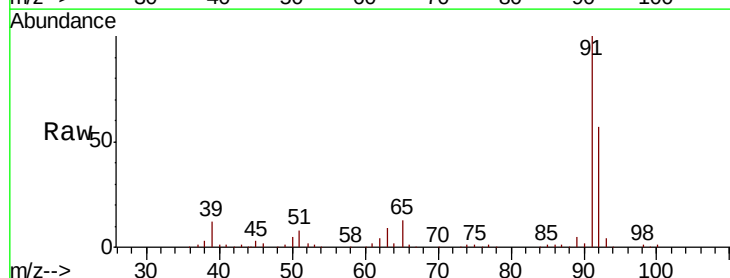
Acq: 23 Sep 2018 01:28

Tgt Ion: 92 Resp: 171385

Ion Ratio Lower Upper

92 100

91 174.1 136.4 204.6



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

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

7.64

200000

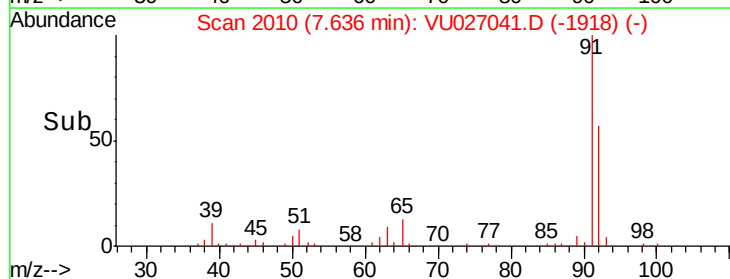
150000

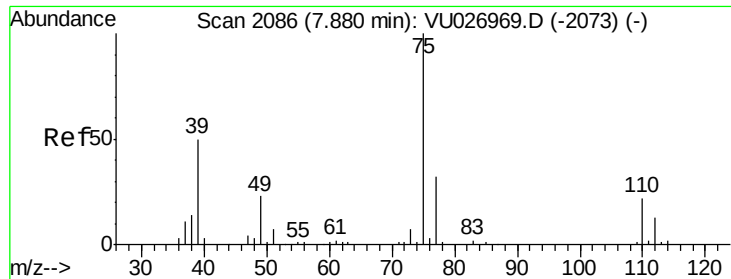
100000

50000

0

Time-->





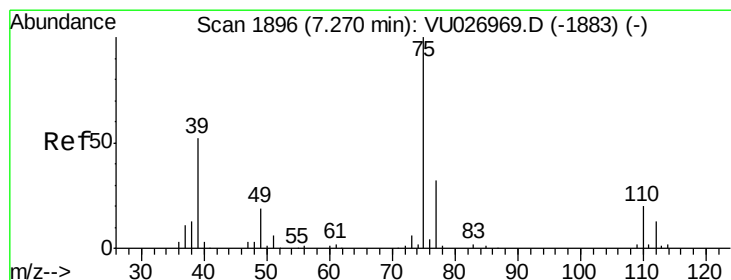
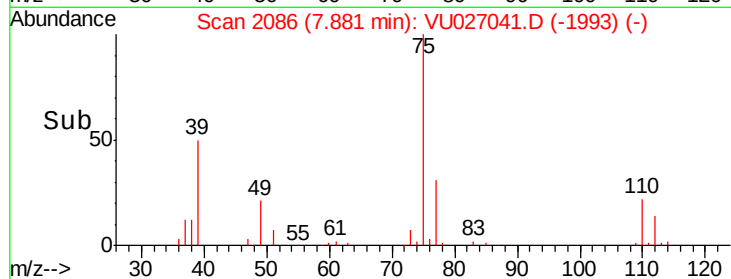
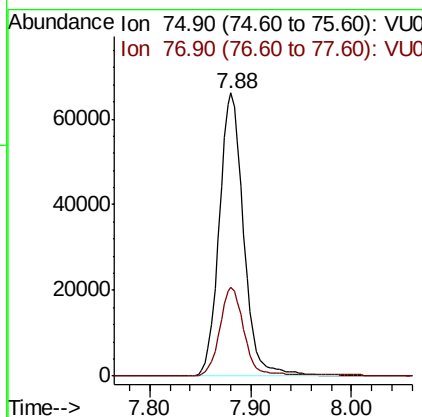
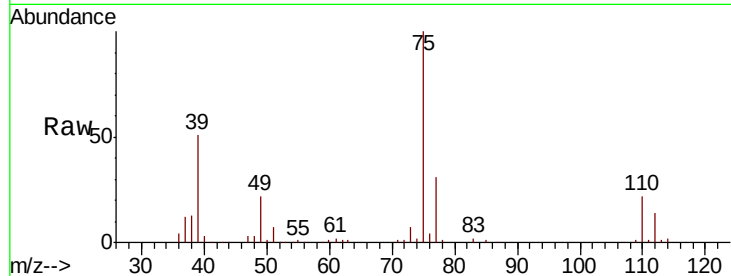
#53
t-1,3-Dichloropropene
Concen: 52.823 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU027041.D
Acq: 23 Sep 2018 01:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
75	100	111631		
77	31.3	25.3	37.9	

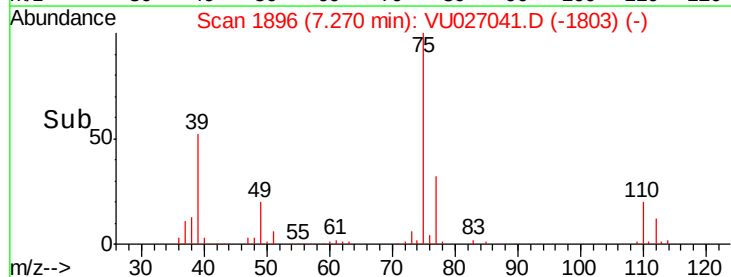
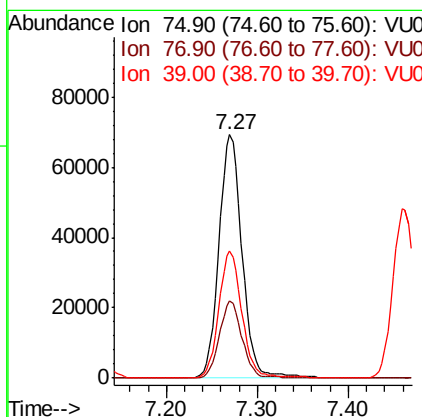
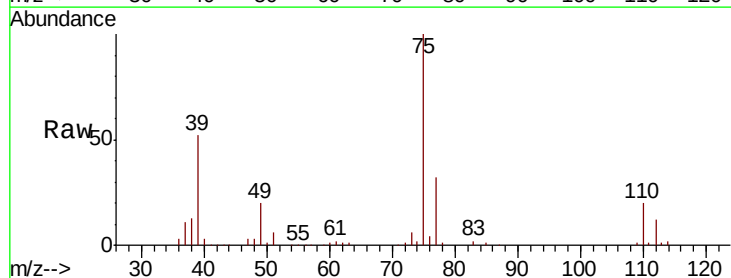
Manual Integrations
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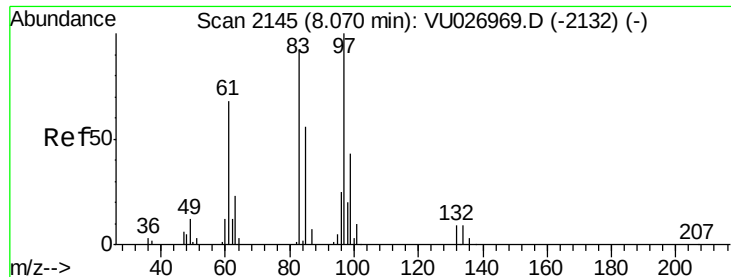
MMDadoda
9/24/2018 4:40:30 PM



#54
cis-1,3-Dichloropropene
Concen: 52.685 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU027041.D
Acq: 23 Sep 2018 01:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	122420		
77	31.5	25.4	38.0	
39	51.9	41.6	62.4	





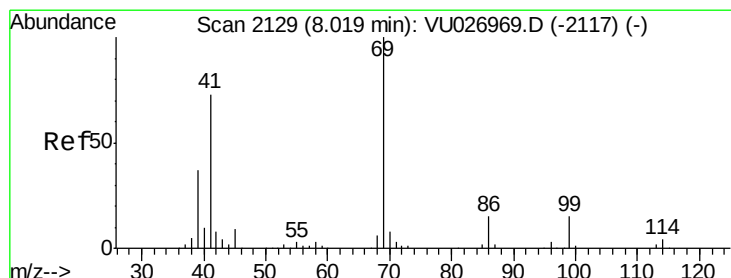
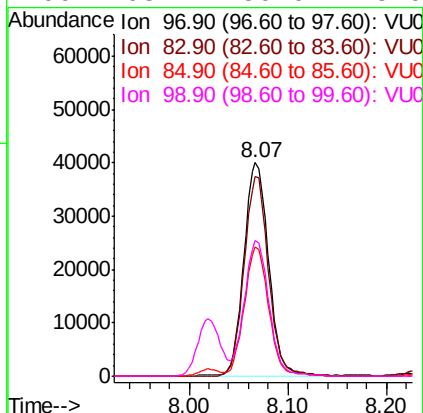
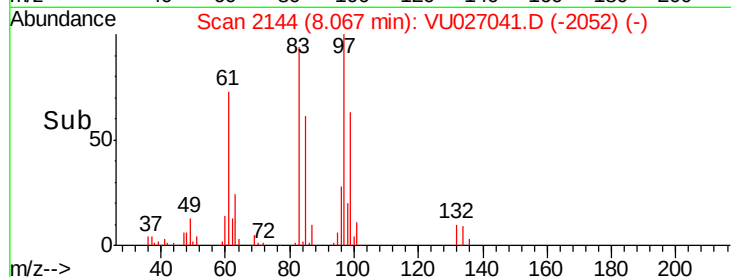
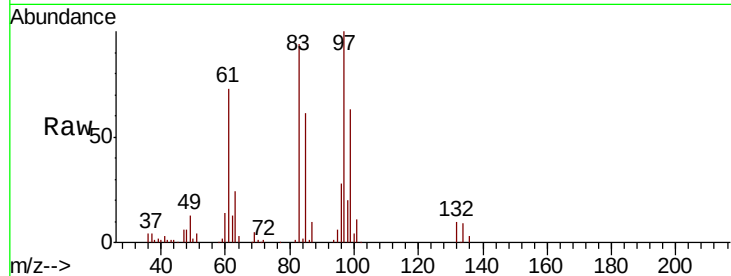
#55
 1,1,2-Trichloroethane
 Concen: 50.910 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027041.D
 Acq: 23 Sep 2018 01:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	69895
Ion	Ratio	Lower	Upper
97	100		
83	93.6	73.1	109.7
85	60.8	46.7	70.1
99	63.4	50.0	75.0

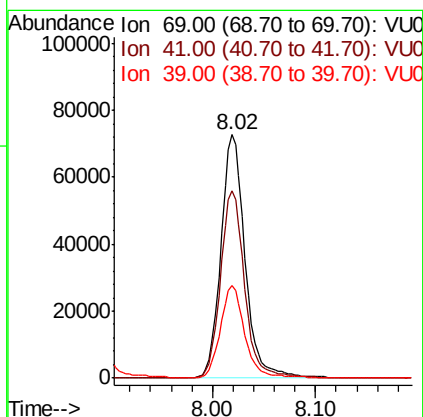
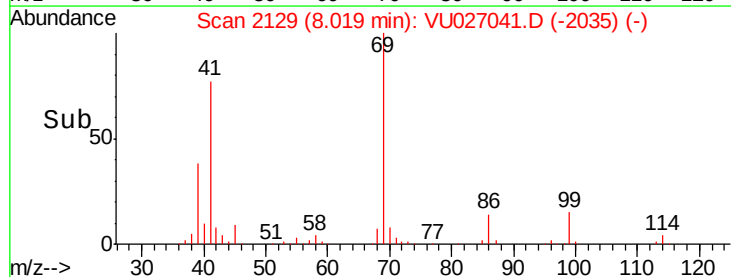
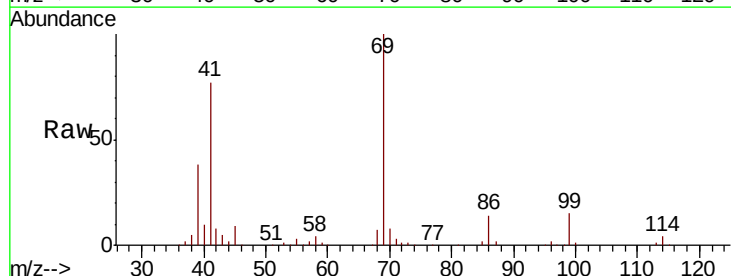
Manual Integrations
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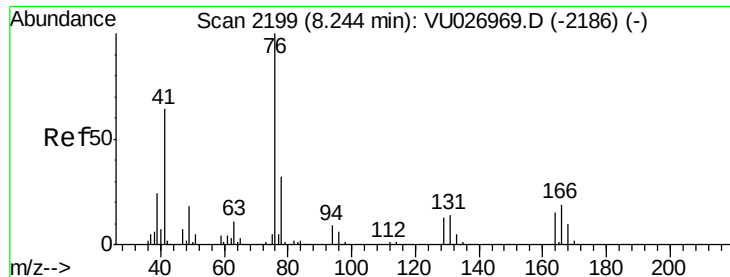
MMDadoda
 9/24/2018 4:40:30 PM



#56
 Ethyl methacrylate
 Concen: 49.711 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027041.D
 Acq: 23 Sep 2018 01:28

Tgt Ion:	69	Resp:	118388
Ion	Ratio	Lower	Upper
69	100		
41	77.2	59.0	88.4
39	38.0	30.2	45.4





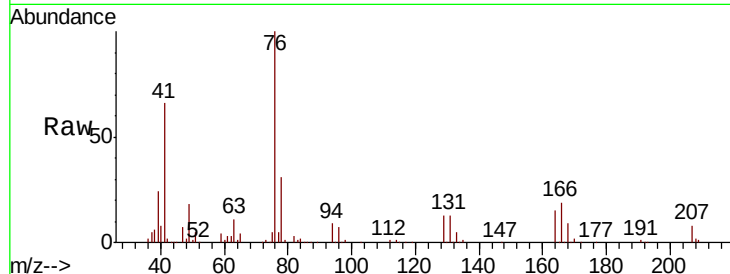
#57
 1,3-Dichloropropane
 Concen: 53.054 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU027041.D
 Acq: 23 Sep 2018 01:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

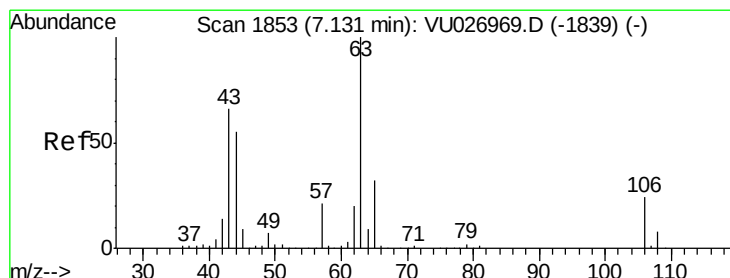
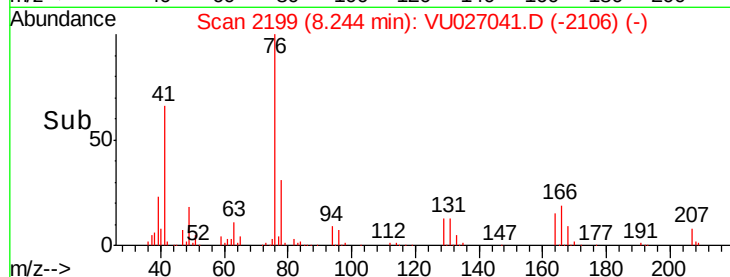
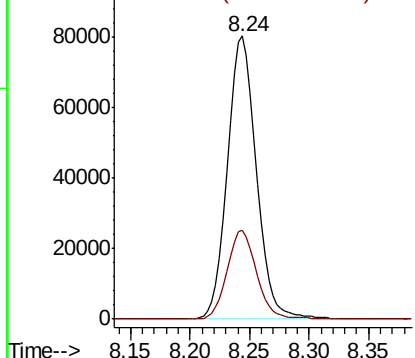
Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.5	38.3

Manual Integrations
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MMDadoda
 9/24/2018 4:40:30 PM

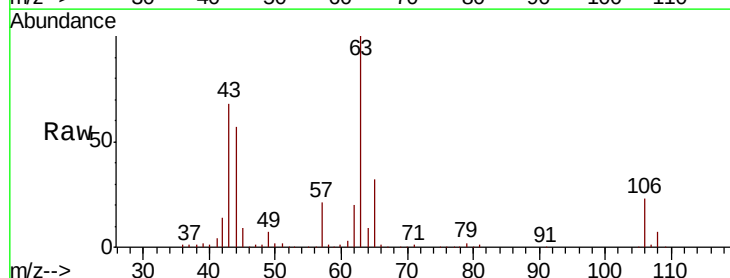


Abundance Ion 75.90 (75.60 to 76.60): VU026969.D (-2186) (-)
 Ion 77.90 (77.60 to 78.60): VU027041.D (-2106) (-)

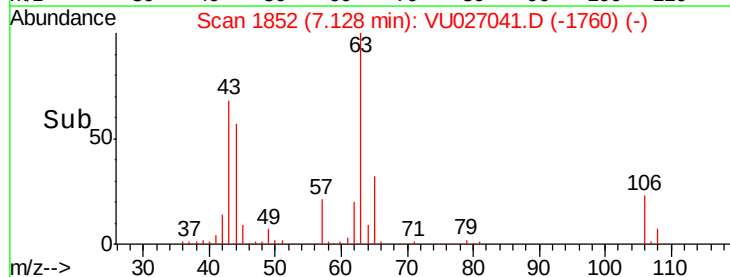
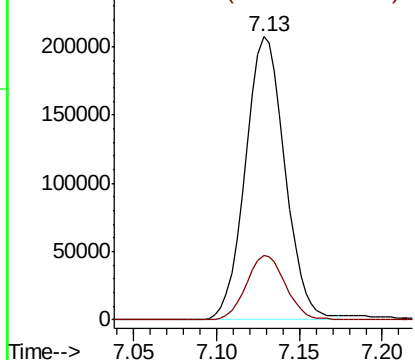


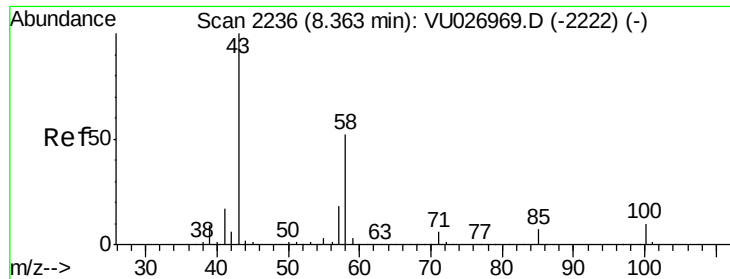
#58
 2-Chloroethyl Vinyl ether
 Concen: 253.982 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VU027041.D
 Acq: 23 Sep 2018 01:28

Tgt Ion	Ratio	Lower	Upper
63	100		
106	22.8	18.7	28.1



Abundance Ion 62.90 (62.60 to 63.60): VU026969.D (-1839) (-)
 Ion 105.90 (105.60 to 106.60): VU027041.D (-1760) (-)





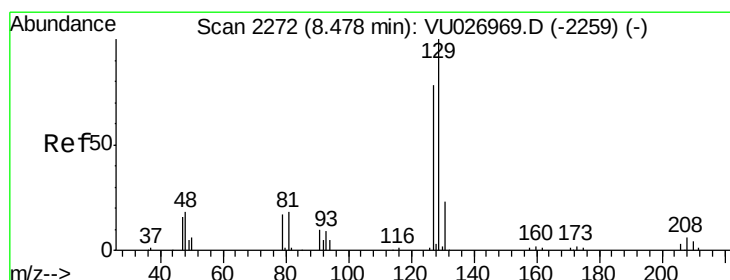
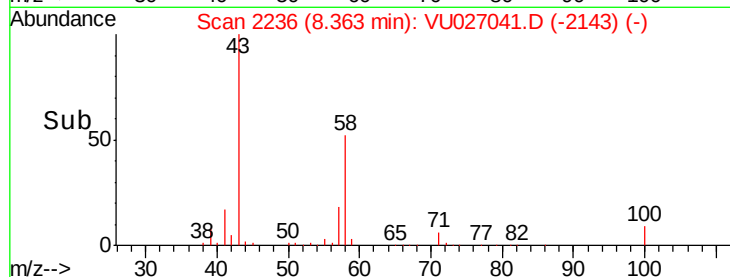
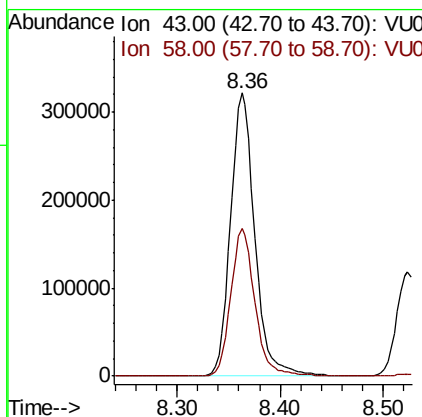
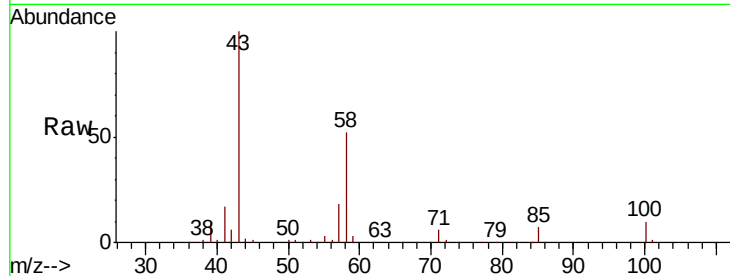
#59
 2-Hexanone
 Concen: 273.311 ug/l
 RT: 8.36 min Scan# 2236
 Delta R.T. 0.00 min
 Lab File: VU027041.D
 Acq: 23 Sep 2018 01:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.0	26.1	78.2

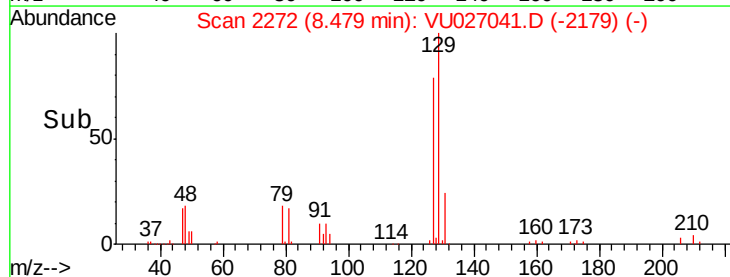
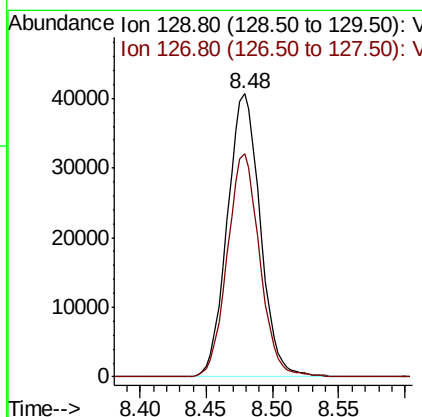
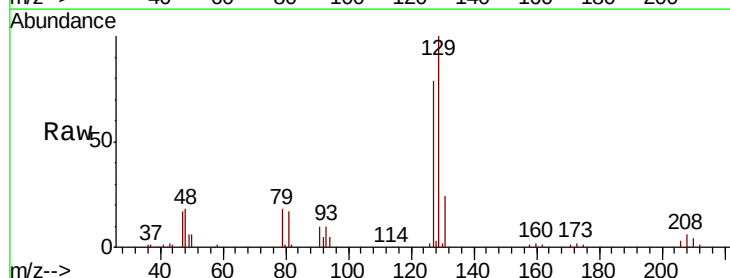
Manual Integrations
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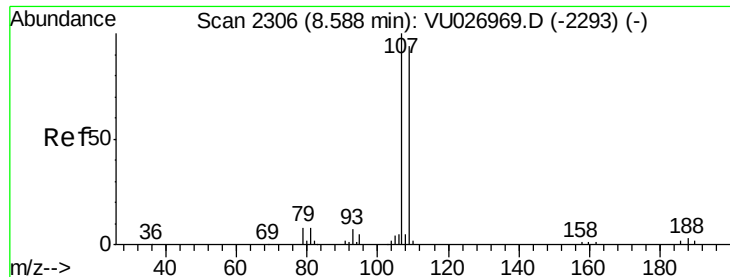
MMDadoda
 9/24/2018 4:40:30 PM



#60
 Dibromochloromethane
 Concen: 52.274 ug/l
 RT: 8.48 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VU027041.D
 Acq: 23 Sep 2018 01:28

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.1	114.5





#61

1,2-Dibromoethane

Concen: 51.812 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VU027041.D

Acq: 23 Sep 2018 01:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 74012

Ion Ratio Lower Upper

107 100

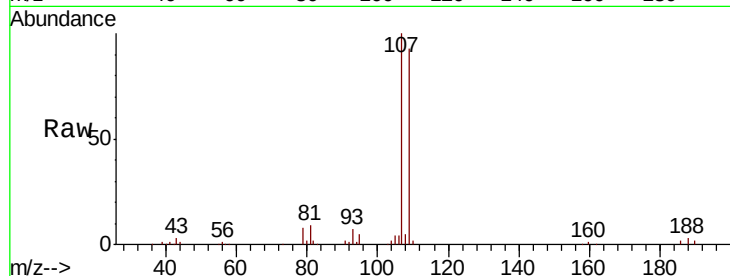
109 92.6 75.0 112.6

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

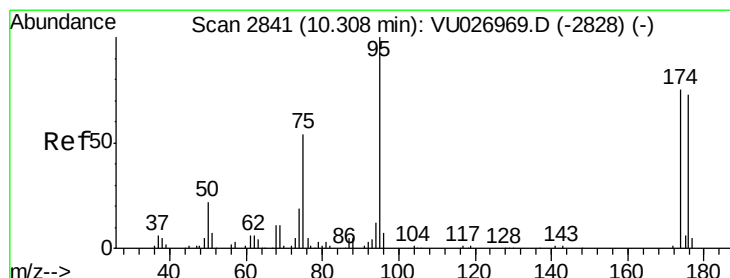
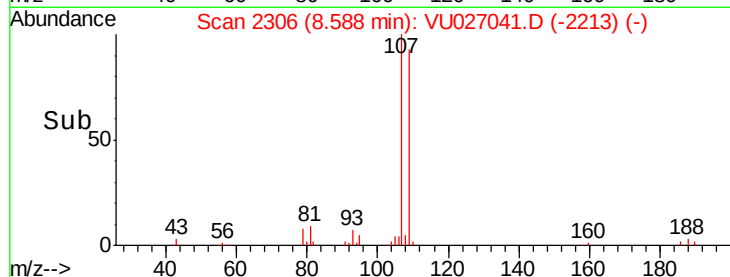
20000

10000

0

Time-->

8.50 8.55 8.60 8.65 8.70



#62

4-Bromofluorobenzene

Concen: 53.919 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027041.D

Acq: 23 Sep 2018 01:28

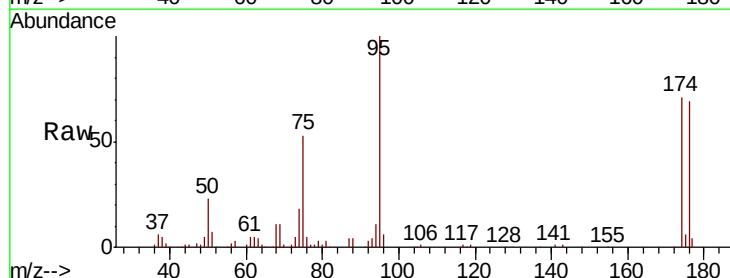
Tgt Ion: 95 Resp: 85151

Ion Ratio Lower Upper

95 100

174 72.0 0.0 150.2

176 69.3 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

10.31

60000

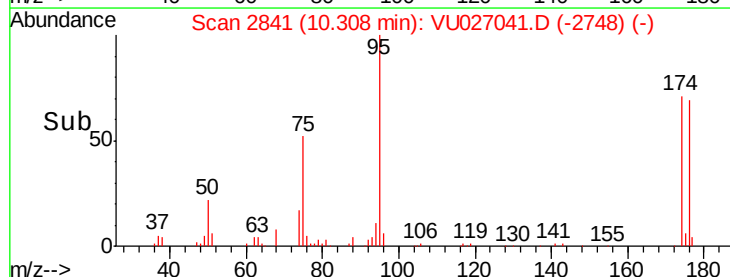
40000

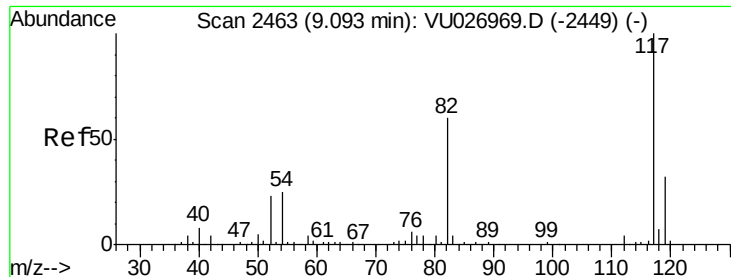
20000

0

Time-->

10.25 10.30 10.35 10.40





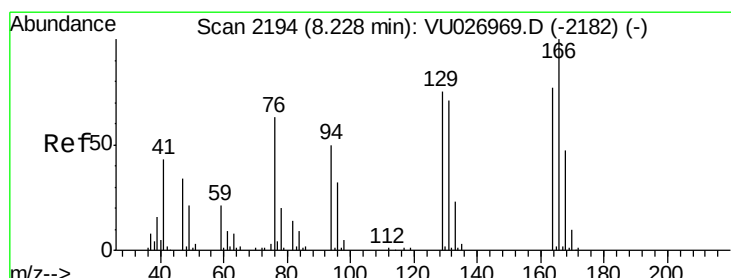
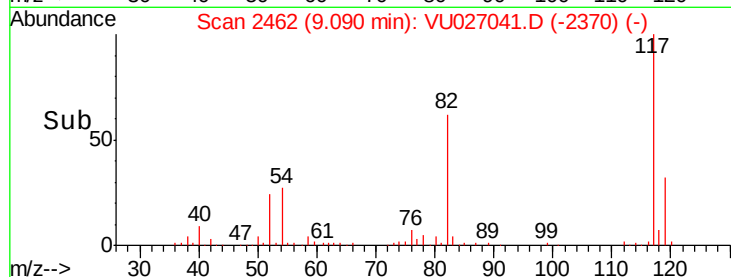
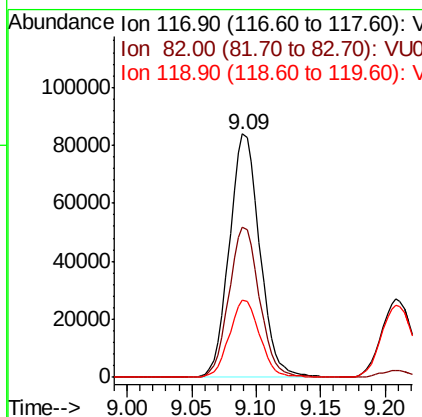
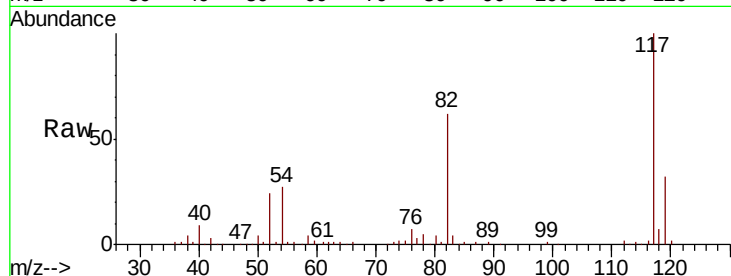
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027041.D
Acq: 23 Sep 2018 01:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.5	48.0	72.0
119	31.7	25.8	38.8

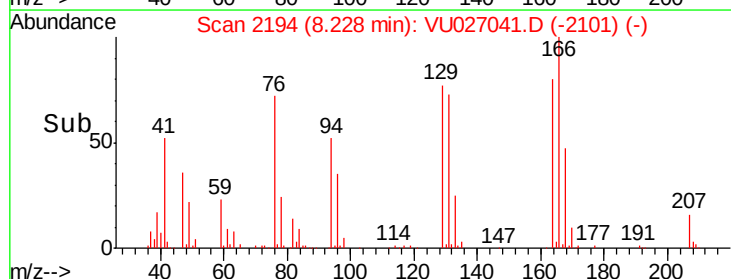
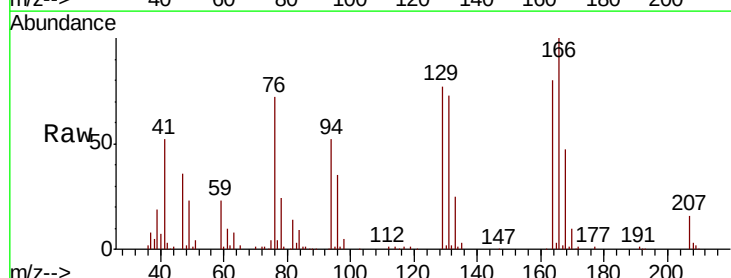
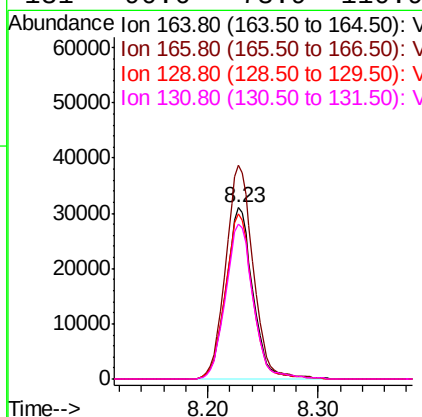
Manual Integrations
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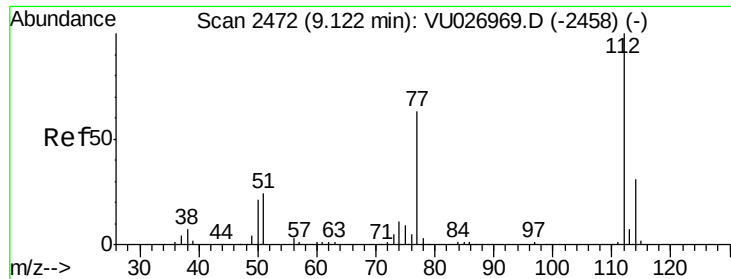
MMDadoda
9/24/2018 4:40:30 PM



#64
Tetrachloroethene
Concen: 49.534 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027041.D
Acq: 23 Sep 2018 01:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.5	104.4	156.6
129	96.2	78.7	118.1
131	90.6	73.9	110.9





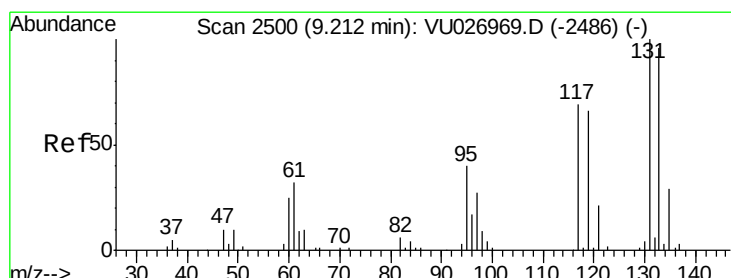
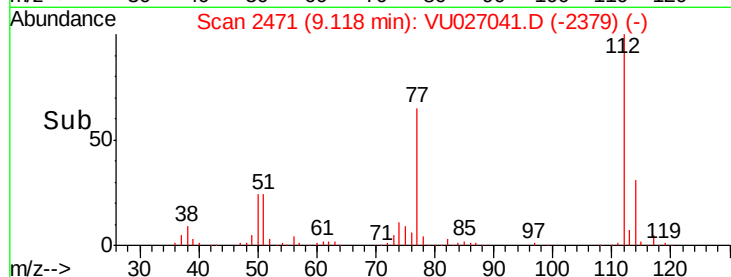
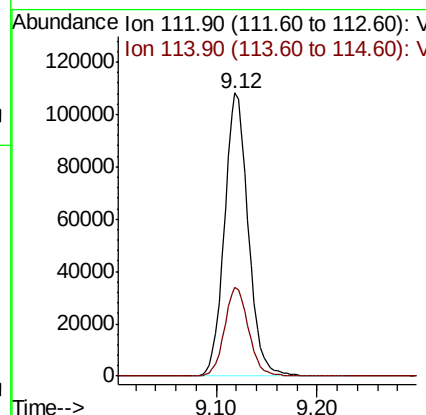
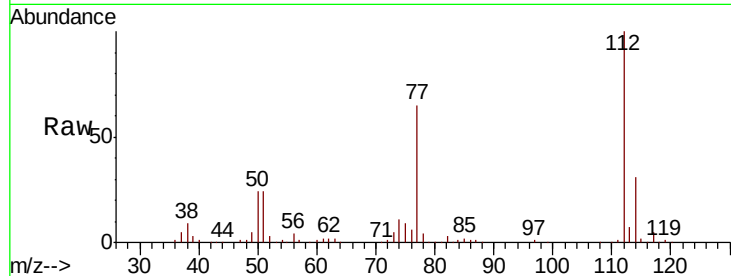
#65
Chlorobenzene
Concen: 48.886 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU027041.D
Acq: 23 Sep 2018 01:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 178110
Ion Ratio Lower Upper
112 100
114 31.2 25.0 37.6

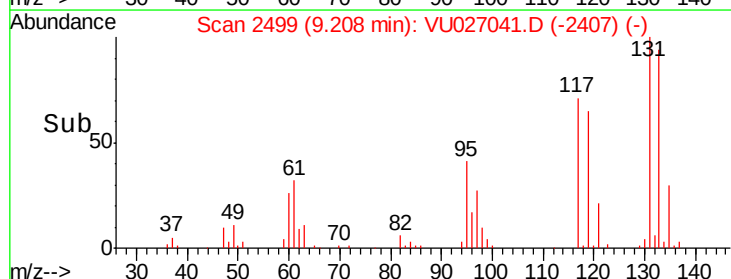
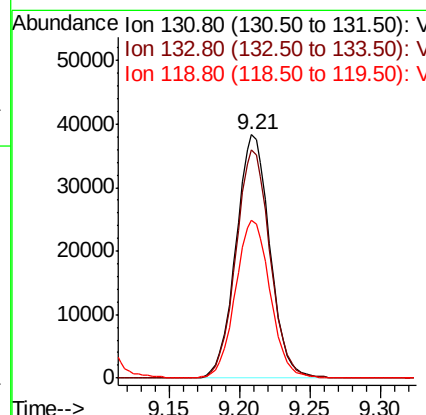
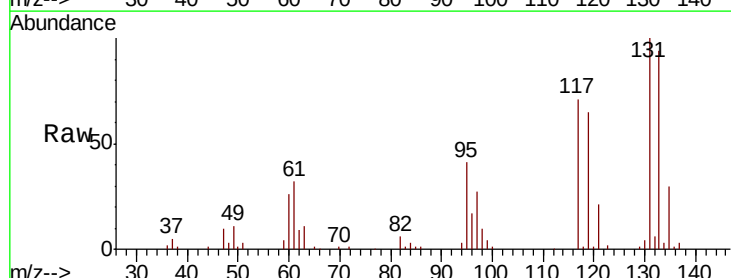
Manual Integrations
APPROVED

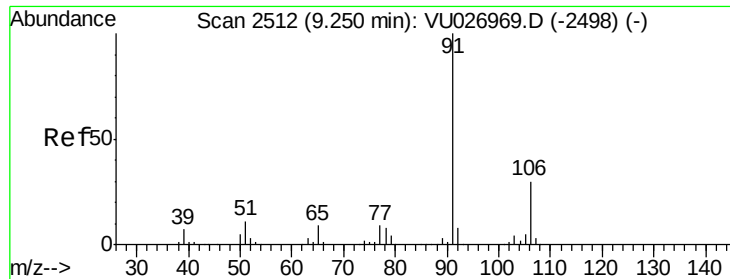
MMDadoda
9/24/2018 4:40:30 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.457 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU027041.D
Acq: 23 Sep 2018 01:28

Tgt Ion:131 Resp: 64574
Ion Ratio Lower Upper
131 100
133 94.5 48.0 144.2
119 66.4 33.4 100.1





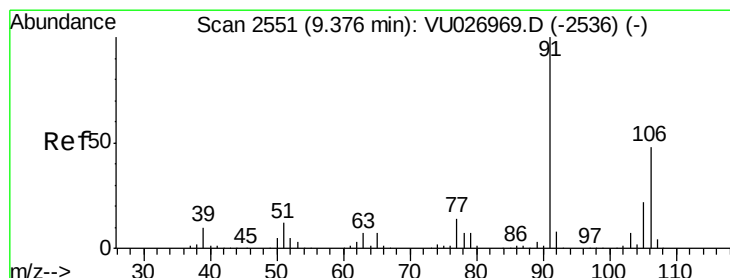
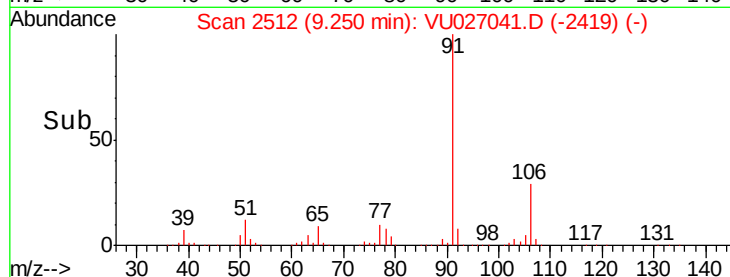
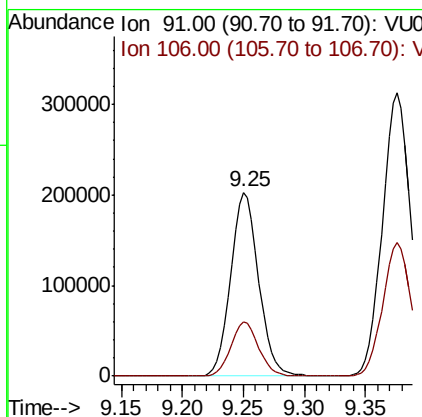
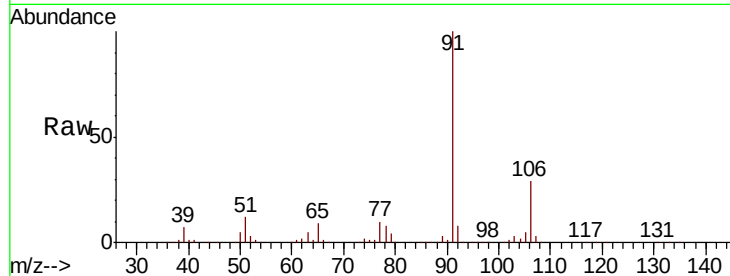
#67
Ethyl Benzene
Concen: 54.168 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU027041.D
Acq: 23 Sep 2018 01:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 324525
Ion Ratio Lower Upper
91 100
106 29.3 23.8 35.8

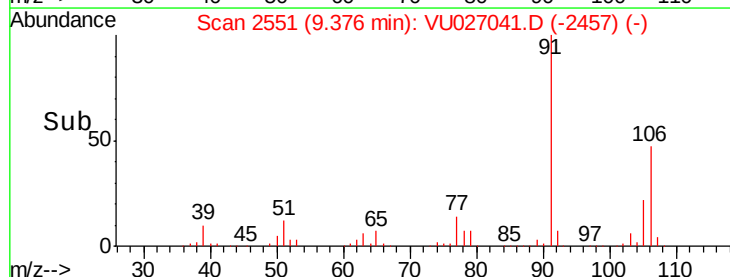
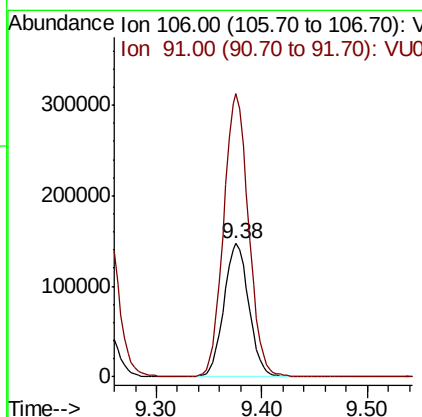
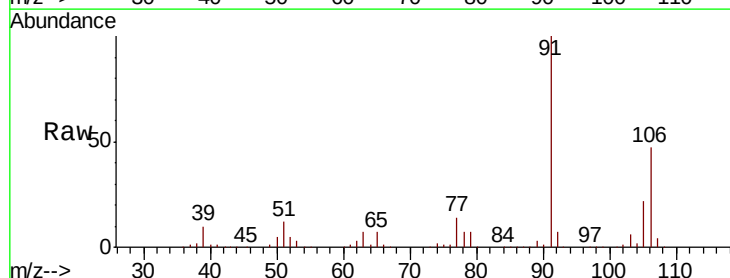
Manual Integrations
APPROVED

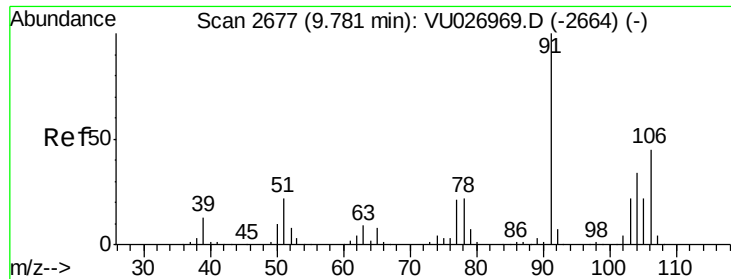
MMDadoda
9/24/2018 4:40:30 PM



#68
m/p-Xylenes
Concen: 99.561 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027041.D
Acq: 23 Sep 2018 01:28

Tgt Ion: 106 Resp: 241550
Ion Ratio Lower Upper
106 100
91 211.8 166.5 249.7





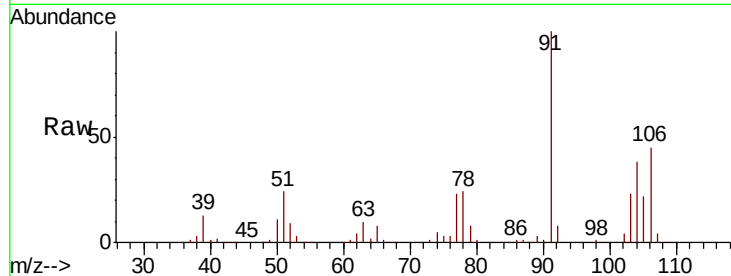
#69
o-Xylene
Concen: 54.593 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027041.D
Acq: 23 Sep 2018 01:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

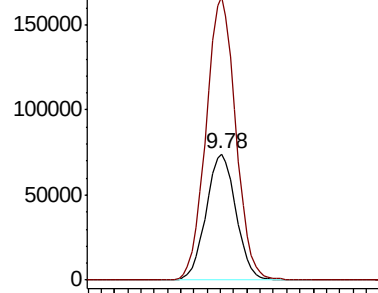
Tot Ion	Ratio	Lower	Upper
106	100		
91	223.1	110.2	330.6

Manual Integrations
APPROVED

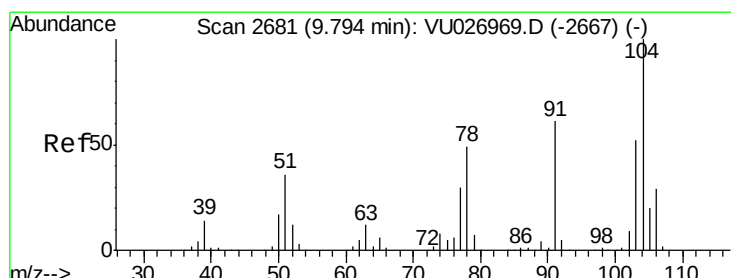
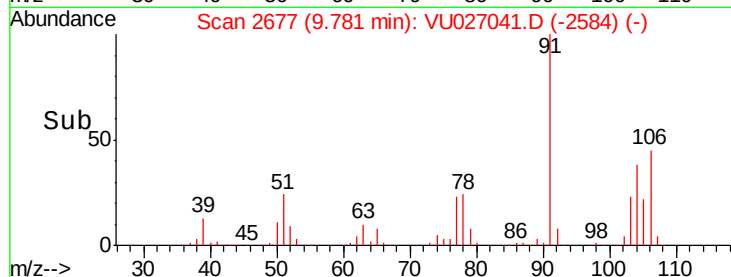
MMDadoda
9/24/2018 4:40:30 PM



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

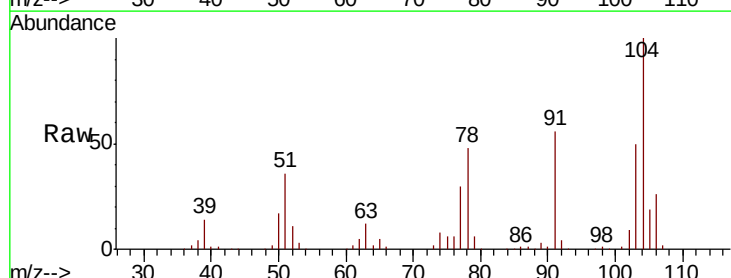


Time-->

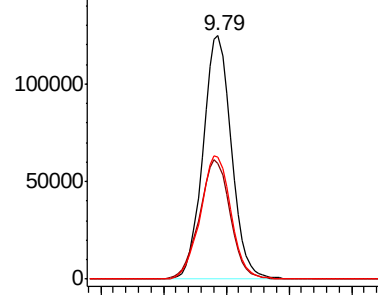


#70
Styrene
Concen: 49.671 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027041.D
Acq: 23 Sep 2018 01:28

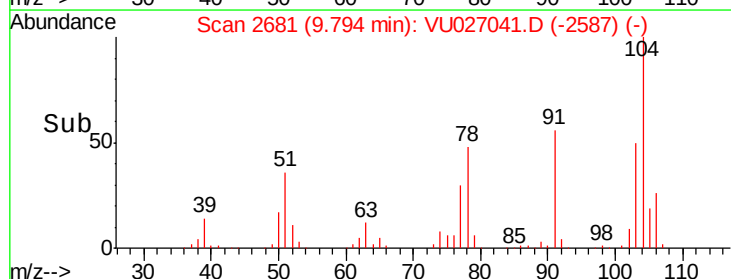
Tgt Ion	Ratio	Lower	Upper
104	100		
78	53.0	43.0	64.4
103	54.4	44.1	66.1

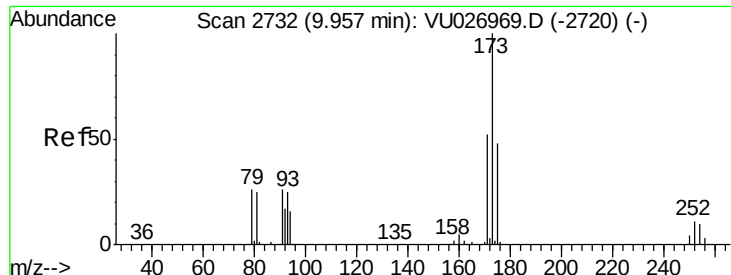


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V



Time-->





#71

Bromoform

Concen: 52.174 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU027041.D

Acq: 23 Sep 2018 01:28

Instrument :

MSVOA_U

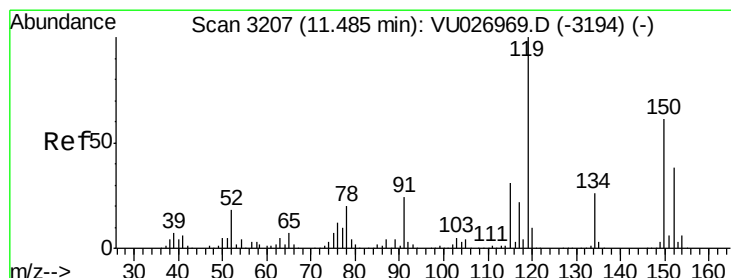
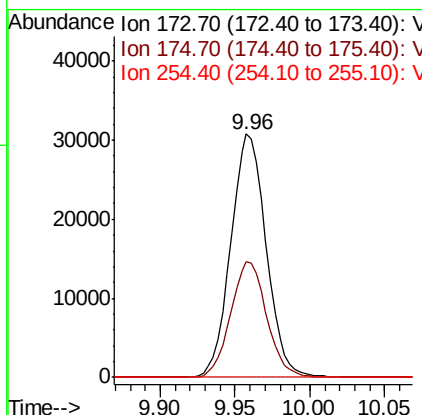
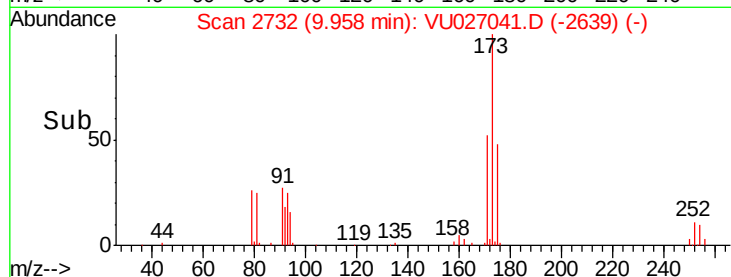
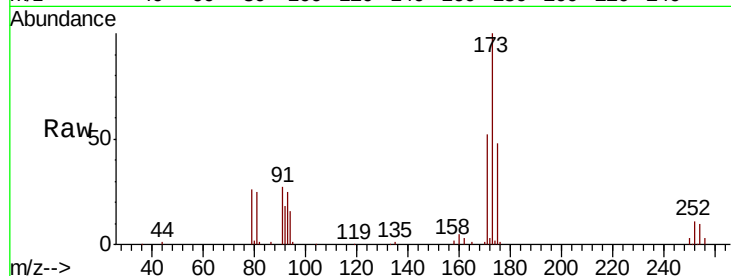
ClientSampleId :

VSTDCCC050

Tot Ion:	173	Resp:	50631
Ion Ratio	Lower	Upper	
173	100		
175	48.3	23.9	71.8
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

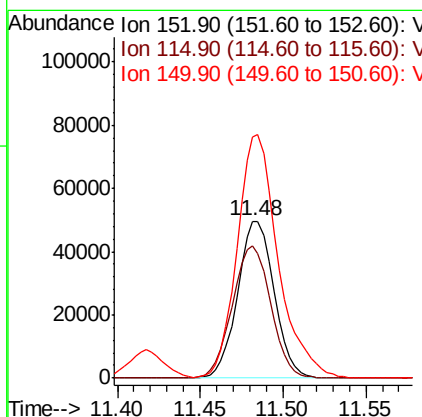
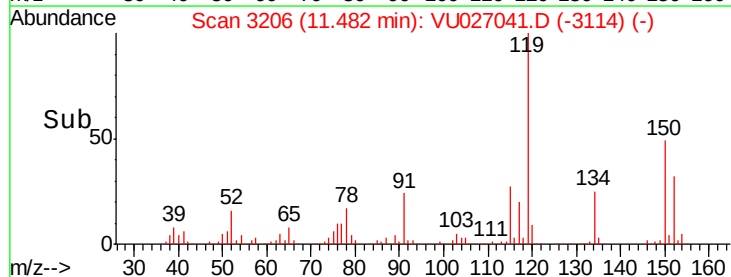
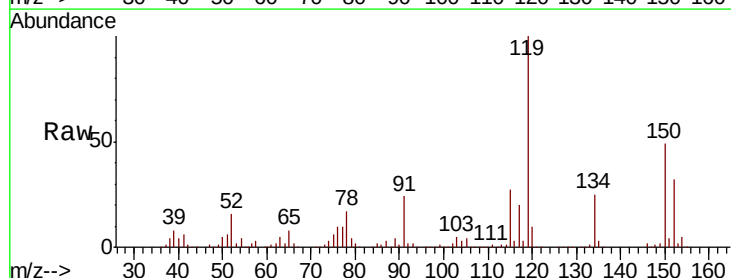
RT: 11.48 min Scan# 3206

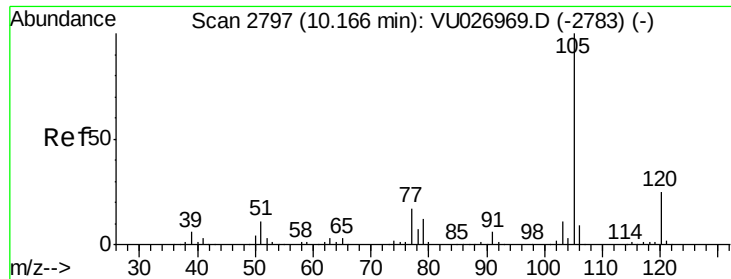
Delta R.T. -0.00 min

Lab File: VU027041.D

Acq: 23 Sep 2018 01:28

Tgt Ion:	152	Resp:	76145
Ion Ratio	Lower	Upper	
152	100		
115	88.6	44.9	134.5
150	173.8	0.0	355.8





#73

Isopropylbenzene

Concen: 55.050 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027041.D

Acq: 23 Sep 2018 01:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 318864

Ion Ratio Lower Upper

105 100

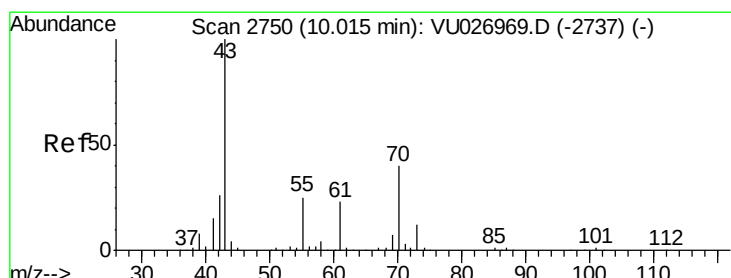
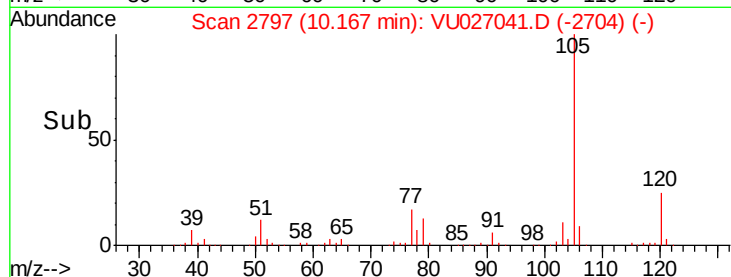
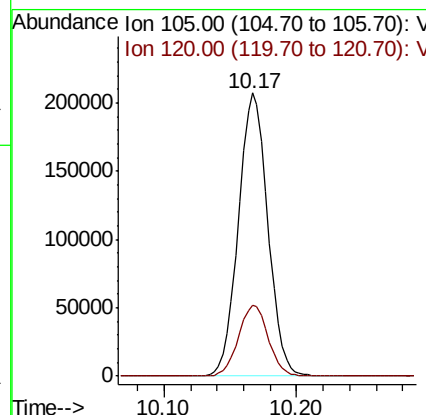
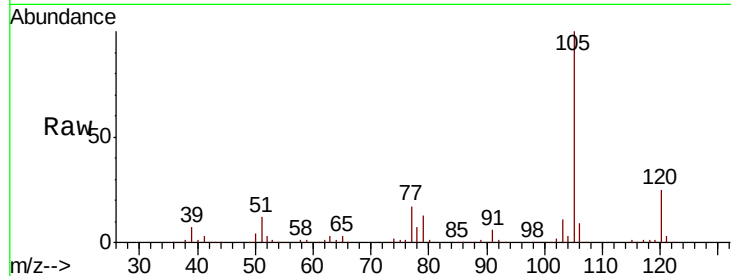
120 25.3 12.8 38.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 55.435 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU027041.D

Acq: 23 Sep 2018 01:28

Tgt Ion: 43 Resp: 185863

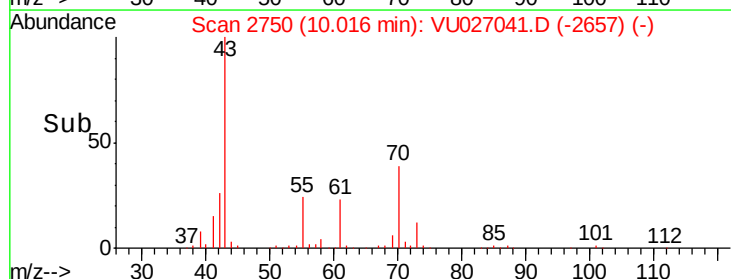
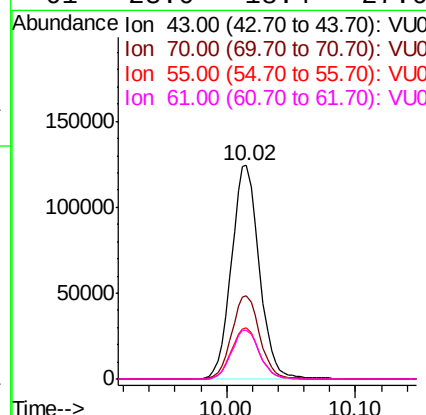
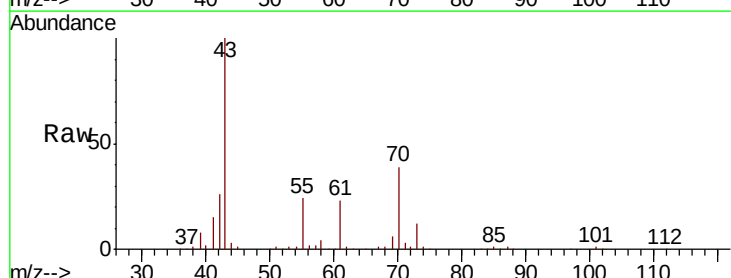
Ion Ratio Lower Upper

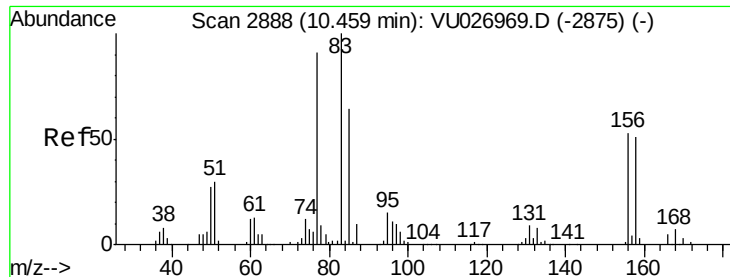
43 100

70 39.2 31.8 47.8

55 24.0 19.9 29.9

61 23.0 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 46.715 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027041.D

Acq: 23 Sep 2018 01:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 124408
Ion Ratio Lower Upper

83 100

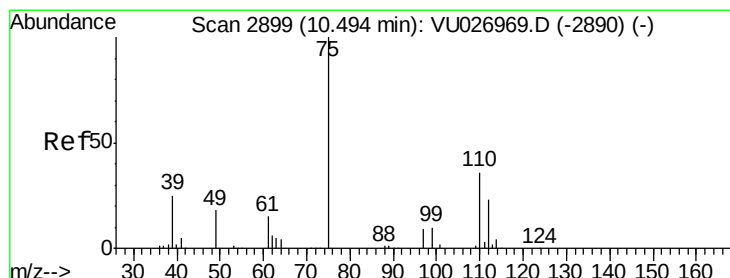
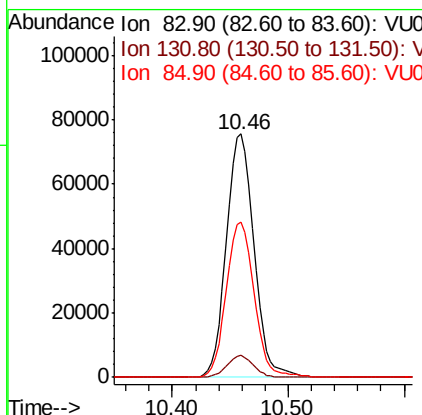
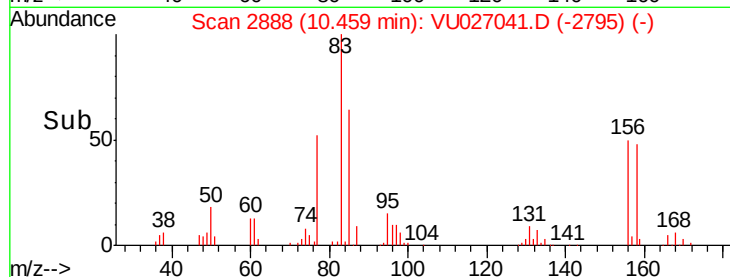
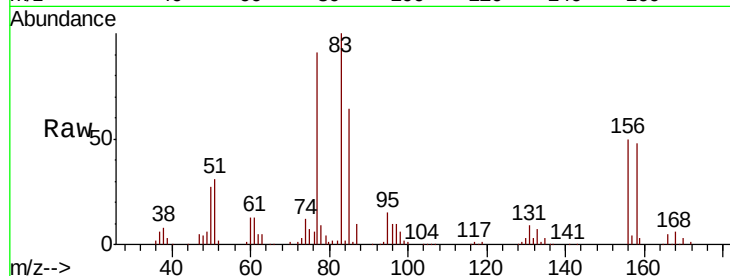
131 8.4 4.3 12.8

85 64.4 31.9 95.7

Manual Integrations
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9/24/2018 4:40:30 PM



#76

1,2,3-Trichloropropane

Concen: 46.425 ug/l m

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

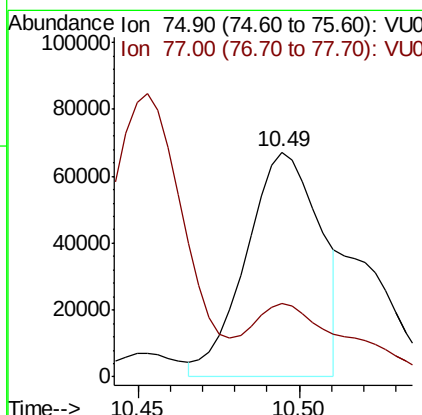
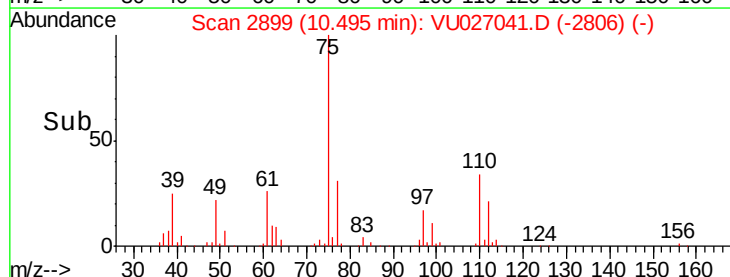
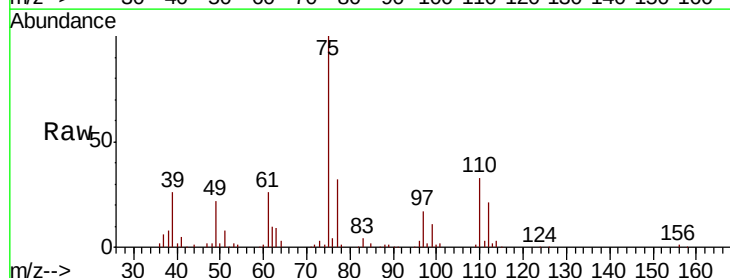
Lab File: VU027041.D

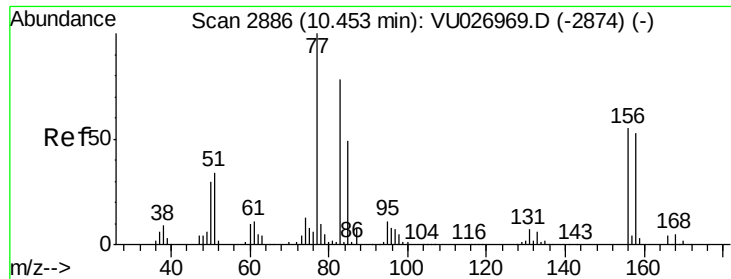
Acq: 23 Sep 2018 01:28

Tgt Ion: 75 Resp: 107393
Ion Ratio Lower Upper

75 100

77 43.1 20.9 62.8





#77

Bromobenzene

Concen: 51.107 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU027041.D

Acq: 23 Sep 2018 01:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 72339

Ion Ratio Lower Upper

156 100

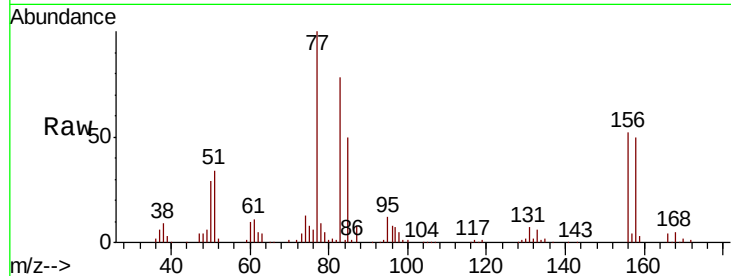
77 189.9 92.3 276.9

158 94.3 48.1 144.3

Manual Integrations
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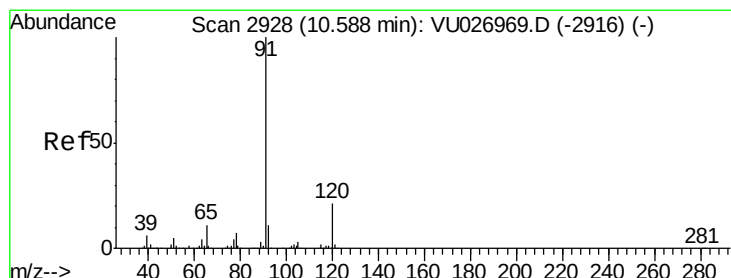
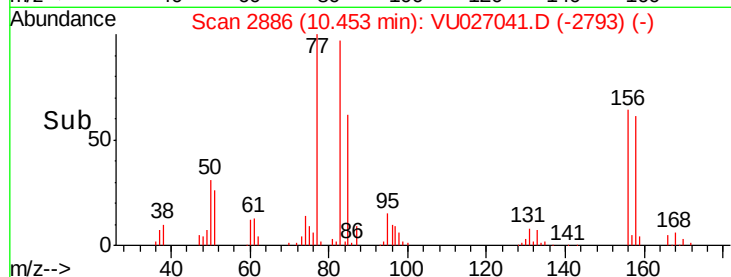
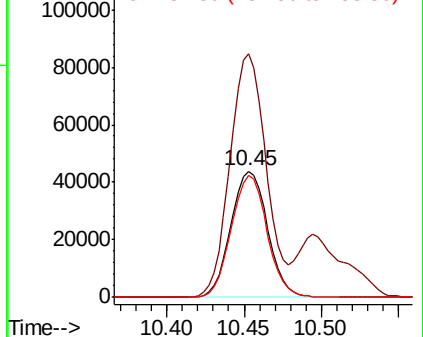
9/24/2018 4:40:30 PM



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: 56.324 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU027041.D

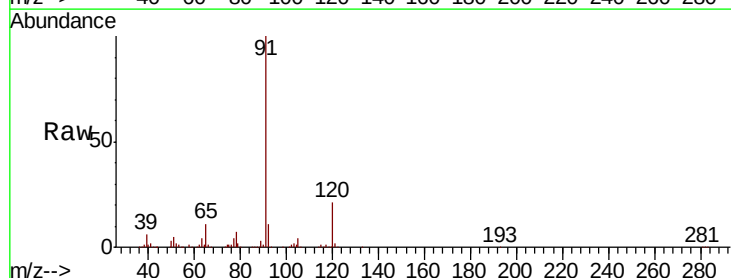
Acq: 23 Sep 2018 01:28

Tgt Ion: 91 Resp: 386019

Ion Ratio Lower Upper

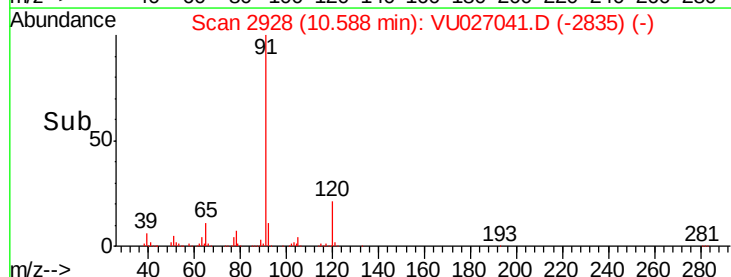
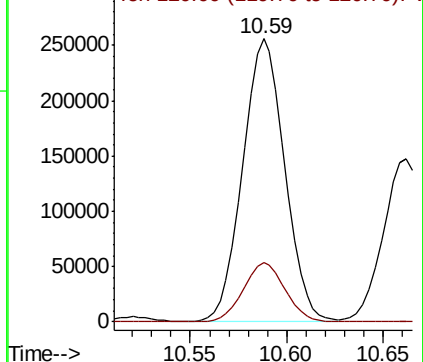
91 100

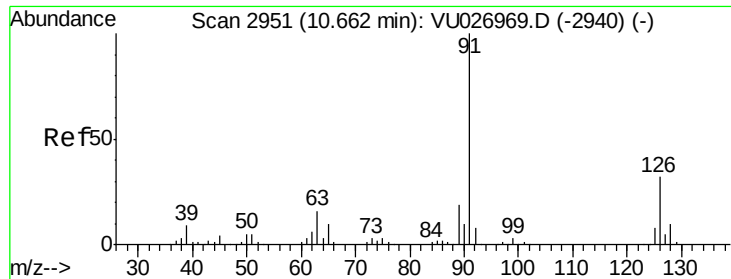
120 20.9 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





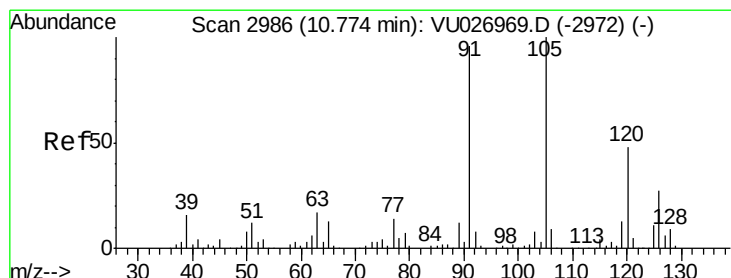
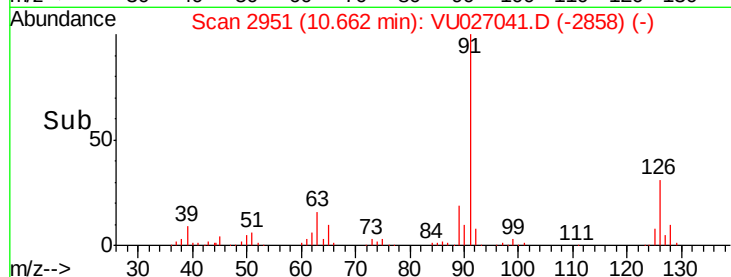
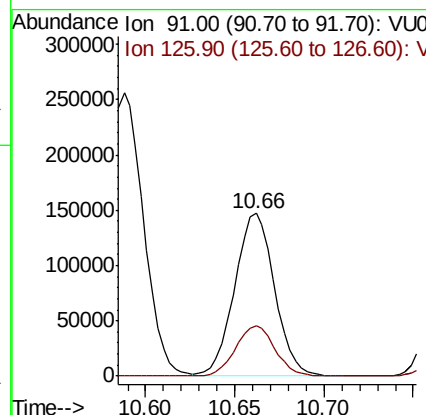
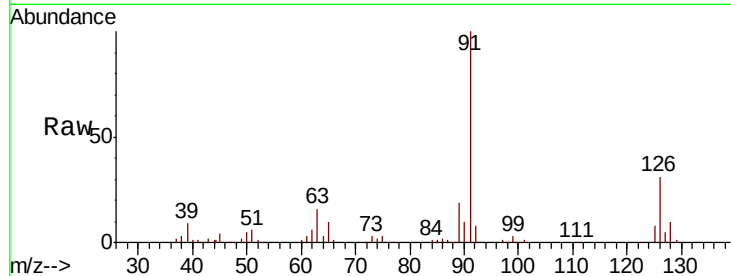
#79
 2-Chlorotoluene
 Concen: 53.045 ug/l
 RT: 10.66 min Scan# 2951
 Delta R.T. 0.00 min
 Lab File: VU027041.D
 Acq: 23 Sep 2018 01:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 228354
 Ion Ratio Lower Upper
 91 100
 126 30.9 15.8 47.3

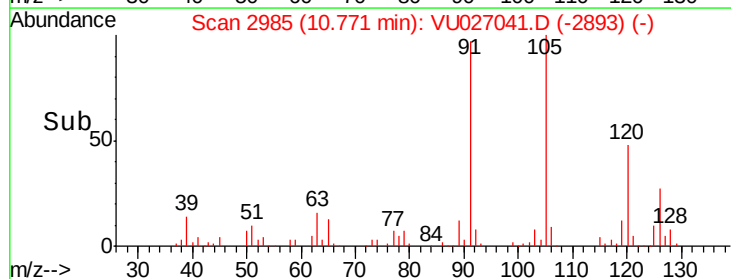
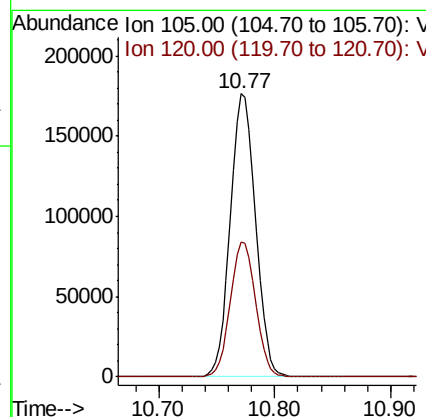
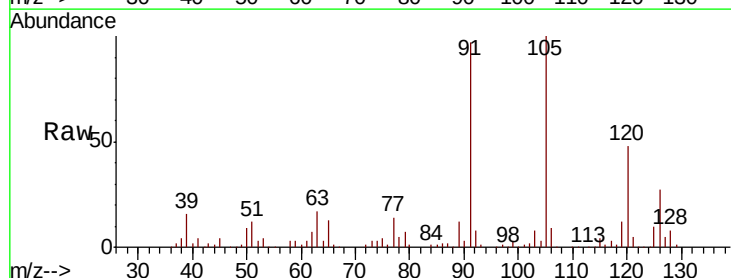
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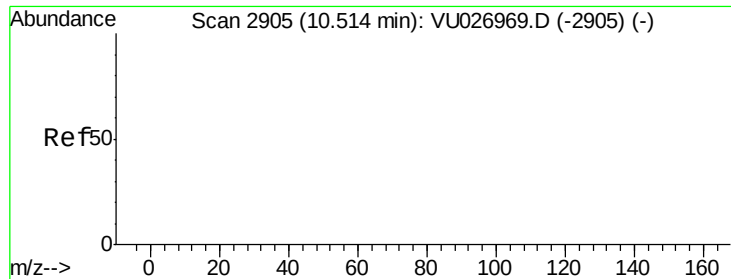
MMDadoda
 9/24/2018 4:40:30 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 55.451 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU027041.D
 Acq: 23 Sep 2018 01:28

Tgt Ion: 105 Resp: 265132
 Ion Ratio Lower Upper
 105 100
 120 47.7 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 47.772 ug/l

RT: 10.51 min Scan# 2905

Delta R.T. 0.00 min

Lab File: VU027041.D

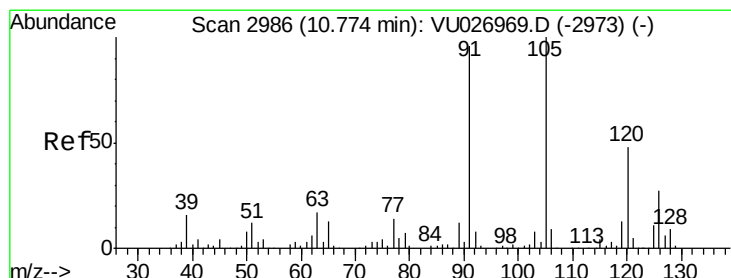
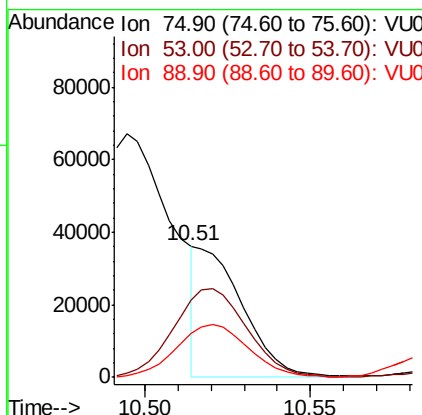
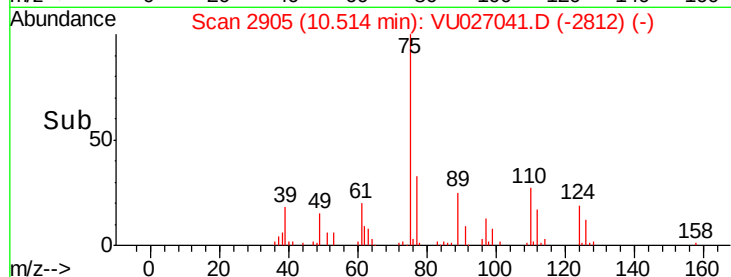
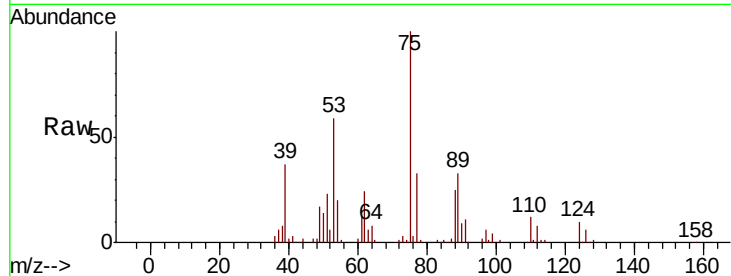
Acq: 23 Sep 2018 01:28

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

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#82

4-Chlorotoluene

Concen: 53.757 ug/l

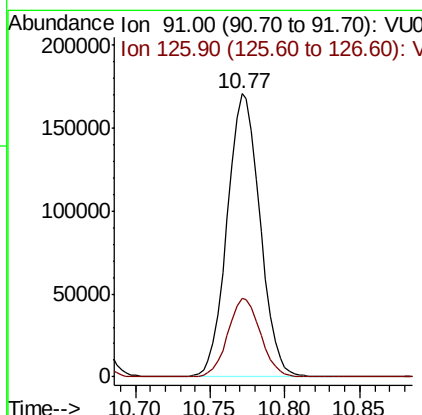
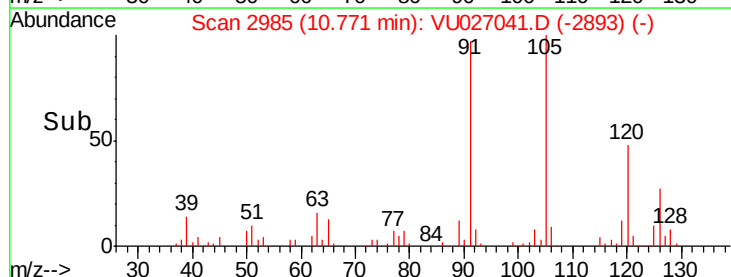
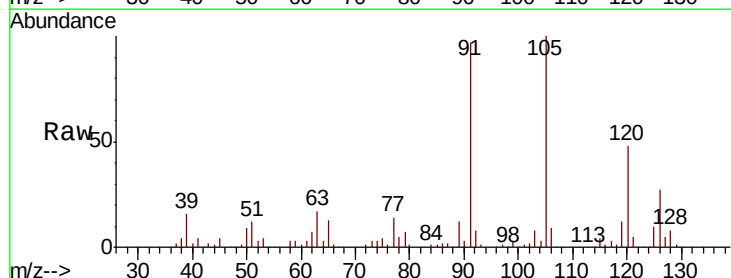
RT: 10.77 min Scan# 2985

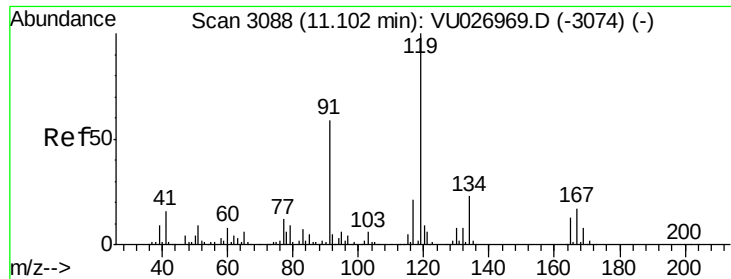
Delta R.T. -0.00 min

Lab File: VU027041.D

Acq: 23 Sep 2018 01:28

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.6	14.1	42.2





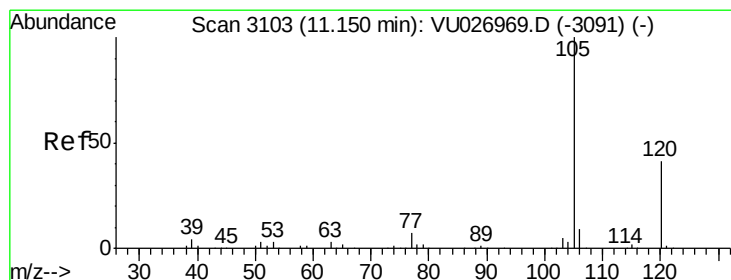
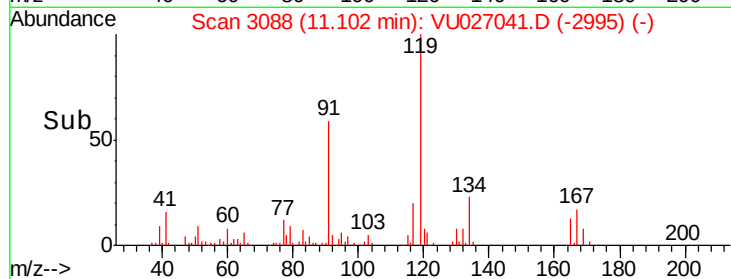
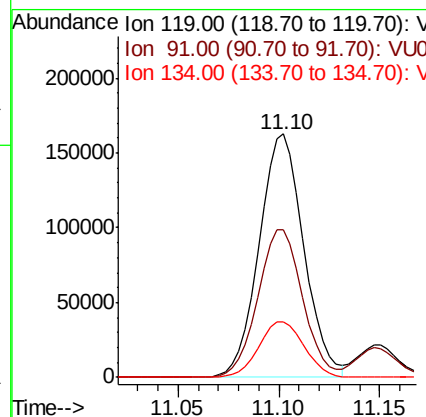
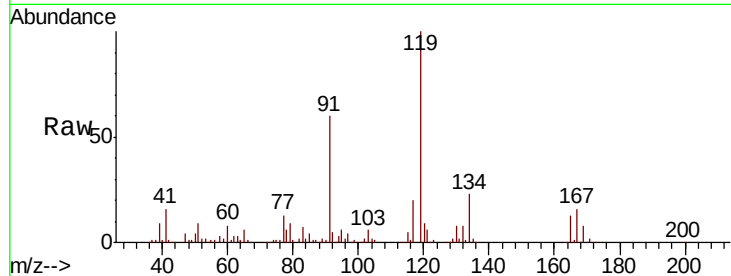
#83
tert-Butylbenzene
Concen: 53.097 ug/l
RT: 11.10 min Scan# 3088
Delta R.T. 0.00 min
Lab File: VU027041.D
Acq: 23 Sep 2018 01:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	250998		
91	60.8		29.8	89.4
134	23.3		11.5	34.4

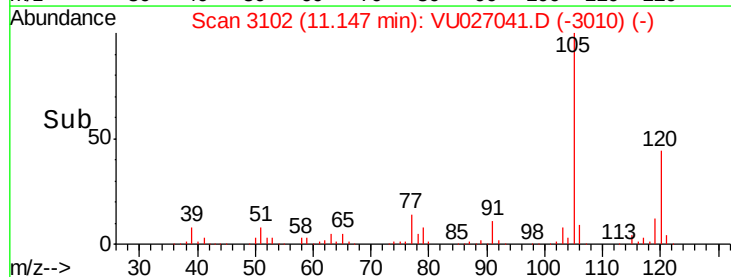
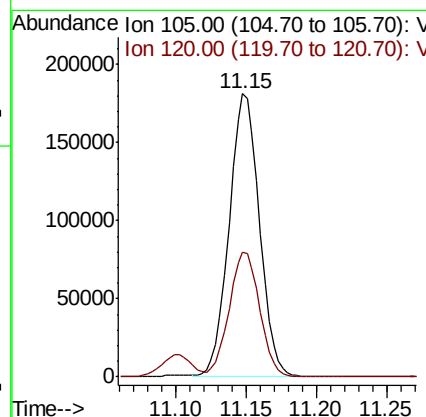
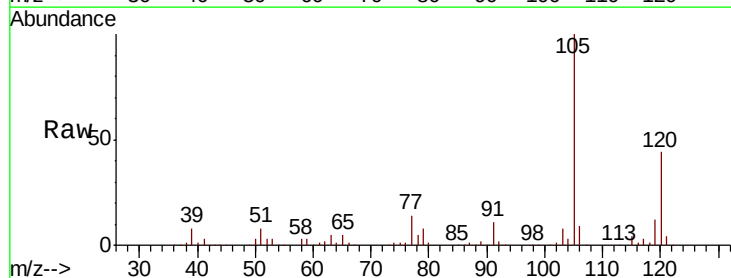
Manual Integrations
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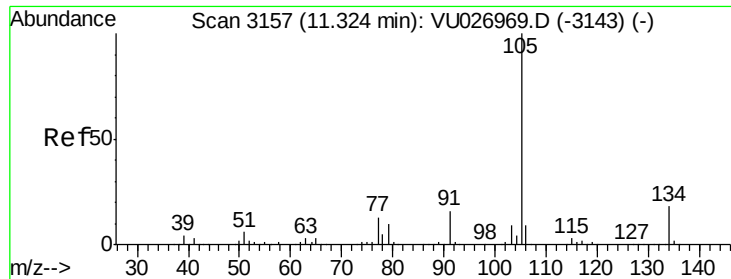
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 55.770 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU027041.D
Acq: 23 Sep 2018 01:28

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	271376		
120	44.4		22.4	67.2





#85

sec-Butylbenzene

Concen: 55.709 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU027041.D

Acq: 23 Sep 2018 01:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 321464

Ion Ratio Lower Upper

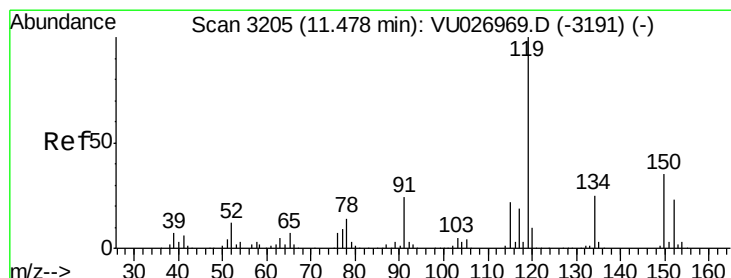
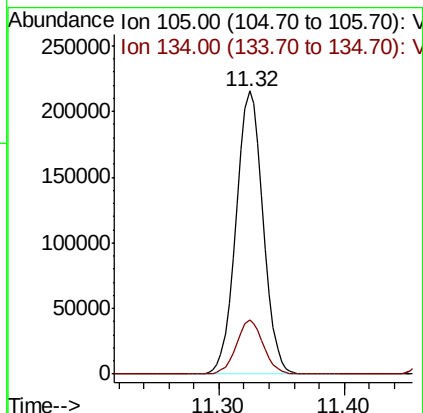
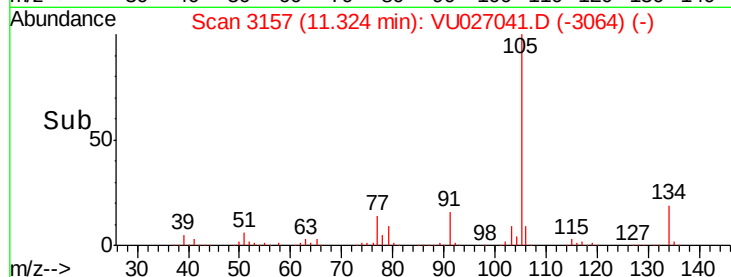
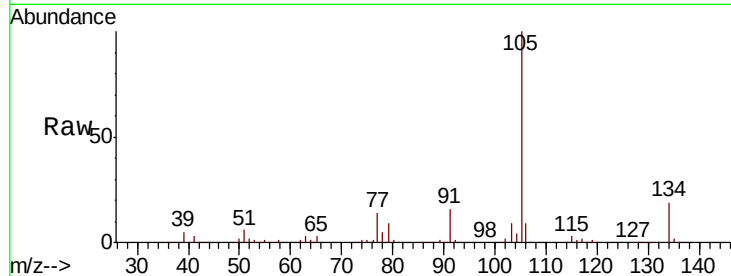
105 100

134 19.0 9.4 28.2

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 50.431 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU027041.D

Acq: 23 Sep 2018 01:28

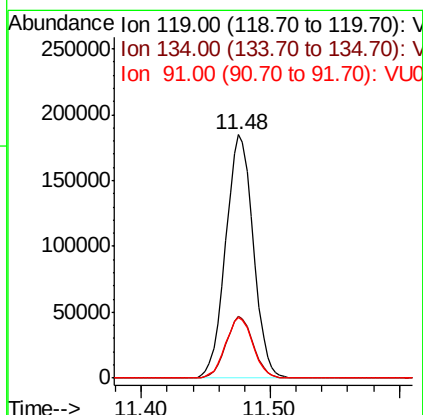
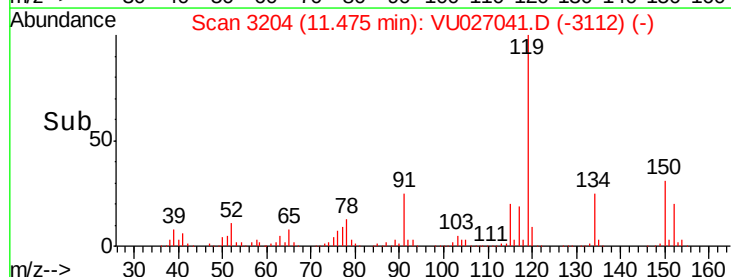
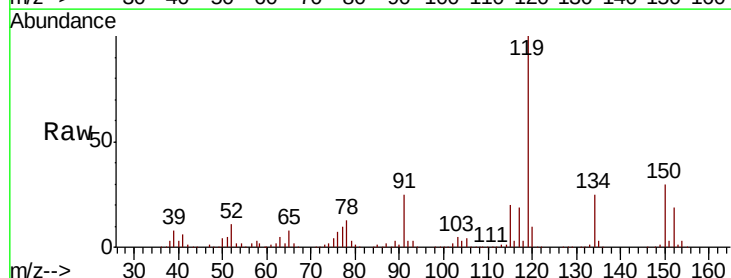
Tgt Ion:119 Resp: 273108

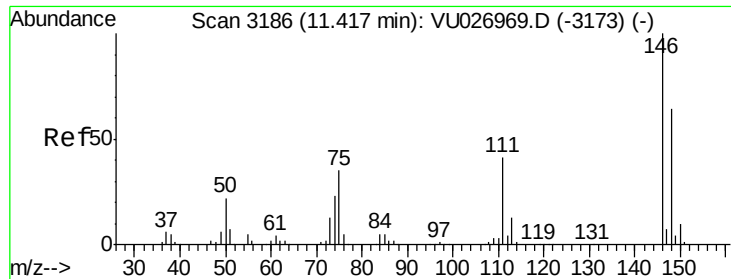
Ion Ratio Lower Upper

119 100

134 25.0 12.8 38.3

91 24.7 12.3 36.8





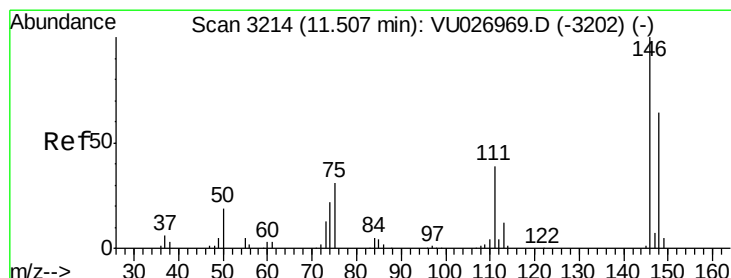
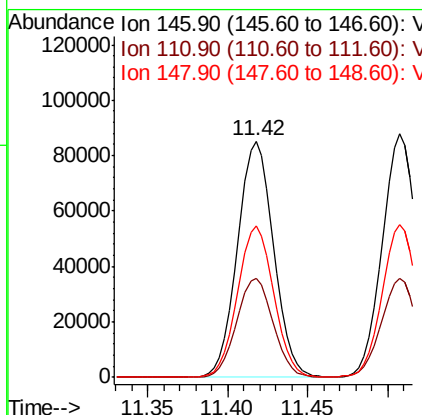
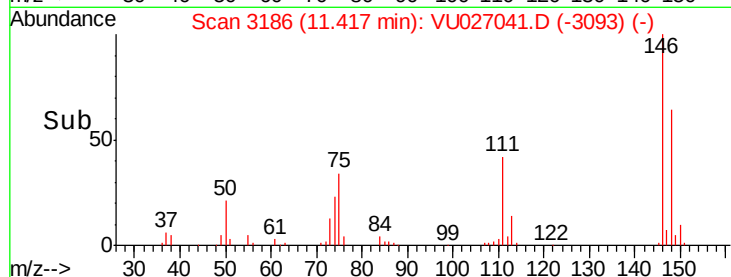
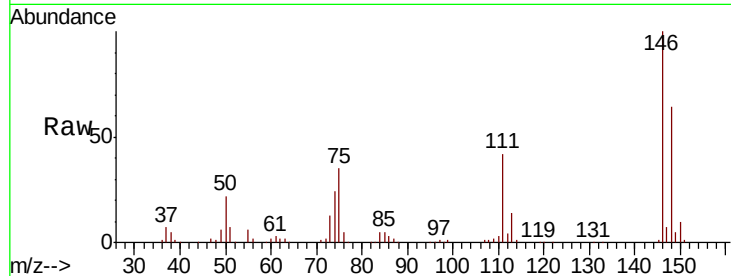
#87
 1,3-Dichlorobenzene
 Concen: 49.727 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU027041.D
 Acq: 23 Sep 2018 01:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.8	62.2
148	64.1	32.0	96.2

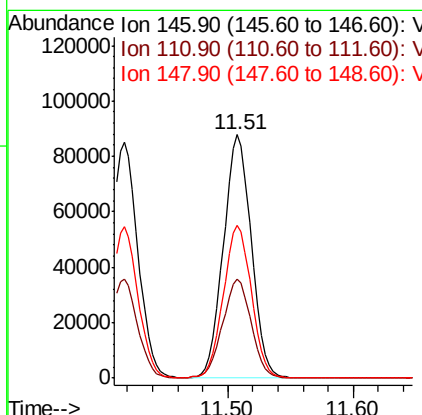
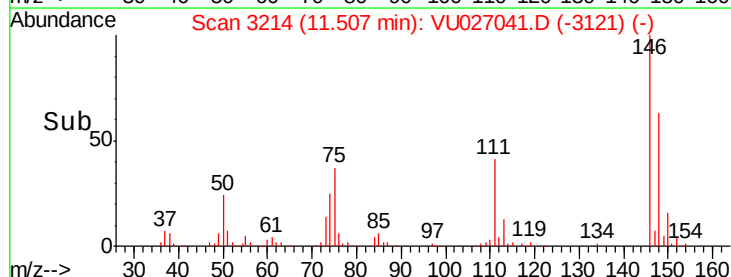
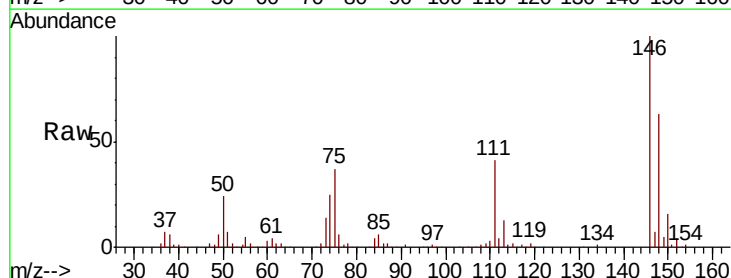
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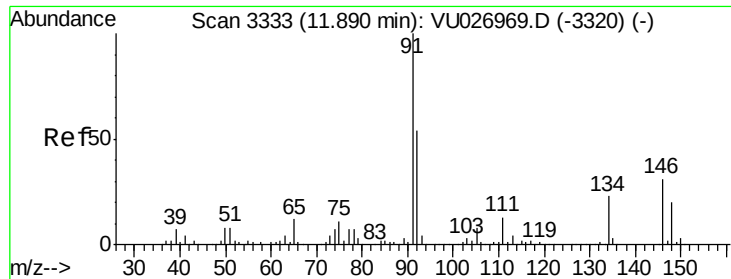
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 47.177 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU027041.D
 Acq: 23 Sep 2018 01:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.3	60.9
148	63.0	31.9	95.9





#89

n-Butylbenzene

Concen: 49.031 ug/l

RT: 11.89 min Scan# 3333

Delta R.T. 0.00 min

Lab File: VU027041.D

Acq: 23 Sep 2018 01:28

Instrument :

MSVOA_U

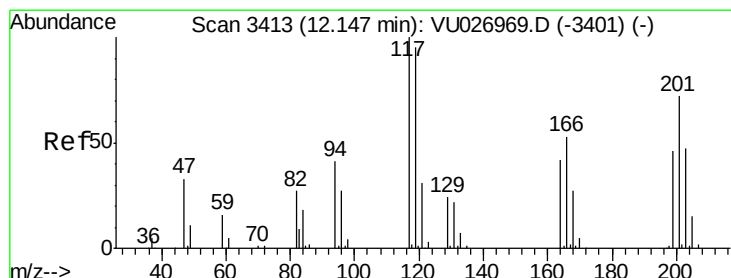
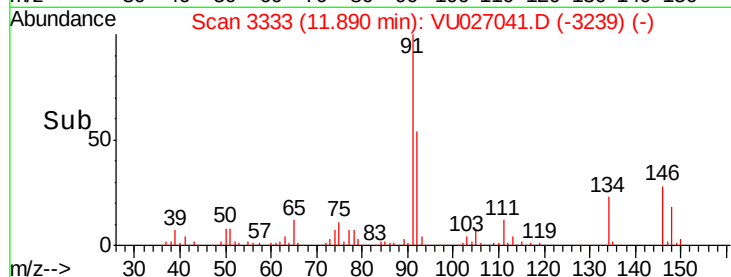
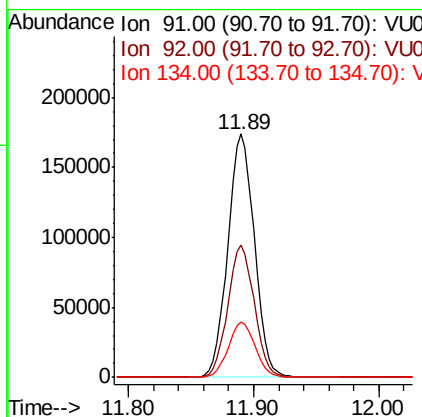
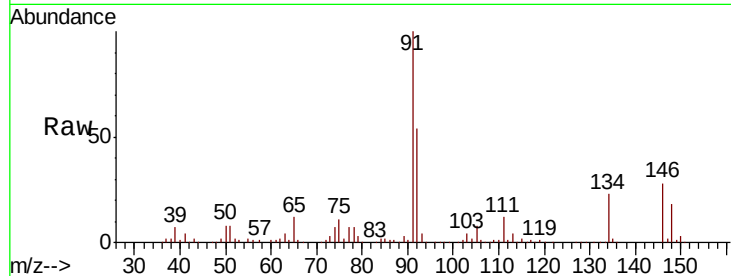
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	257096
Ion Ratio	Lower	Upper	
91	100		
92	53.9	27.1	81.2
134	22.8	11.7	35.0

Manual Integrations
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#90

Hexachloroethane

Concen: 48.507 ug/l

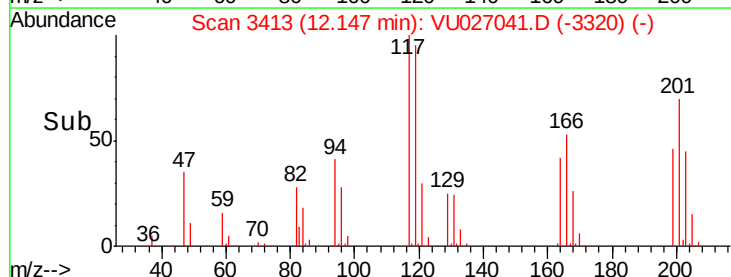
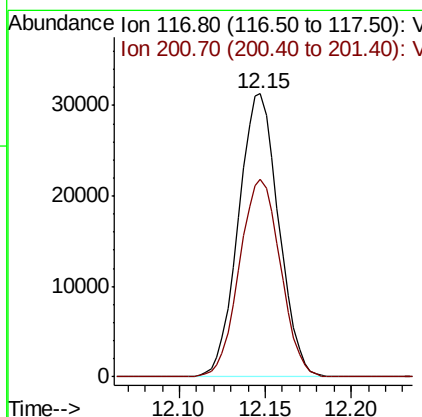
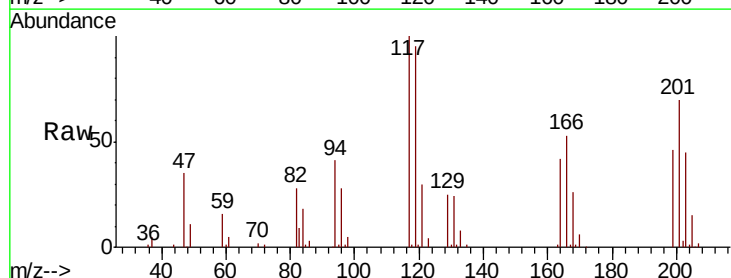
RT: 12.15 min Scan# 3413

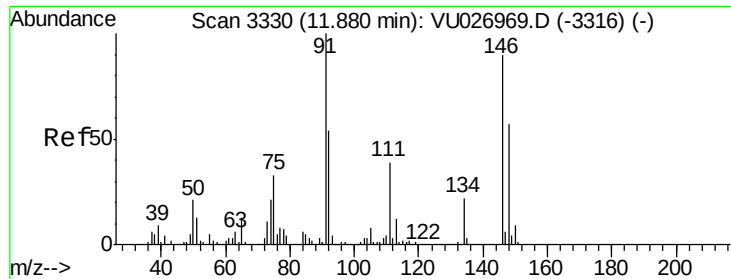
Delta R.T. 0.00 min

Lab File: VU027041.D

Acq: 23 Sep 2018 01:28

Tgt Ion:	117	Resp:	50900
Ion Ratio	Lower	Upper	
117	100		
201	71.3	36.8	110.3





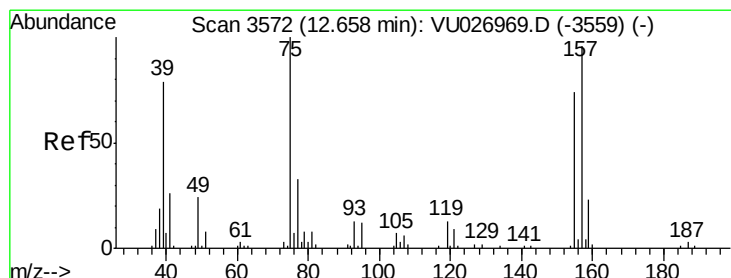
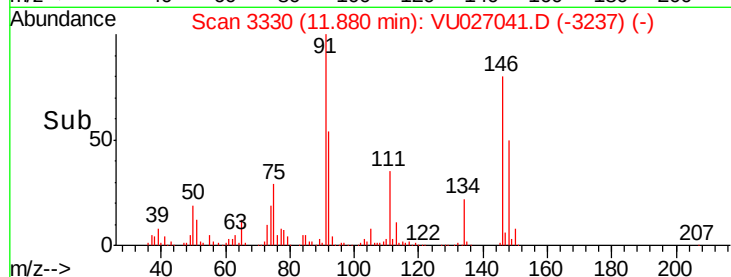
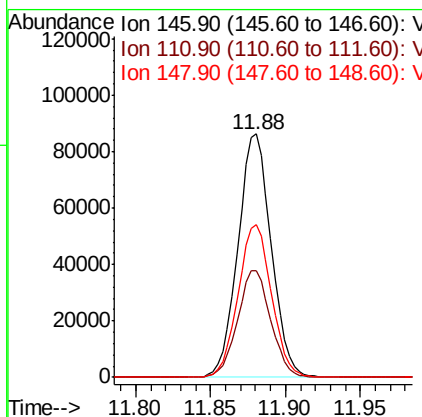
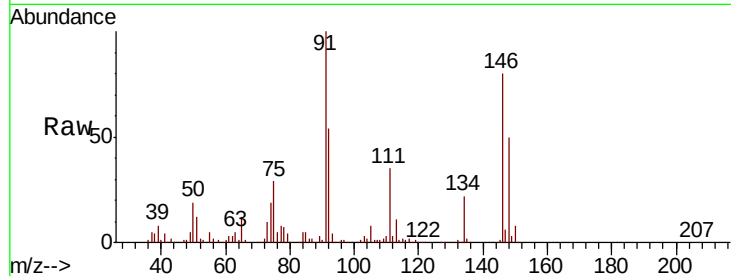
#91
 1,2-Dichlorobenzene
 Concen: 47.795 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027041.D
 Acq: 23 Sep 2018 01:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.8	65.3
148	62.9	31.9	95.7

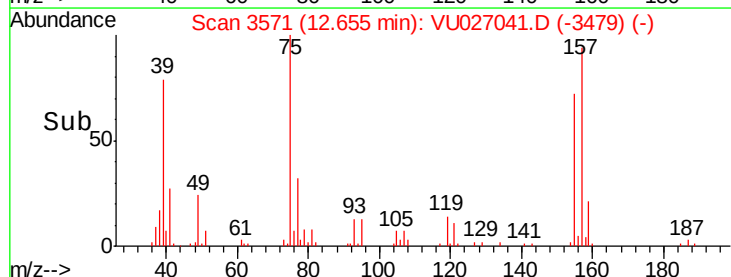
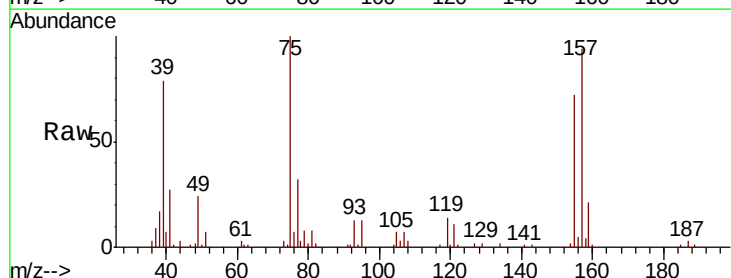
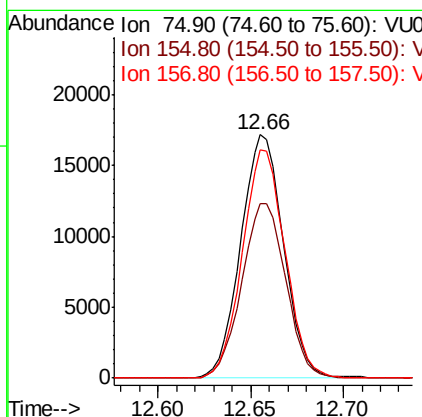
Manual Integrations
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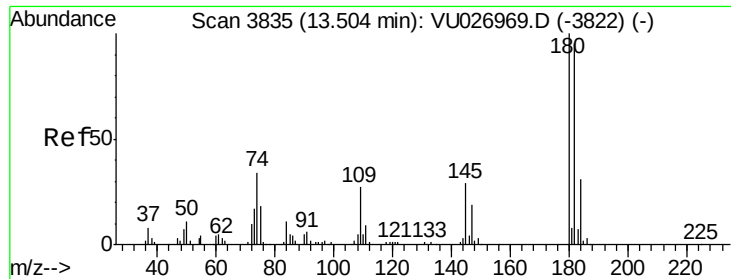
MMDadoda
 9/24/2018 4:40:30 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.712 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU027041.D
 Acq: 23 Sep 2018 01:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.5	36.6	109.8
157	93.2	47.4	142.2





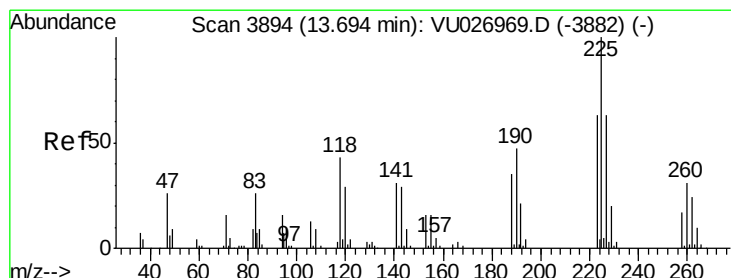
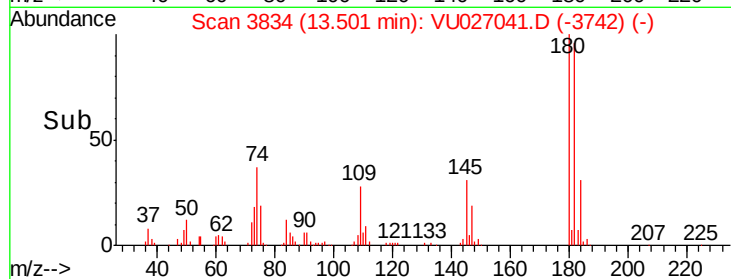
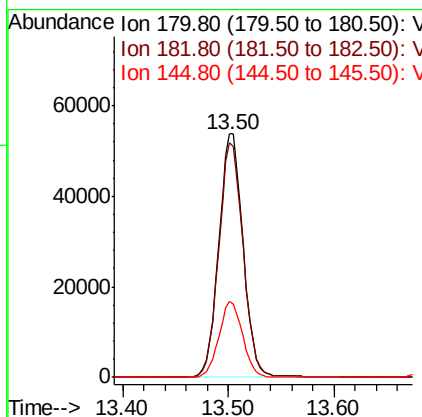
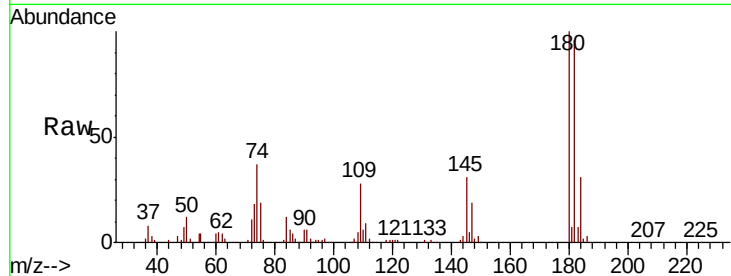
#93
 1,2,4-Trichlorobenzene
 Concen: 53.153 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU027041.D
 Acq: 23 Sep 2018 01:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.4	142.2
145	30.5	14.9	44.5

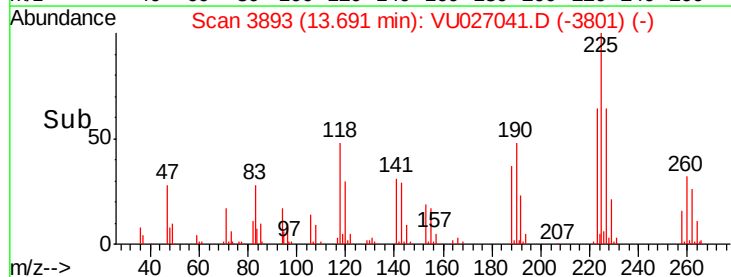
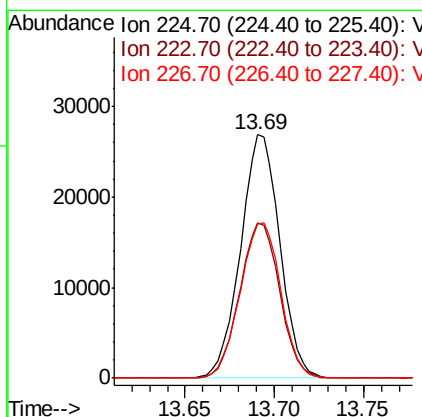
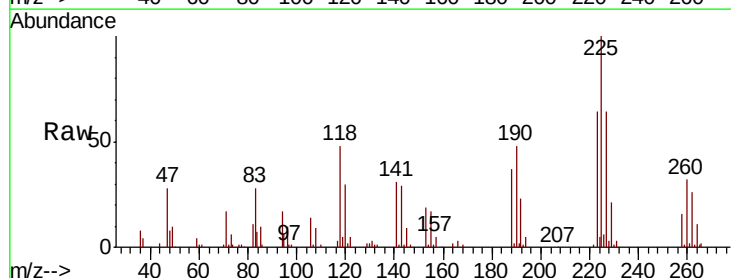
Manual Integrations
 APPROVED

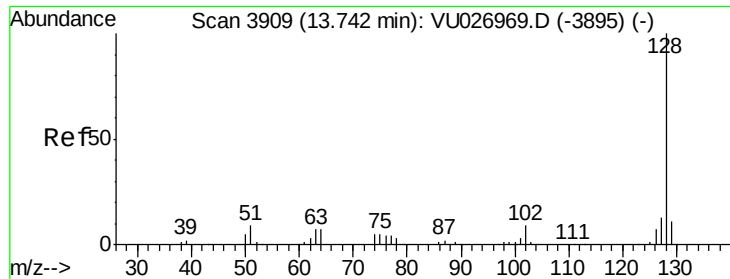
MMDadoda
 9/24/2018 4:40:30 PM



#94
 Hexachlorobutadiene
 Concen: 48.372 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU027041.D
 Acq: 23 Sep 2018 01:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.8	31.9	95.7
227	65.9	32.1	96.5





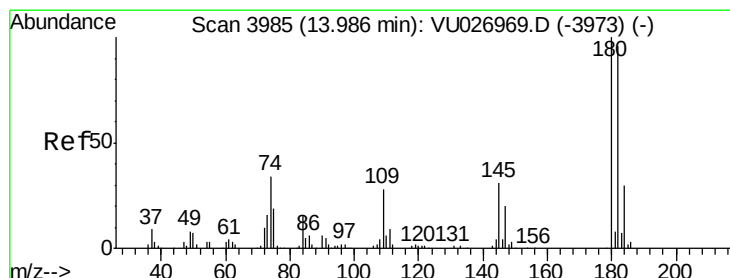
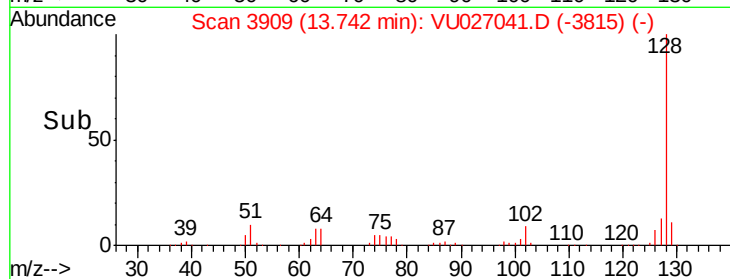
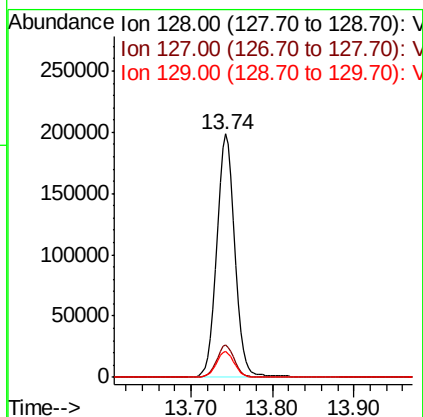
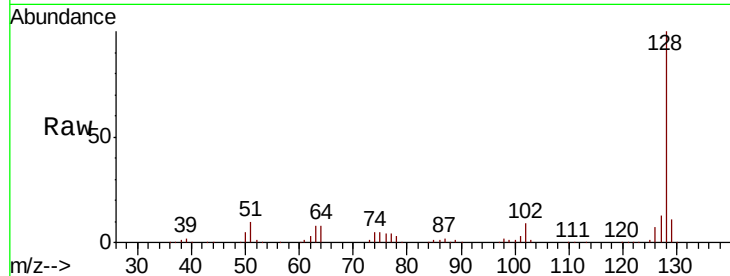
#95
Naphthalene
Concen: 49.709 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU027041.D
Acq: 23 Sep 2018 01:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	10.7	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/24/2018 4:40:30 PM



#96
1,2,3-Trichlorobenzene
Concen: 52.591 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU027041.D
Acq: 23 Sep 2018 01:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.5	142.5
145	31.8	15.4	46.4

