

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092318\
 Data File : VU027067.D
 Acq On : 23 Sep 2018 13:23
 Operator : MD/SY
 Sample : VU0923WBS02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 109 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0923WBS02

Manual Integrations
 APPROVED

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 9/24/2018 4:40:37 PM

Quant Time: Sep 24 08:07:56 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	84560	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	144610	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	138812	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	71646	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	91437	53.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.46%	
35) Dibromofluoromethane	4.88	113	63648	50.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.56%	
50) Toluene-d8	7.57	98	249561	52.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.48%	
62) 4-Bromofluorobenzene	10.31	95	86021	52.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	20055	18.165	ug/l	98
3) Chloromethane	1.33	50	34193	17.963	ug/l	99
4) Vinyl Chloride	1.40	62	32340	18.201	ug/l	99
5) Bromomethane	1.62	94	16851	16.654	ug/l	97
6) Chloroethane	1.70	64	21971	19.353	ug/l	99
7) Trichlorofluoromethane	1.88	101	37449	18.557	ug/l	98
8) Diethyl Ether	2.10	74	18550	19.097	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.29	101	22615	18.226	ug/l	99
10) Methyl Iodide	2.41	142	18074	11.745	ug/l	99
11) Tert butyl alcohol	2.82	59	38761	99.364	ug/l	99
12) 1,1-Dichloroethene	2.28	96	21521	18.427	ug/l	98
13) Acrolein	2.19	56	19830	94.301	ug/l	98
14) Allyl chloride	2.59	41	49317	20.820	ug/l	95
15) Acrylonitrile	2.93	53	98410	100.094	ug/l	99
16) Acetone	2.32	43	99068	99.603	ug/l	99
17) Carbon Disulfide	2.48	76	70479	18.525	ug/l	99
18) Methyl Acetate	2.61	43	51258	21.160	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	87095	20.294	ug/l	100
20) Methylene Chloride	2.70	84	28094	18.432	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	24126	19.348	ug/l	95
22) Diisopropyl ether	3.57	45	109726	21.657	ug/l	97
23) Vinyl Acetate	3.52	43	461487	106.853	ug/l	99
24) 1,1-Dichloroethane	3.45	63	55652	19.943	ug/l	100
25) 2-Butanone	4.26	43	143402	100.263	ug/l	98
26) 2,2-Dichloropropane	4.23	77	44021	20.228	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	28179	20.011	ug/l	98
28) Bromochloromethane	4.55	49	31745	23.600	ug/l	95
29) Tetrahydrofuran	4.64	42	91198	105.405	ug/l	97
30) Chloroform	4.67	83	50402	19.458	ug/l	99
31) Cyclohexane	5.00	56	51543	19.974	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	41306	19.973	ug/l	100
36) 1,1-Dichloropropene	5.14	75	37845	19.609	ug/l	97
37) Ethyl Acetate	4.38	43	51557	19.733	ug/l	98
38) Carbon Tetrachloride	5.13	117	34185	18.613	ug/l	95

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Quant Time: Sep 24 08:07:56 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)
39) Methylcyclohexane	6.42	83	41573	19.822	ug/l	95
40) Benzene	5.39	78	113415	19.331	ug/l	98
41) Methacrylonitrile	4.54	41	28642	21.109	ug/l	98
42) 1,2-Dichloroethane	5.40	62	44206	19.942	ug/l	99
43) Isopropyl Acetate	5.55	43	78665	20.645	ug/l	98
44) Trichloroethene	6.19	130	24207	19.380	ug/l	96
45) 1,2-Dichloropropane	6.43	63	33799	20.218	ug/l	96
46) Dibromomethane	6.56	93	19559	19.372	ug/l	96
47) Bromodichloromethane	6.76	83	39043	19.124	ug/l	99
48) Methyl methacrylate	6.62	41	39108	19.488	ug/l	97
49) 1,4-Dioxane	6.61	88	14168	342.864	ug/l	94
51) 4-Methyl-2-Pentanone	7.46	43	265940	103.775	ug/l	99
52) Toluene	7.64	92	66864	19.882	ug/l	96
53) t-1,3-Dichloropropene	7.88	75	45004	20.517	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	48021	19.911	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	27318	19.170	ug/l	99
56) Ethyl methacrylate	8.02	69	43940	19.185	ug/l	98
57) 1,3-Dichloropropane	8.24	76	52923	19.968	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	135515	99.559	ug/l	98
59) 2-Hexanone	8.36	43	204307	101.849	ug/l	99
60) Dibromochloromethane	8.48	129	26801	19.174	ug/l	97
61) 1,2-Dibromoethane	8.59	107	27880	18.804	ug/l	98
64) Tetrachloroethene	8.23	164	20393	19.065	ug/l	96
65) Chlorobenzene	9.12	112	69809	18.967	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	24590	19.397	ug/l	100
67) Ethyl Benzene	9.25	91	121081	20.006	ug/l	100
68) m/p-Xylenes	9.38	106	90887	38.024	ug/l	99
69) o-Xylene	9.78	106	44328	20.671	ug/l	100
70) Styrene	9.79	104	71630	19.052	ug/l	100
71) Bromoform	9.96	173	19015	19.396	ug/l #	97
73) Isopropylbenzene	10.17	105	118509	21.745	ug/l	99
74) N-amyl acetate	10.02	43	66721	21.150	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	48912	19.520	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	40987m	18.831	ug/l	
77) Bromobenzene	10.45	156	26507	19.903	ug/l	94
78) n-propylbenzene	10.59	91	140503	21.788	ug/l	99
79) 2-Chlorotoluene	10.66	91	87441	21.587	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	99292	22.070	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.51	75	13754m	20.222	ug/l	
82) 4-Chlorotoluene	10.77	91	97870	21.549	ug/l	99
83) tert-Butylbenzene	11.10	119	92303	20.752	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	100851	22.027	ug/l	98
85) sec-Butylbenzene	11.32	105	116978	21.545	ug/l	99
86) p-Isopropyltoluene	11.48	119	97417	19.694	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	49243	19.869	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	50042	18.526	ug/l	98
89) n-Butylbenzene	11.89	91	86659	19.100	ug/l	99
90) Hexachloroethane	12.15	117	19231	19.478	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	49900	18.955	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	10437	20.417	ug/l	97

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Quant Time: Sep 24 08:07:56 2018
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	13.50	180	29376	19.363	ug/l	98
94) Hexachlorobutadiene	13.69	225	14955	18.630	ug/l	99
95) Naphthalene	13.74	128	104674	18.740	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	31835	19.568	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU027067.D

Acq: 23 Sep 2018 13:23

Instrument :

MSVOA_U

ClientSampleId :

VU0923WBS02

Tot Ion:168 Resp: 84560

Ion Ratio Lower Upper

168 100

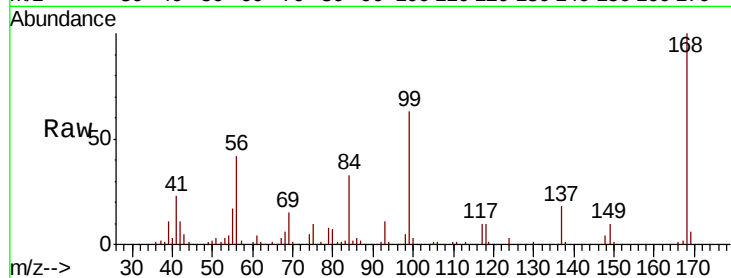
99 62.5 48.1 72.1

Manual Integrations

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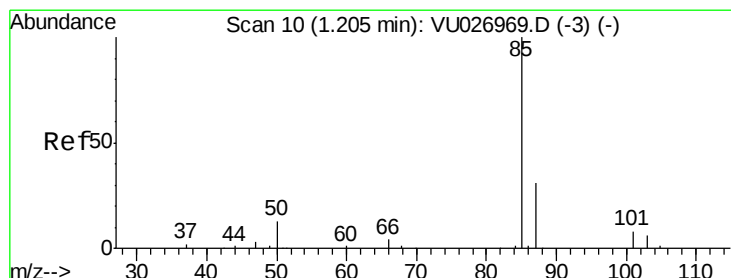
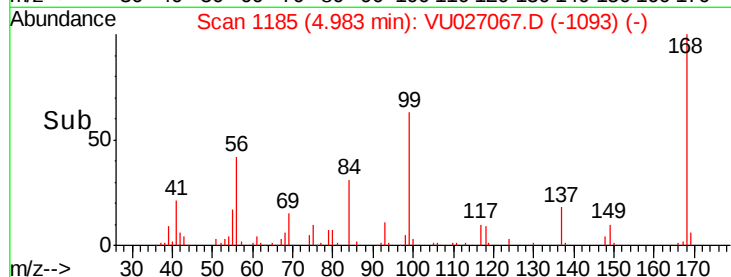
Abundance Ion 167.90 (167.60 to 168.60): VU027067.D (-1093) (-)

Ion 98.90 (98.60 to 99.60): VU027067.D (-1093) (-)

4.98

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.165 ug/l

RT: 1.20 min Scan# 9

Delta R.T. -0.00 min

Lab File: VU027067.D

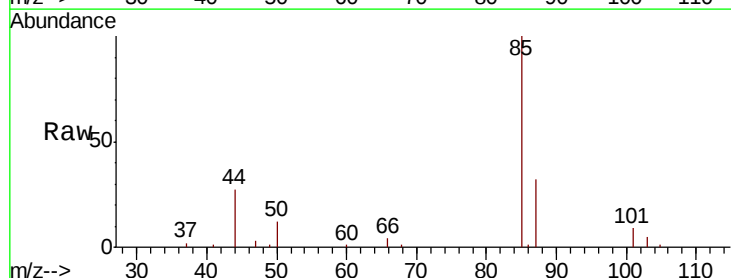
Acq: 23 Sep 2018 13:23

Tgt Ion: 85 Resp: 20055

Ion Ratio Lower Upper

85 100

87 32.4 15.6 46.7



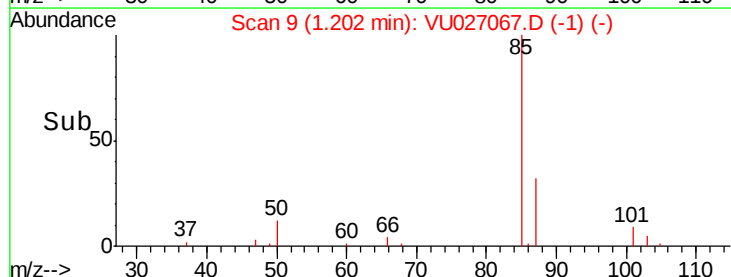
Abundance Ion 84.90 (84.60 to 85.60): VU027067.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VU027067.D (-1) (-)

1.20

1.15 1.20 1.25

Time-->





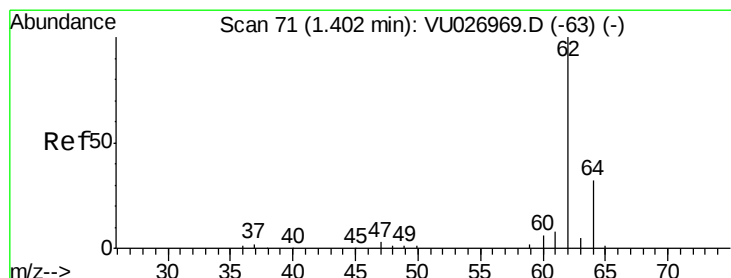
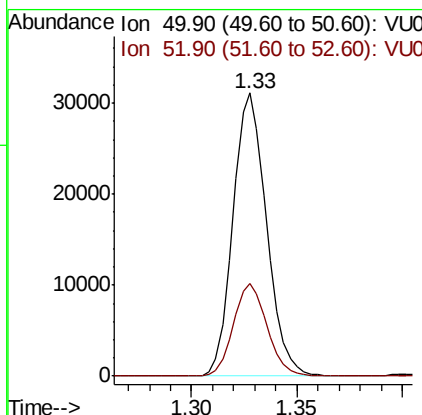
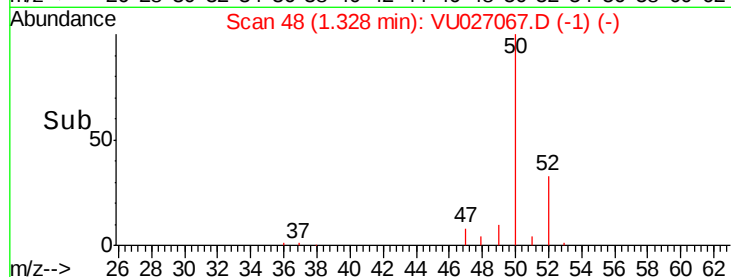
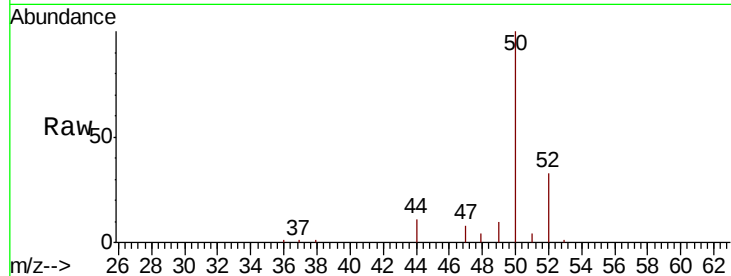
#3
 Chloromethane
 Concen: 17.963 ug/l
 RT: 1.33 min Scan# 48
 Delta R.T. -0.00 min
 Lab File: VU027067.D
 Acq: 23 Sep 2018 13:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0923WBS02

Tot Ion: 50 Resp: 34193
 Ion Ratio Lower Upper
 50 100
 52 32.8 25.9 38.9

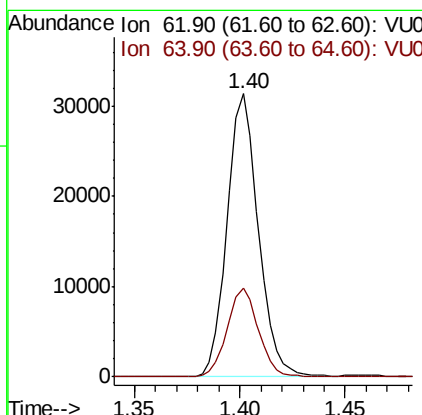
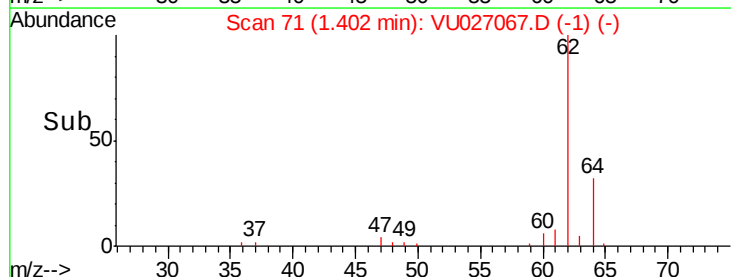
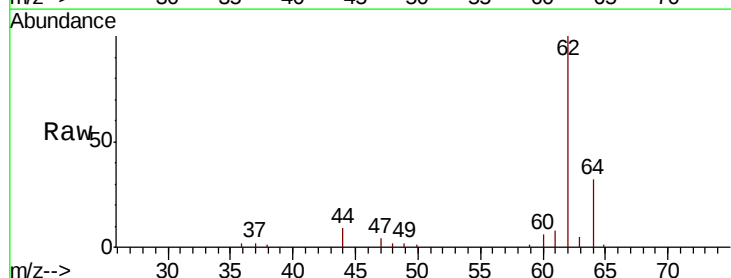
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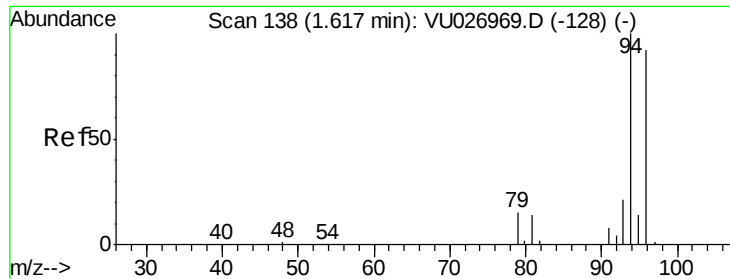
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#4
 Vinyl Chloride
 Concen: 18.201 ug/l
 RT: 1.40 min Scan# 71
 Delta R.T. -0.00 min
 Lab File: VU027067.D
 Acq: 23 Sep 2018 13:23

Tgt Ion: 62 Resp: 32340
 Ion Ratio Lower Upper
 62 100
 64 31.6 25.5 38.3





#5

Bromomethane

Concen: 16.654 ug/l

RT: 1.62 min Scan# 140

Delta R.T. 0.01 min

Lab File: VU027067.D

Acq: 23 Sep 2018 13:23

Instrument :

MSVOA_U

ClientSampleId :

VU0923WBS02

Tot Ion: 94 Resp: 16851

Ion Ratio Lower Upper

94 100

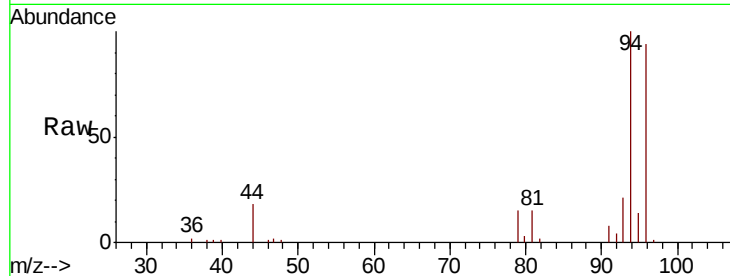
96 94.5 73.2 109.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VU027067.D (-128) (-)

Ion 95.90 (95.60 to 96.60): VU027067.D (-128) (-)

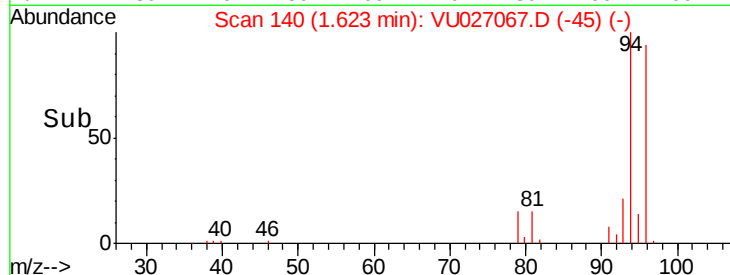
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10000

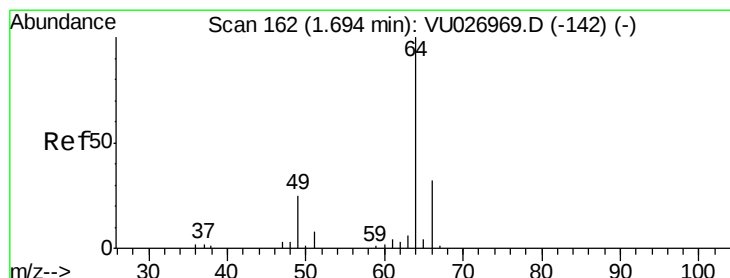
5000

0

Time-->



Time-->



#6

Chloroethane

Concen: 19.353 ug/l

RT: 1.70 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU027067.D

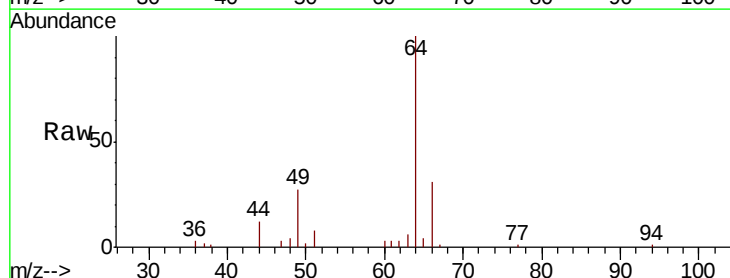
Acq: 23 Sep 2018 13:23

Tgt Ion: 64 Resp: 21971

Ion Ratio Lower Upper

64 100

66 31.2 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VU027067.D (-69) (-)

Ion 65.90 (65.60 to 66.60): VU027067.D (-69) (-)

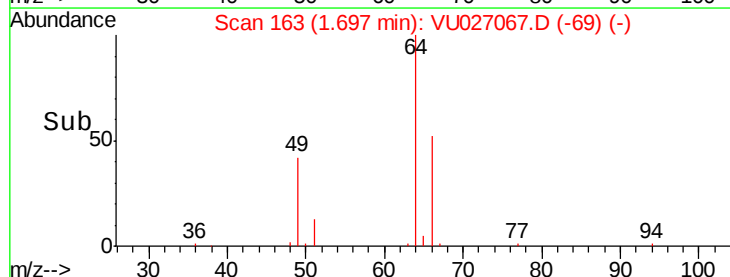
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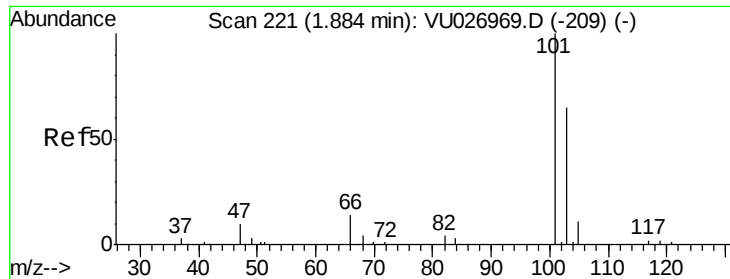
5000

0

Time-->



Time-->



#7

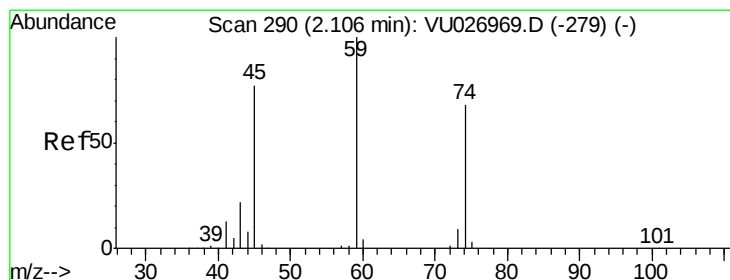
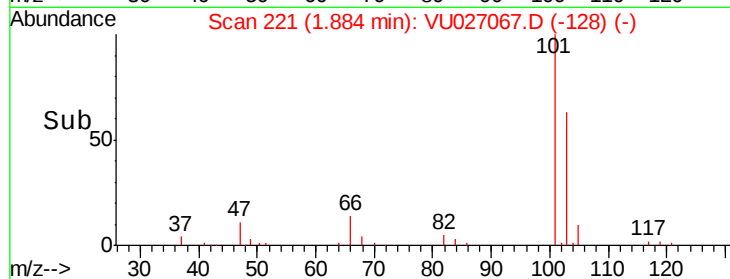
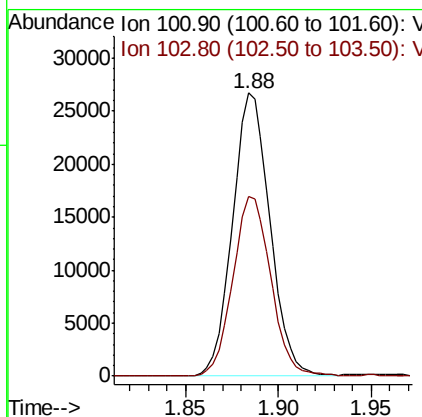
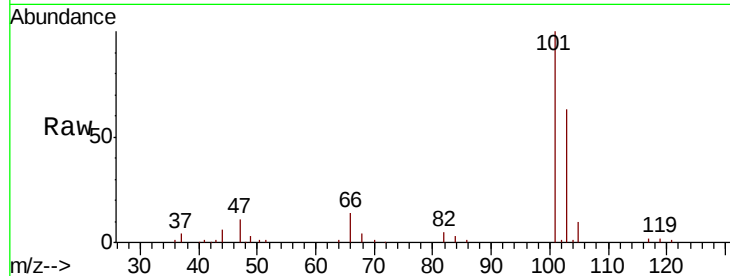
Trichlorofluoromethane
 Concen: 18.557 ug/l
 RT: 1.88 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VU027067.D
 Acq: 23 Sep 2018 13:23

Instrument :
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 ClientSampleId :
 VU0923WBS02

Tot Ion:101 Resp: 37449
 Ion Ratio Lower Upper
 101 100
 103 63.3 52.2 78.2

Manual Integrations
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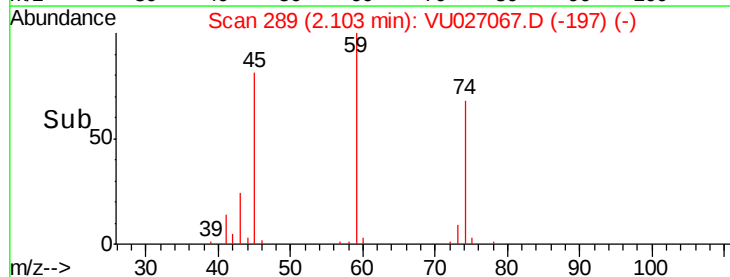
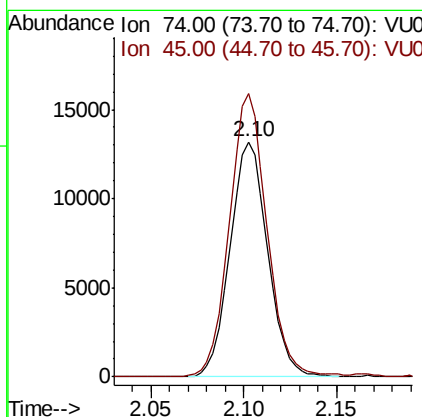
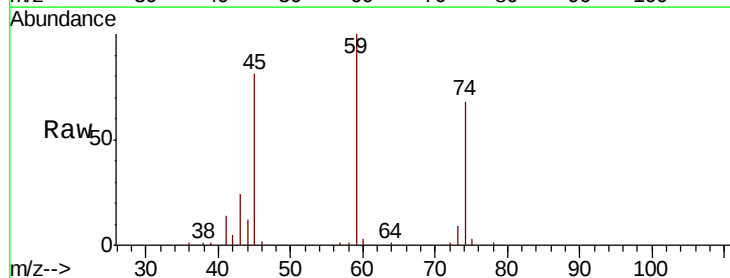
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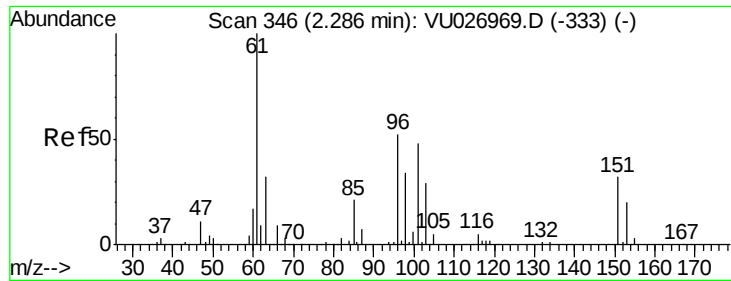


#8

Diethyl Ether
 Concen: 19.097 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU027067.D
 Acq: 23 Sep 2018 13:23

Tgt Ion: 74 Resp: 18550
 Ion Ratio Lower Upper
 74 100
 45 121.0 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.226 ug/l

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU027067.D

Acq: 23 Sep 2018 13:23

Instrument :

MSVOA_U

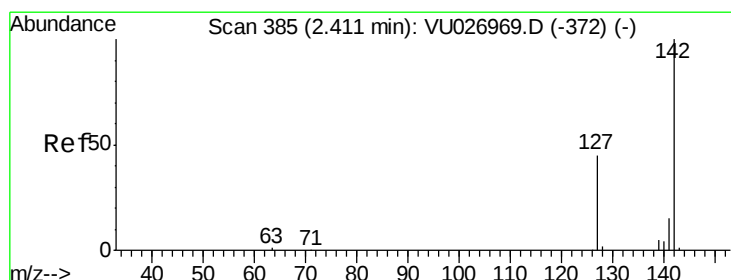
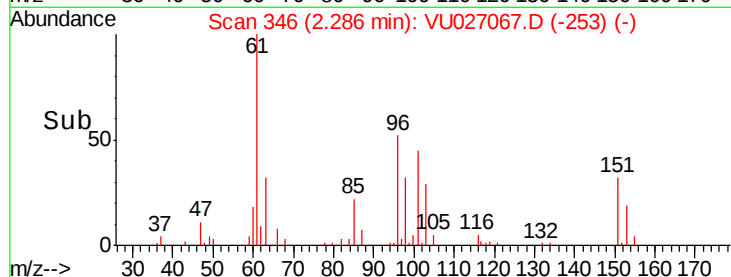
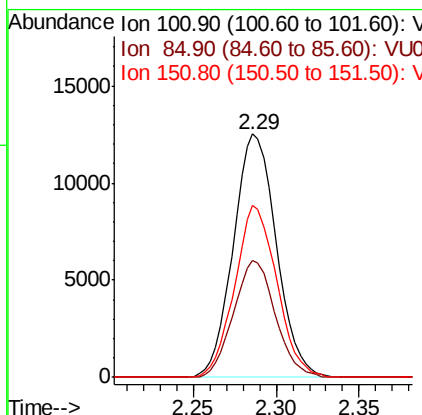
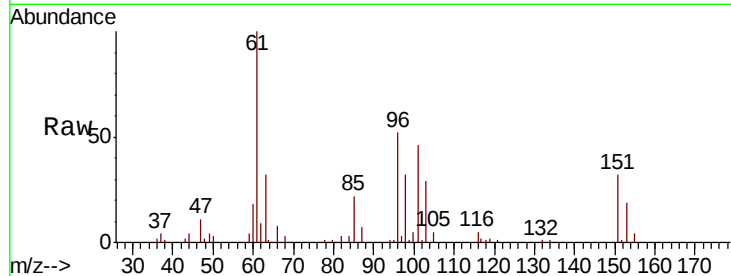
ClientSampleId :

VU0923WBS02

Tot Ion:	101	Resp:	22615
Ion Ratio	Lower	Upper	
101	100		
85	46.5	36.2	54.2
151	69.0	54.5	81.7

Manual Integrations
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#10

Methyl Iodide

Concen: 11.745 ug/l

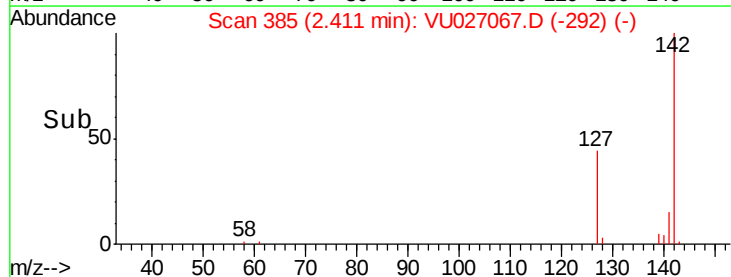
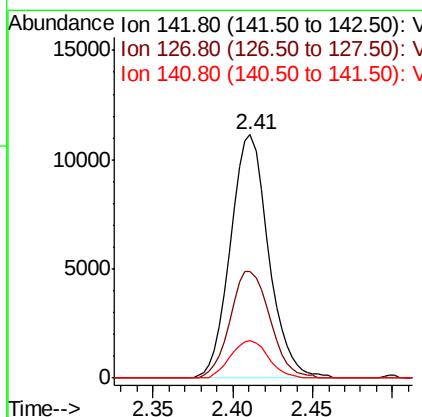
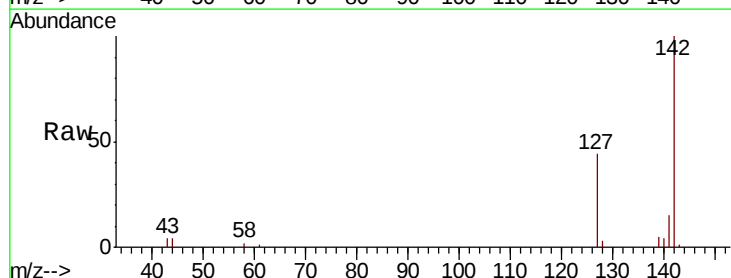
RT: 2.41 min Scan# 385

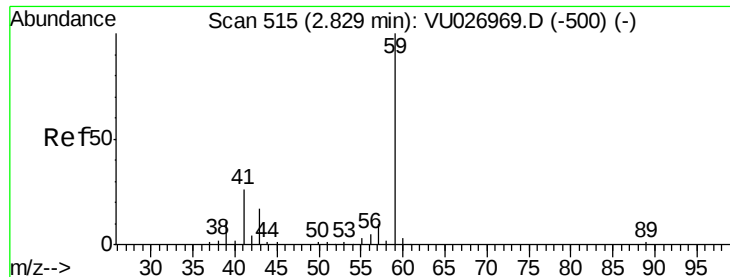
Delta R.T. -0.00 min

Lab File: VU027067.D

Acq: 23 Sep 2018 13:23

Tgt Ion:	142	Resp:	18074
Ion Ratio	Lower	Upper	
142	100		
127	45.8	36.7	55.1
141	15.4	11.8	17.6





#11

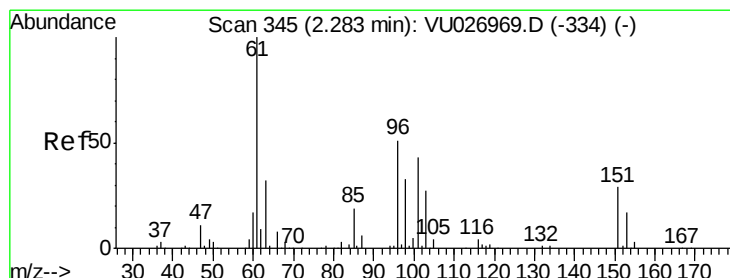
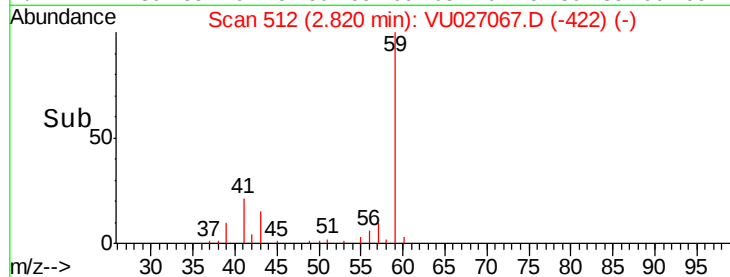
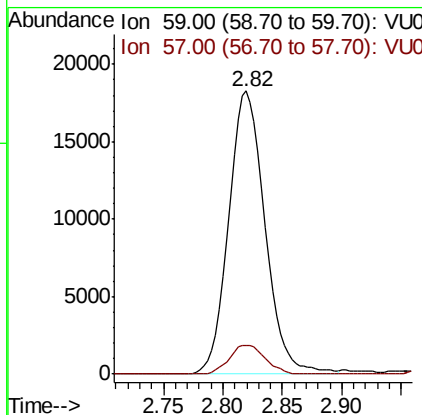
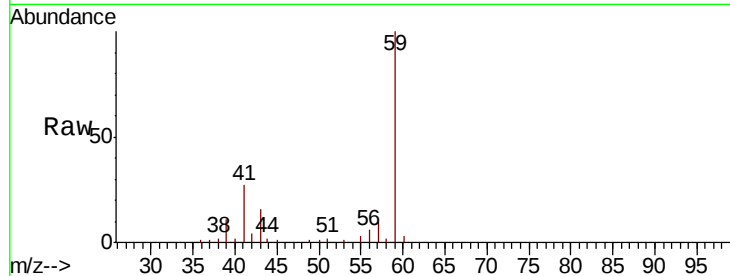
Tert butyl alcohol
 Concen: 99.364 ug/l
 RT: 2.82 min Scan# 512
 Delta R.T. -0.01 min
 Lab File: VU027067.D
 Acq: 23 Sep 2018 13:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0923WBS02

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

Manual Integrations
 APPROVED

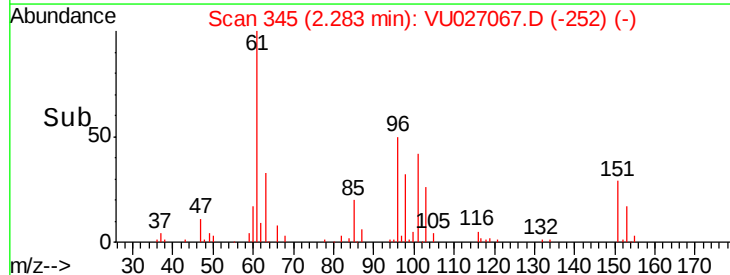
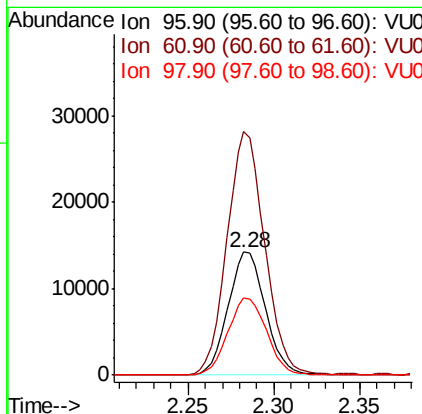
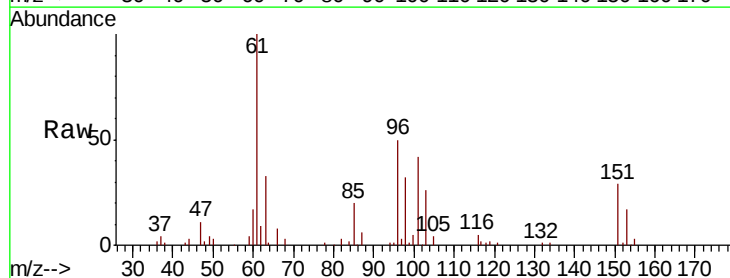
MMDadoda
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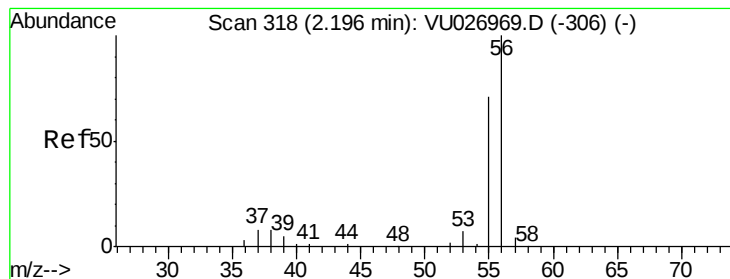


#12

1,1-Dichloroethene
 Concen: 18.427 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. -0.00 min
 Lab File: VU027067.D
 Acq: 23 Sep 2018 13:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100			
61	61	198.4		156.1	234.1
98	98	62.9		51.4	77.0





#13

Acrolein

Concen: 94.301 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU027067.D

Acq: 23 Sep 2018 13:23

Instrument :

MSVOA_U

ClientSampleId :

VU0923WBS02

Tot Ion: 56 Resp: 19830

Ion Ratio Lower Upper

56 100

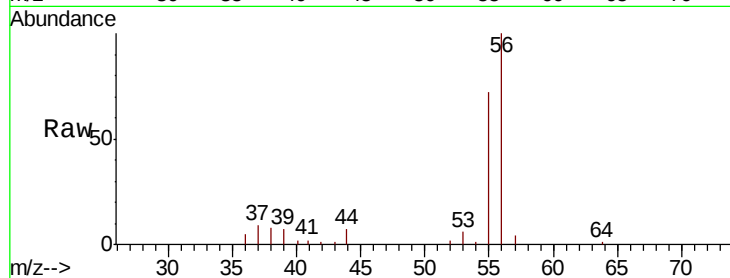
55 69.9 57.1 85.7

Manual Integrations

APPROVED

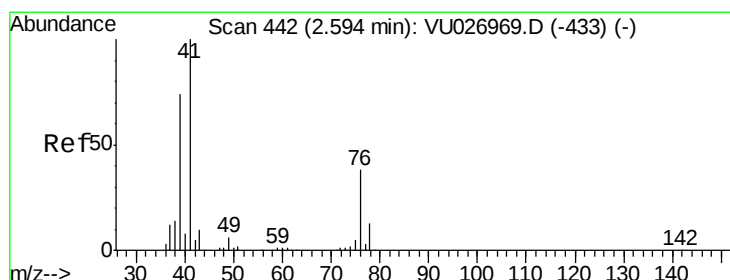
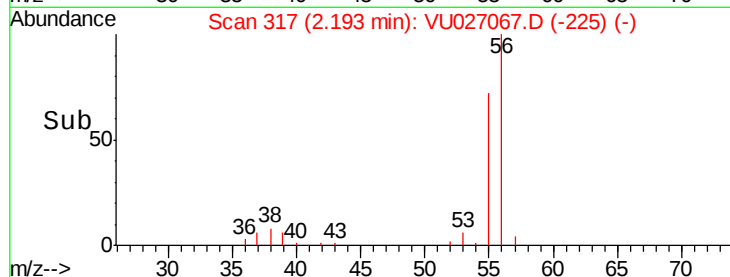
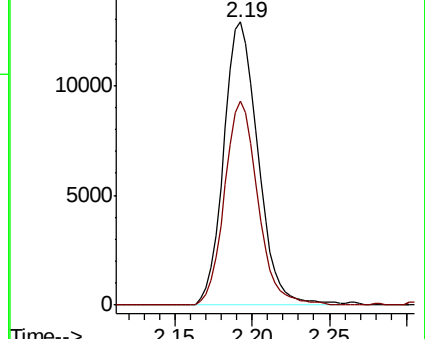
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VU026969.D (-306) (-)

Ion 55.00 (54.70 to 55.70): VU026969.D (-306) (-)



#14

Allyl chloride

Concen: 20.820 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU027067.D

Acq: 23 Sep 2018 13:23

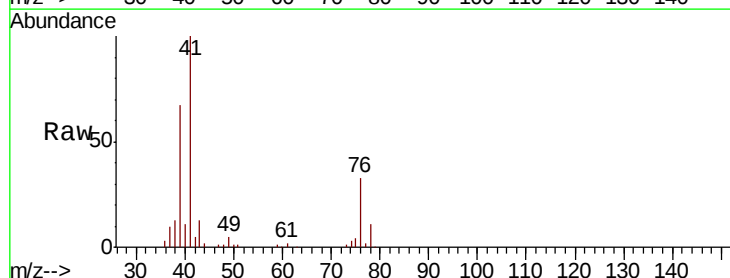
Tgt Ion: 41 Resp: 49317

Ion Ratio Lower Upper

41 100

39 64.3 55.7 83.5

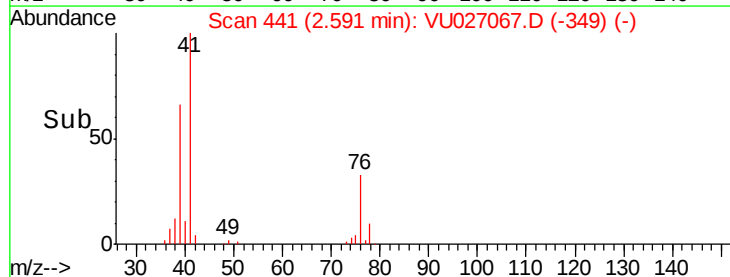
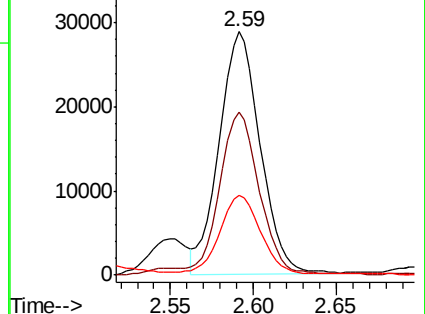
76 32.6 26.5 39.7

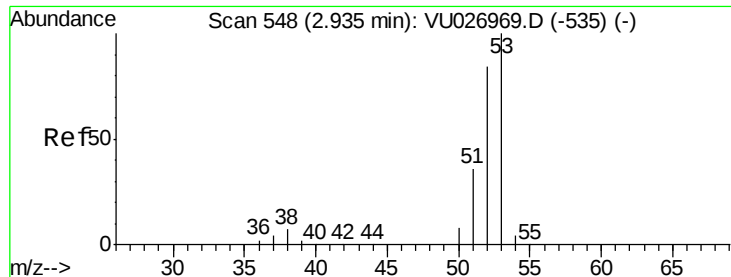


Abundance Ion 41.00 (40.70 to 41.70): VU026969.D (-433) (-)

Ion 39.00 (38.70 to 39.70): VU026969.D (-433) (-)

Ion 75.90 (75.60 to 76.60): VU026969.D (-433) (-)





#15

Acrylonitrile

Concen: 100.094 ug/l

RT: 2.93 min Scan# 547

Delta R.T. -0.00 min

Lab File: VU027067.D

Acq: 23 Sep 2018 13:23

Instrument :

MSVOA_U

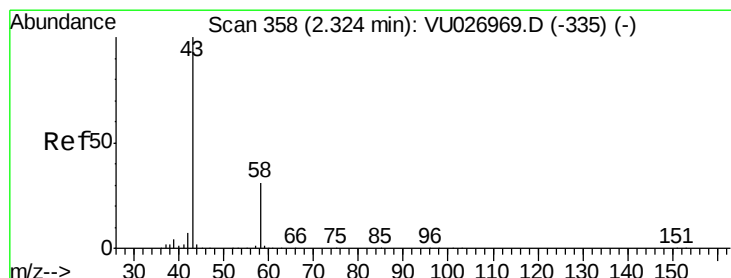
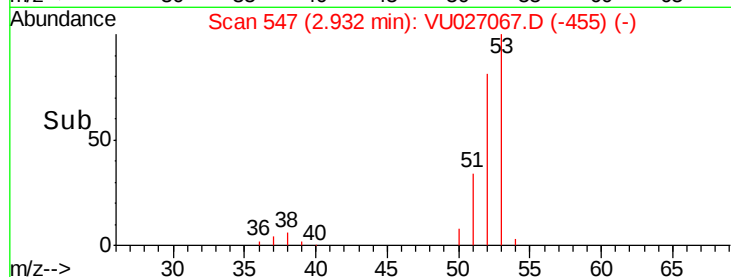
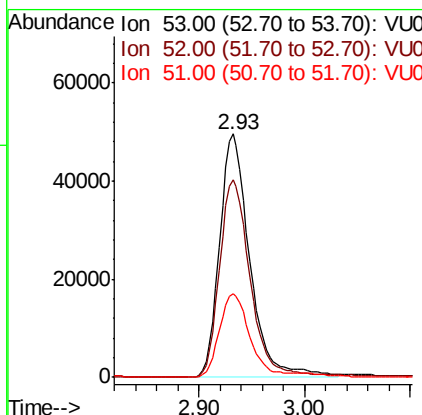
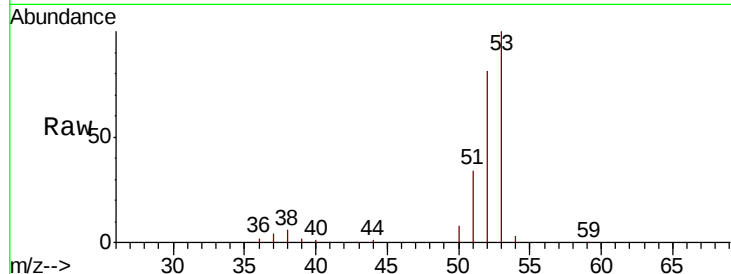
ClientSampleId :

VU0923WBS02

Tot Ion:	53	Resp:	98410
Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.7	98.5
51	36.1	27.4	41.2

Manual Integrations
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#16

Acetone

Concen: 99.603 ug/l

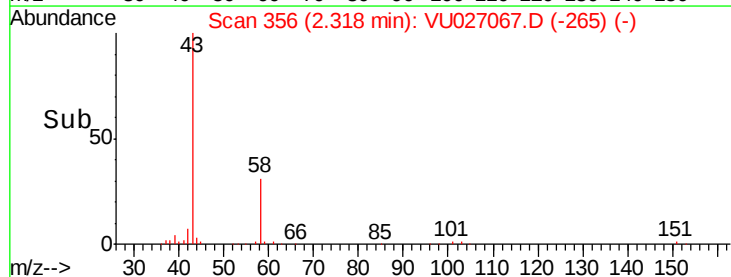
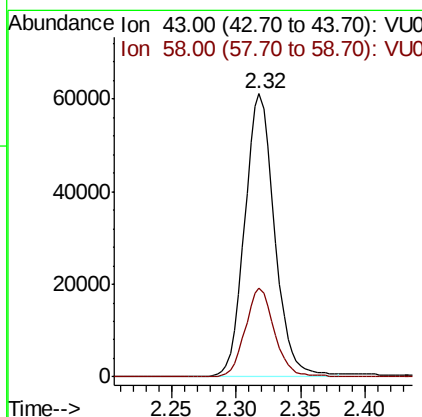
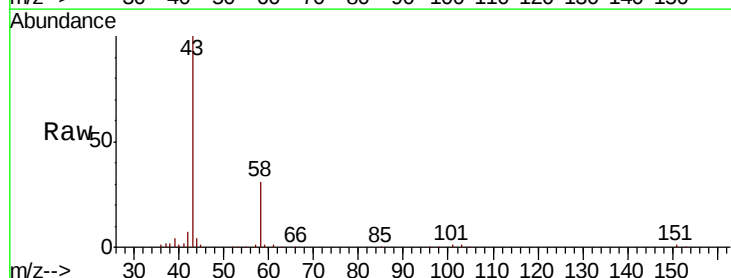
RT: 2.32 min Scan# 356

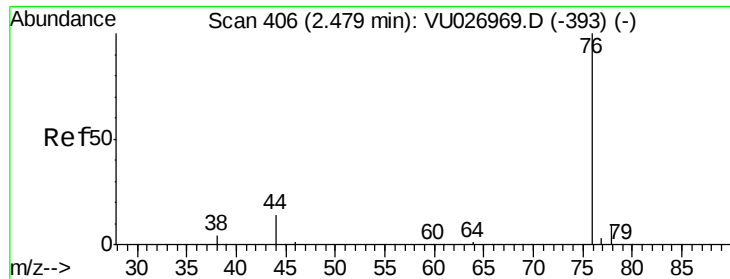
Delta R.T. -0.01 min

Lab File: VU027067.D

Acq: 23 Sep 2018 13:23

Tgt Ion:	43	Resp:	99068
Ion	Ratio	Lower	Upper
43	100		
58	31.4	24.6	36.8





#17

Carbon Disulfide

Concen: 18.525 ug/l

RT: 2.48 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU027067.D

Acq: 23 Sep 2018 13:23

Instrument :

MSVOA_U

ClientSampleId :

VU0923WBS02

Tot Ion: 76 Resp: 70479

Ion Ratio Lower Upper

76 100

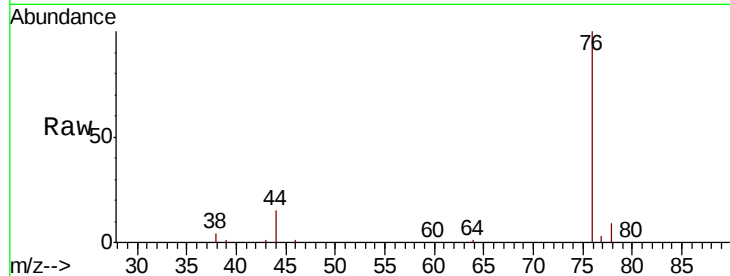
78 9.3 7.1 10.7

Manual Integrations

APPROVED

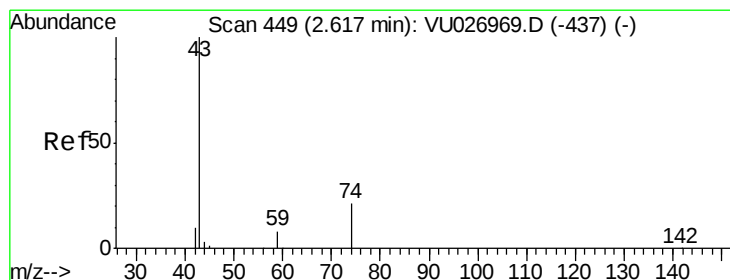
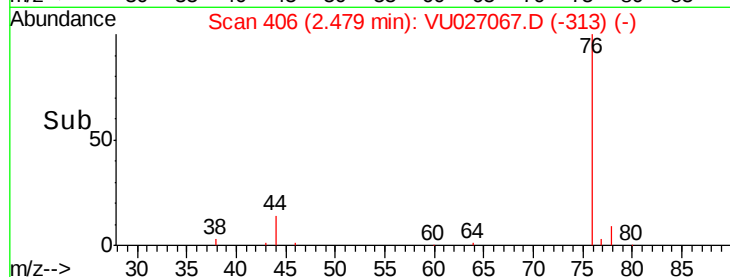
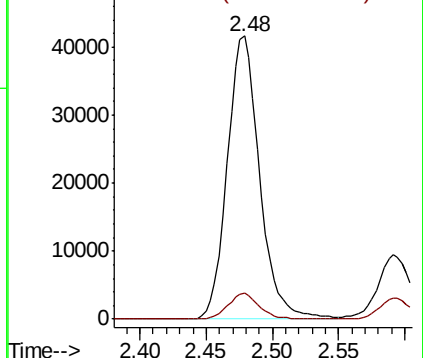
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 21.160 ug/l

RT: 2.61 min Scan# 448

Delta R.T. -0.00 min

Lab File: VU027067.D

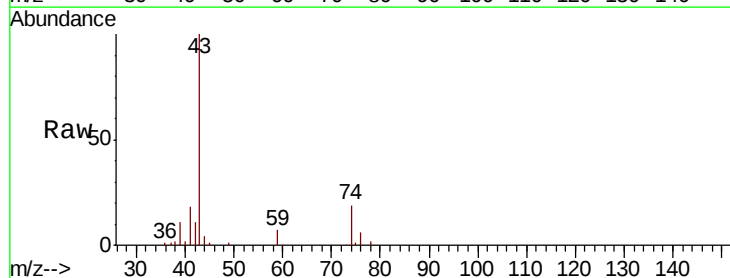
Acq: 23 Sep 2018 13:23

Tgt Ion: 43 Resp: 51258

Ion Ratio Lower Upper

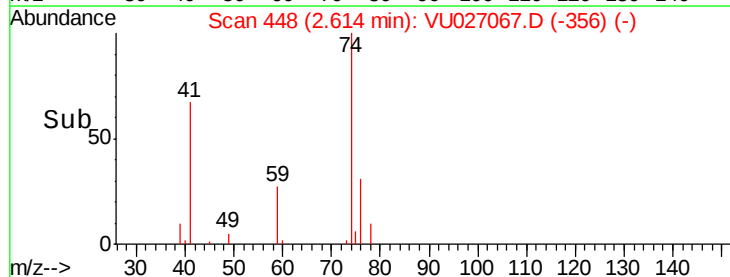
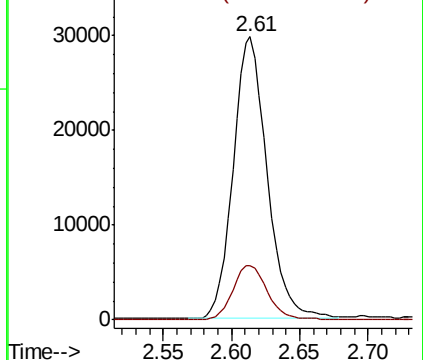
43 100

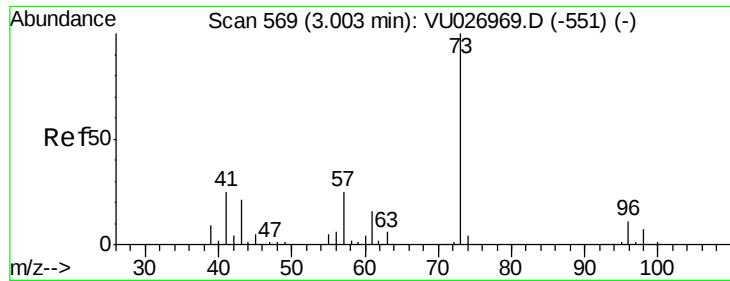
74 19.7 16.6 25.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0





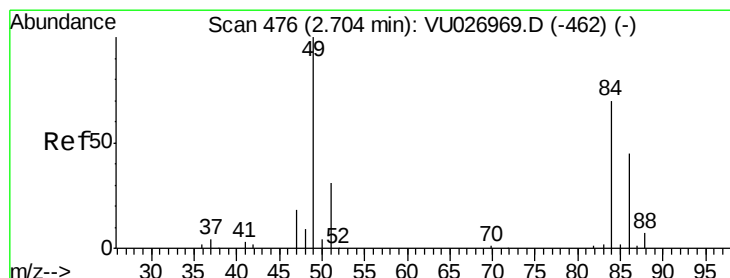
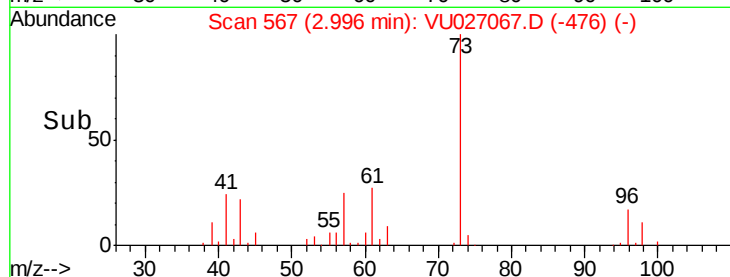
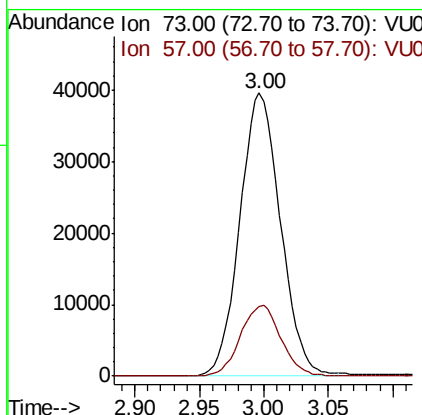
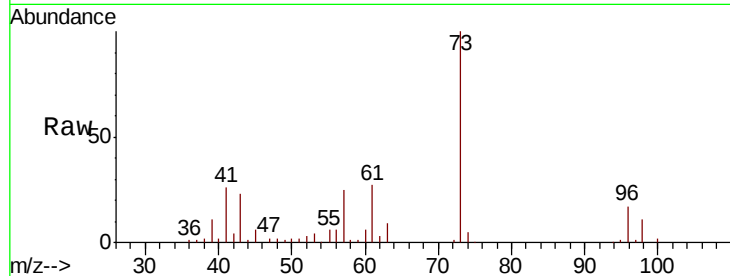
#19
Methyl tert-butyl Ether
Concen: 20.294 ug/l
RT: 3.00 min Scan# 567
Delta R.T. -0.01 min
Lab File: VU027067.D
Acq: 23 Sep 2018 13:23

Instrument :
MSVOA_U
ClientSampleId :
VU0923WBS02

Tot Ion: 73 Resp: 87095
Ion Ratio Lower Upper
73 100
57 24.6 19.8 29.6

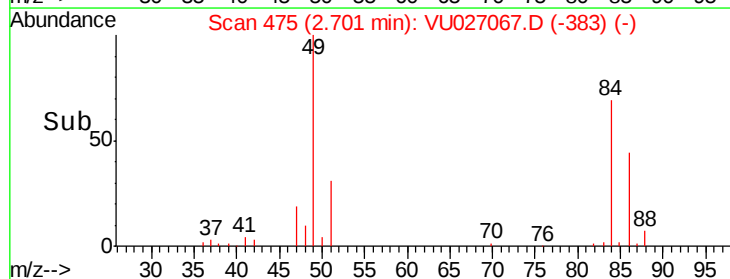
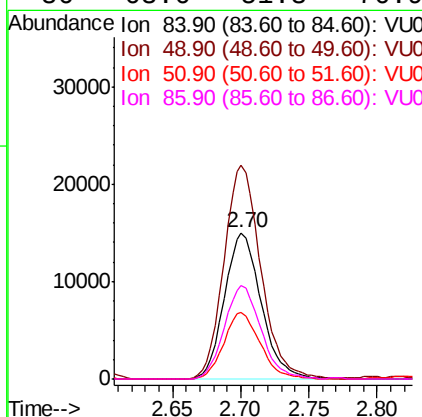
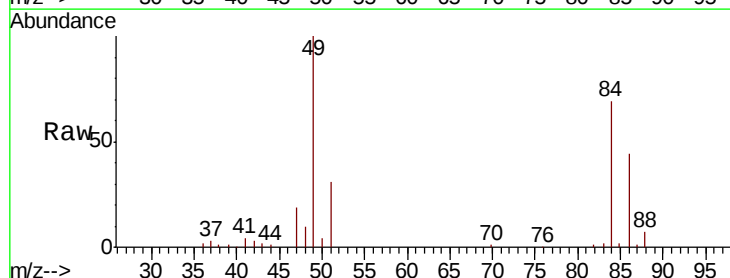
Manual Integrations
APPROVED

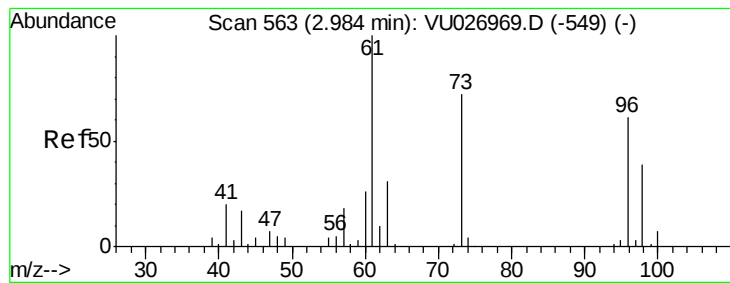
MMDadoda
9/24/2018 4:40:37 PM



#20
Methylene Chloride
Concen: 18.432 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU027067.D
Acq: 23 Sep 2018 13:23

Tgt Ion: 84 Resp: 28094
Ion Ratio Lower Upper
84 100
49 145.8 114.9 172.3
51 45.6 35.8 53.8
86 63.6 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 19.348 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU027067.D

Acq: 23 Sep 2018 13:23

Instrument :

MSVOA_U

ClientSampleId :

VU0923WBS02

Tot Ion: 96 Resp: 24126

Ion Ratio Lower Upper

96 100

61 170.5 131.8 197.6

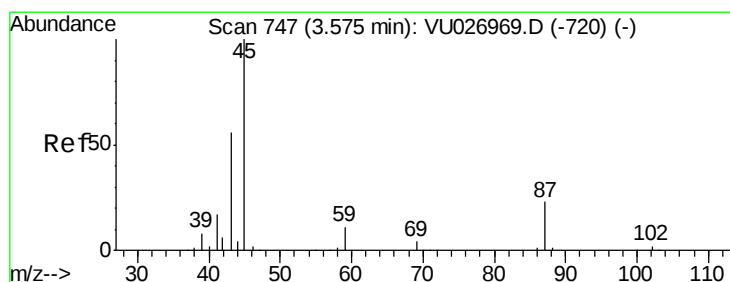
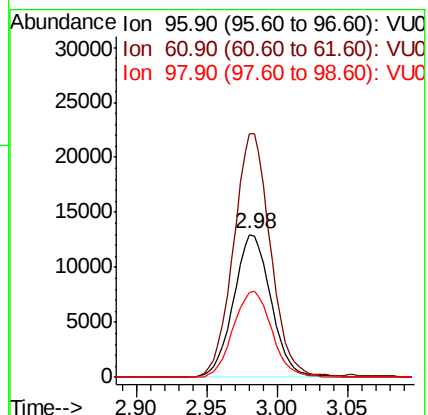
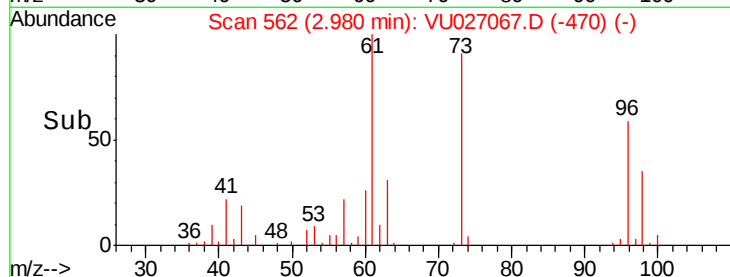
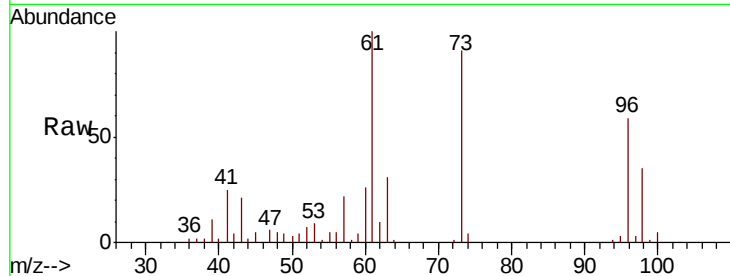
98 59.6 50.9 76.3

Manual Integrations

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#22

Diisopropyl ether

Concen: 21.657 ug/l

RT: 3.57 min Scan# 745

Delta R.T. -0.01 min

Lab File: VU027067.D

Acq: 23 Sep 2018 13:23

Tgt Ion: 45 Resp: 109726

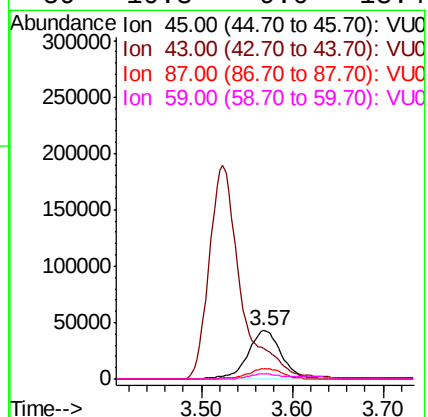
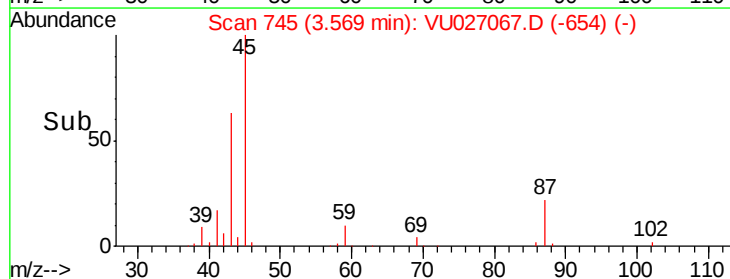
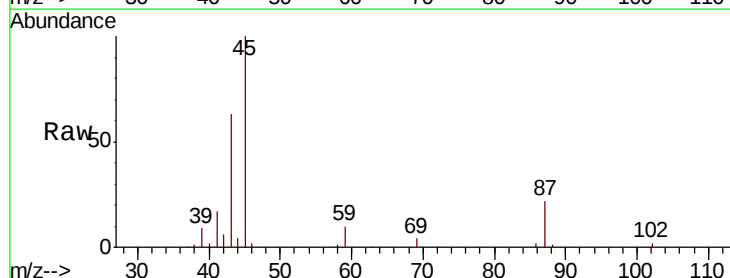
Ion Ratio Lower Upper

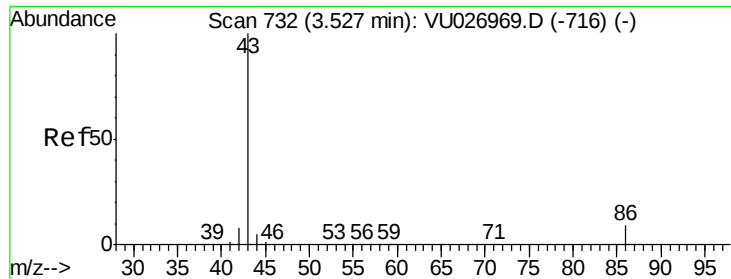
45 100

43 59.3 45.8 68.6

87 21.7 18.6 28.0

59 10.3 9.0 13.4





#23

Vinyl Acetate

Concen: 106.853 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU027067.D

Acq: 23 Sep 2018 13:23

Instrument :

MSVOA_U

ClientSampleId :

VU0923WBS02

Tot Ion: 43 Resp: 461487

Ion Ratio Lower Upper

43 100

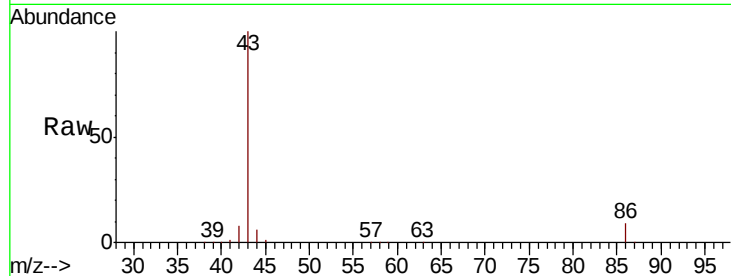
86 8.5 7.2 10.8

Manual Integrations

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9/24/2018 4:40:37 PM



Abundance Ion 43.00 (42.70 to 43.70): VU027067.D (-639) (-)

Ion 86.00 (85.70 to 86.70): VU027067.D (-639) (-)

200000

150000

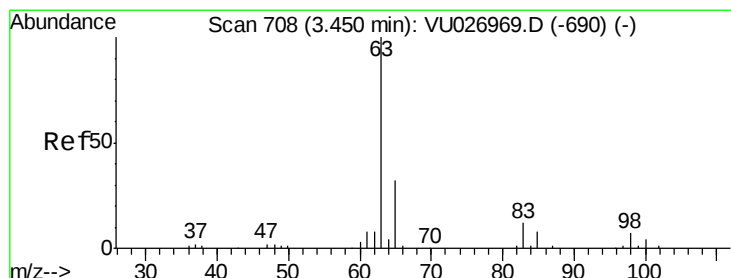
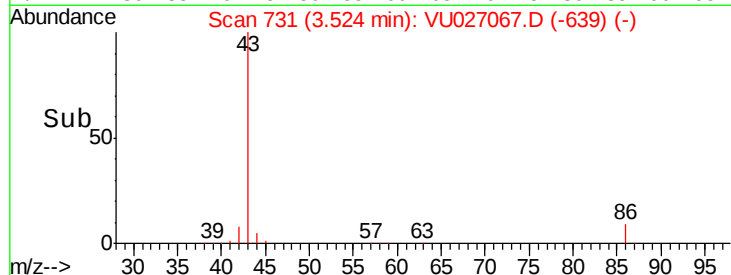
100000

50000

0

3.40 3.50 3.60 3.70

Time-->



#24

1,1-Dichloroethane

Concen: 19.943 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027067.D

Acq: 23 Sep 2018 13:23

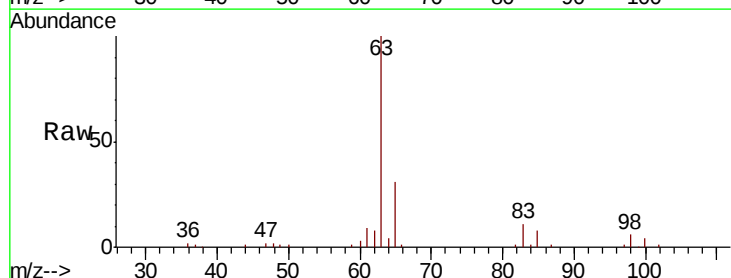
Tgt Ion: 63 Resp: 55652

Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.8

100 4.0 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VU027067.D (-615) (-)

Ion 97.90 (97.60 to 98.60): VU027067.D (-615) (-)

Ion 99.90 (99.60 to 100.60): VU027067.D (-615) (-)

30000

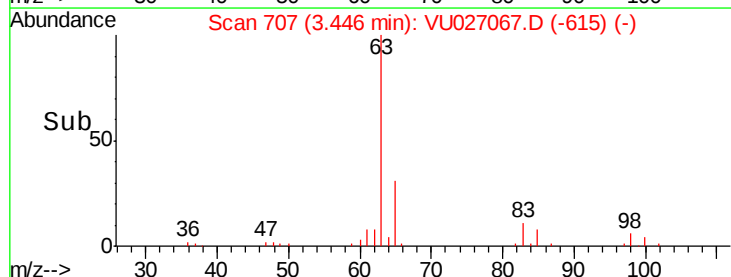
20000

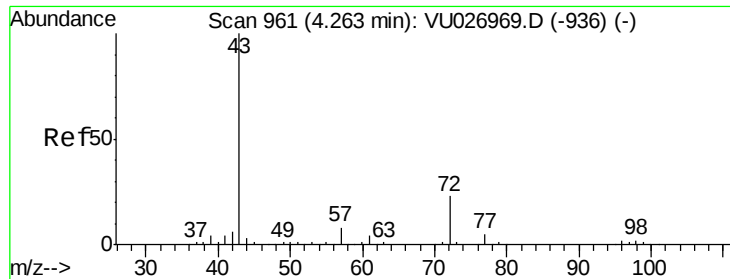
10000

0

3.35 3.40 3.45 3.50 3.55

Time-->





#25

2-Butanone

Concen: 100.263 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU027067.D

Acq: 23 Sep 2018 13:23

Instrument :

MSVOA_U

ClientSampleId :

VU0923WBS02

Tot Ion: 43 Resp: 143402

Ion Ratio Lower Upper

43 100

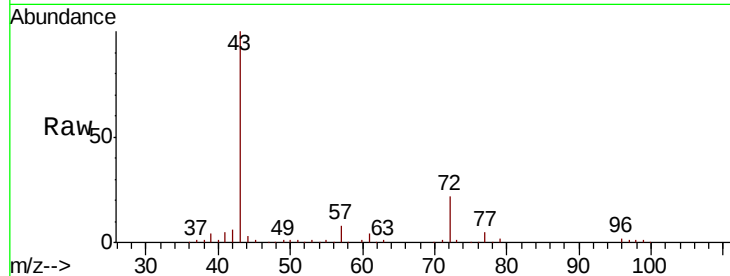
72 21.9 18.4 27.6

Manual Integrations

APPROVED

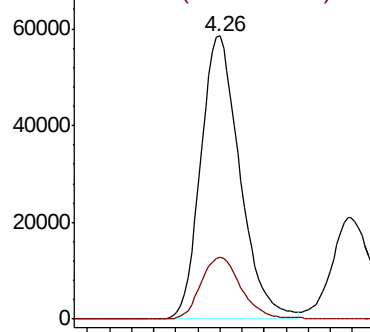
MMDadoda

9/24/2018 4:40:37 PM

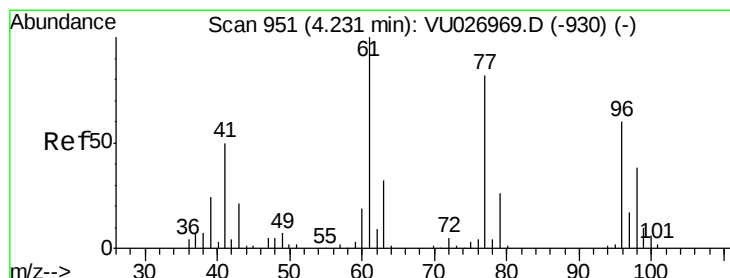
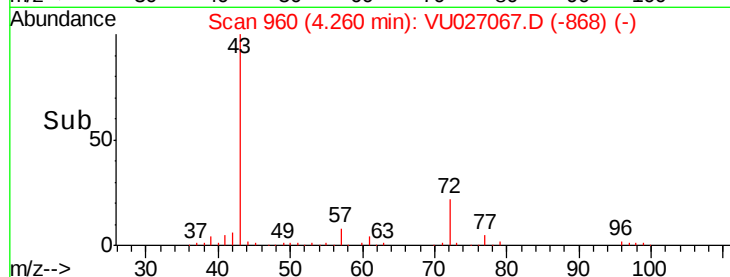


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



Time-->



#26

2,2-Dichloropropane

Concen: 20.228 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027067.D

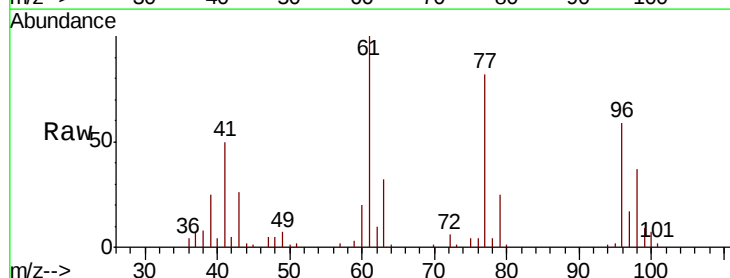
Acq: 23 Sep 2018 13:23

Tgt Ion: 77 Resp: 44021

Ion Ratio Lower Upper

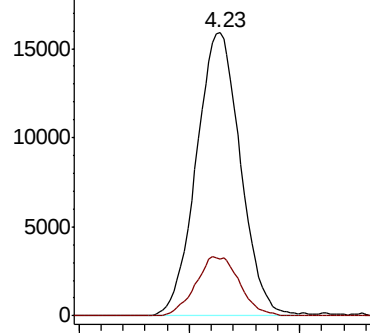
77 100

97 20.6 10.5 31.5

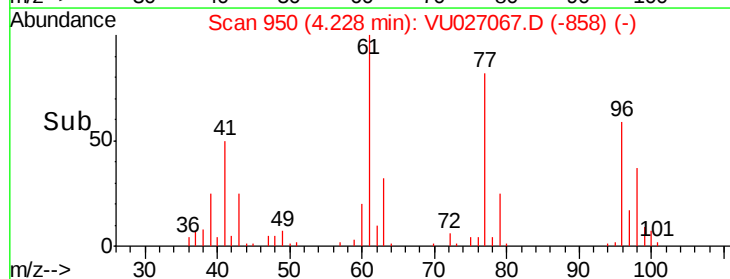


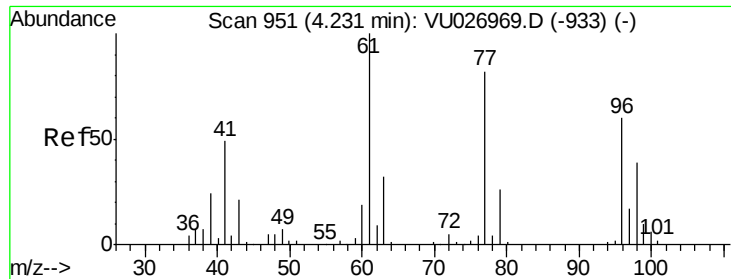
Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0



Time-->





#27

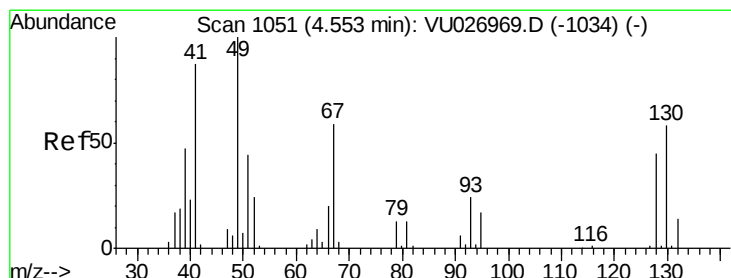
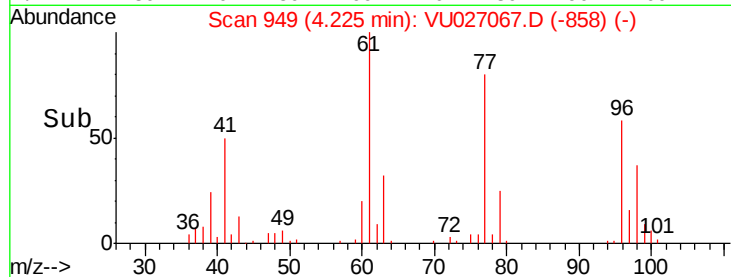
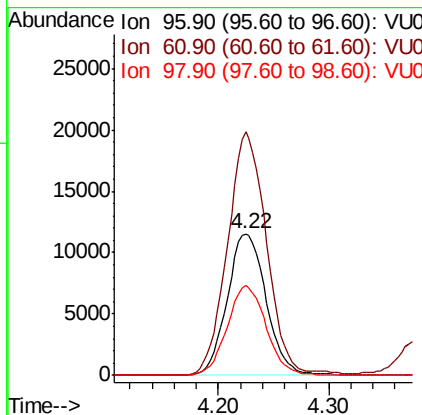
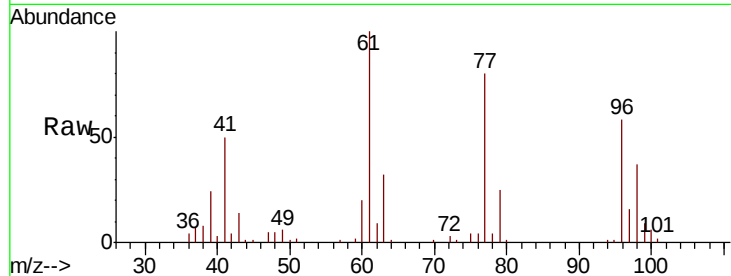
cis-1,2-Dichloroethene
Concen: 20.011 ug/l
RT: 4.22 min Scan# 949
Delta R.T. -0.01 min
Lab File: VU027067.D
Acq: 23 Sep 2018 13:23

Instrument :
MSVOA_U
ClientSampleId :
VU0923WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	171.5	0.0	337.2
98	63.1	0.0	127.6

Manual Integrations
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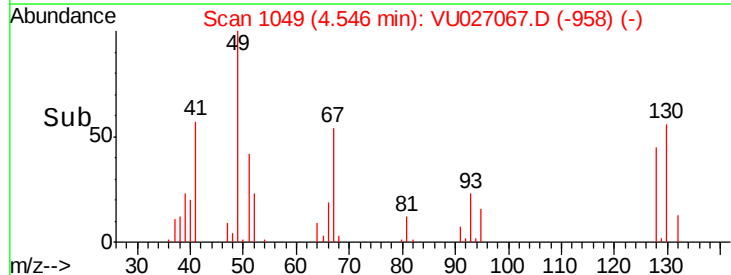
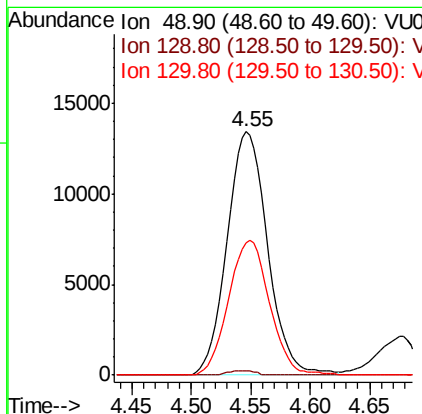
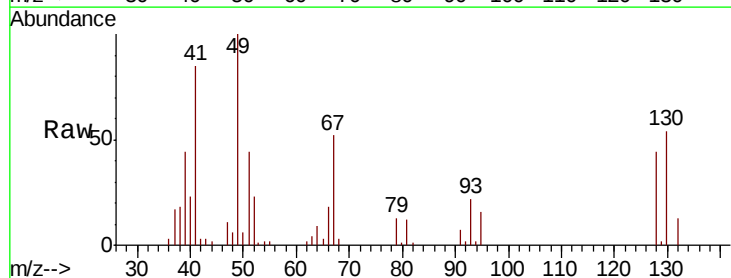
MMDadoda
9/24/2018 4:40:37 PM

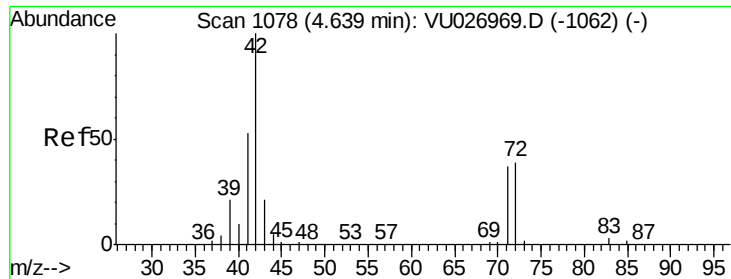


#28

Bromochloromethane
Concen: 23.600 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VU027067.D
Acq: 23 Sep 2018 13:23

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	3.0
130	55.9	47.8	71.8





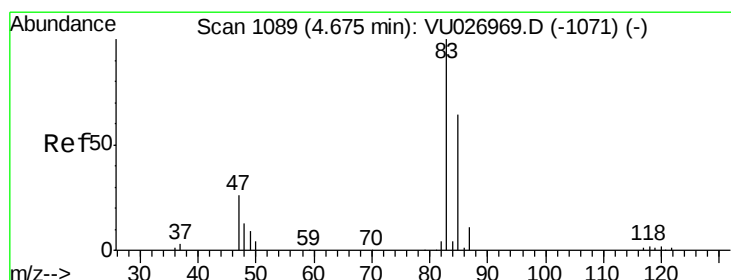
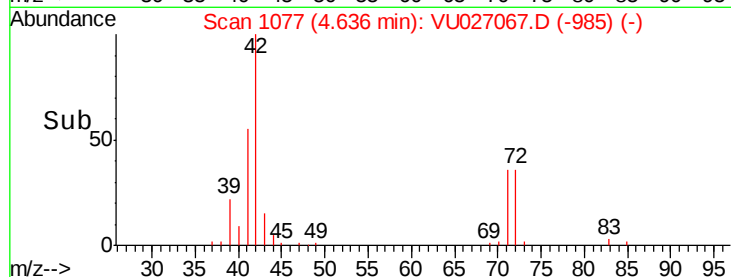
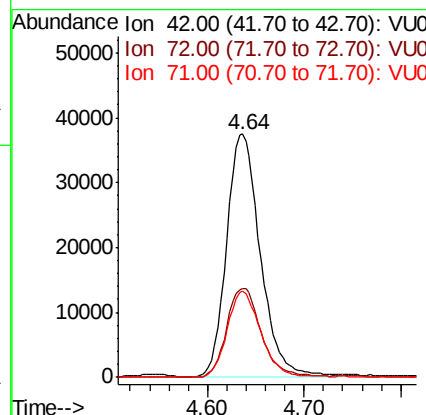
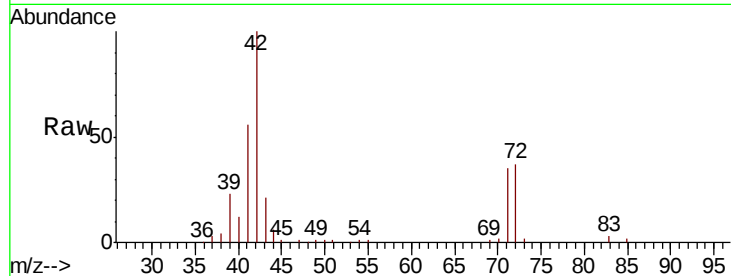
#29
Tetrahydrofuran
Concen: 105.405 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VU027067.D
Acq: 23 Sep 2018 13:23

Instrument :
MSVOA_U
ClientSampleId :
VU0923WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.7	31.7	47.5
71	35.2	29.6	44.4

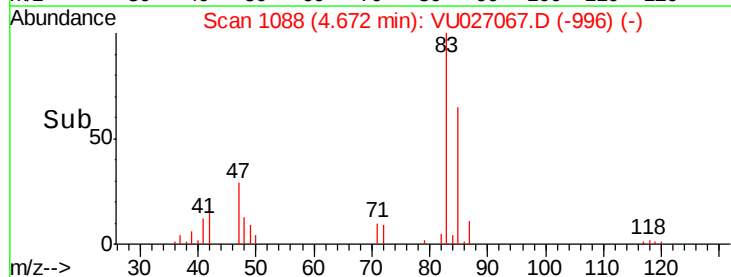
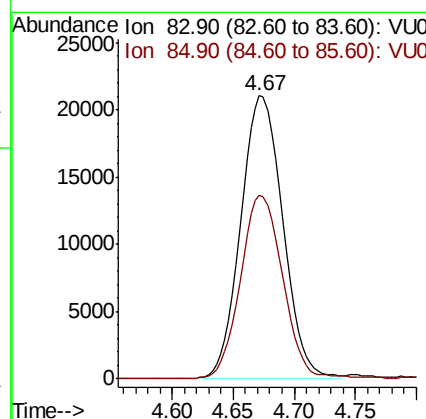
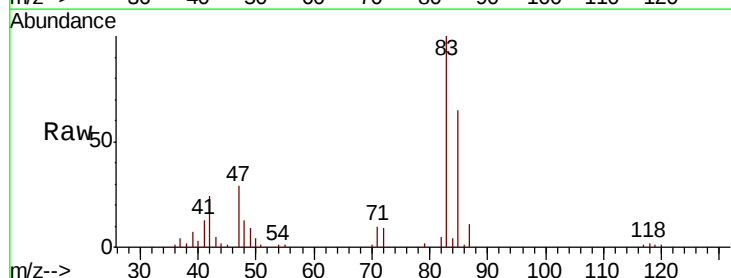
Manual Integrations
APPROVED

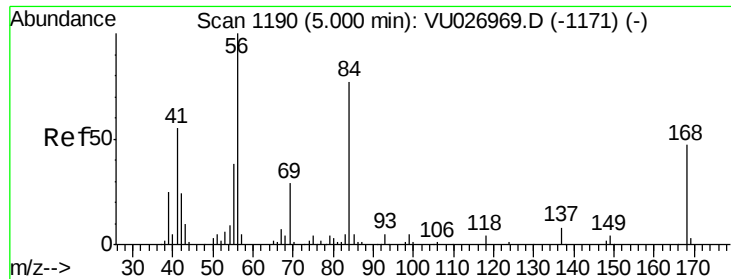
MMDadoda
9/24/2018 4:40:37 PM



#30
Chloroform
Concen: 19.458 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VU027067.D
Acq: 23 Sep 2018 13:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.5	77.3





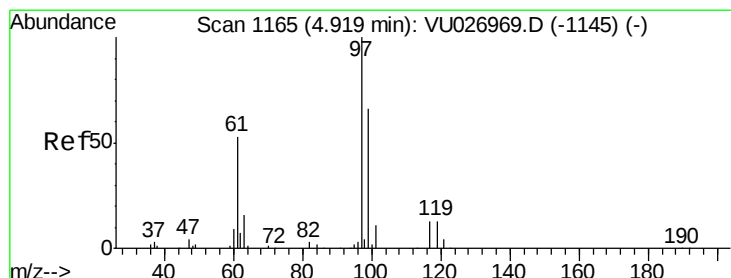
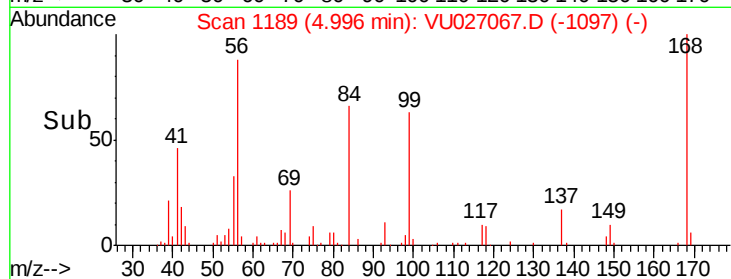
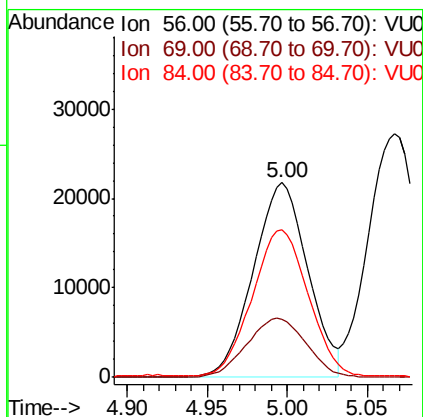
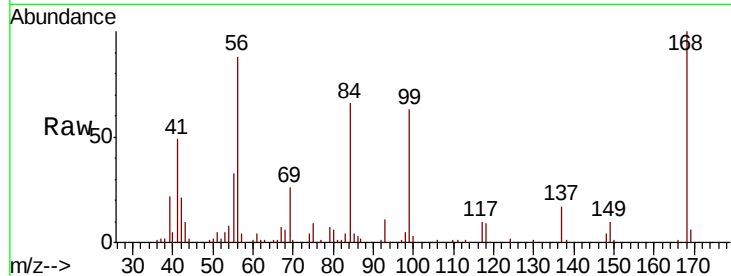
#31
Cyclohexane
Concen: 19.974 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU027067.D
Acq: 23 Sep 2018 13:23

Instrument :
MSVOA_U
ClientSampleId :
VU0923WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.1	23.0	34.4
84	74.9	61.4	92.2

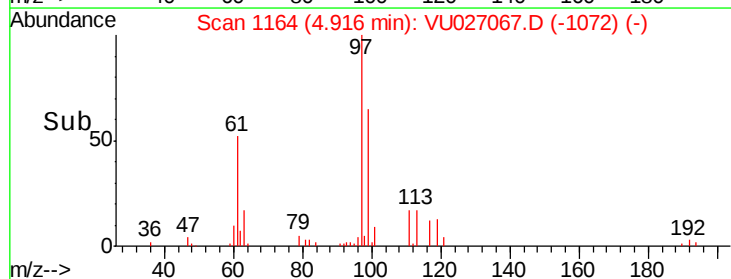
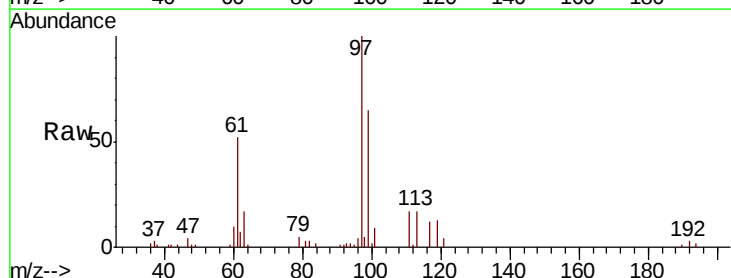
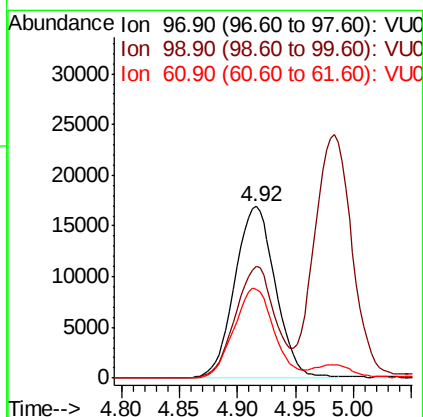
Manual Integrations
APPROVED

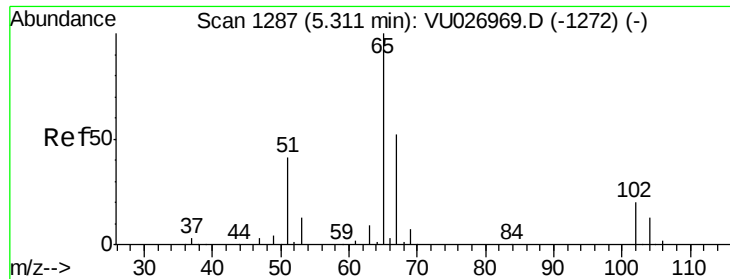
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 19.973 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU027067.D
Acq: 23 Sep 2018 13:23

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.8	77.6
61	51.4	41.1	61.7





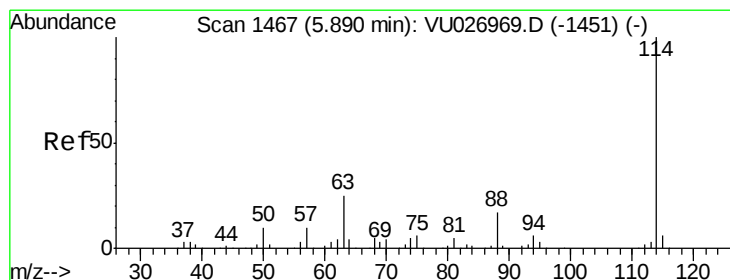
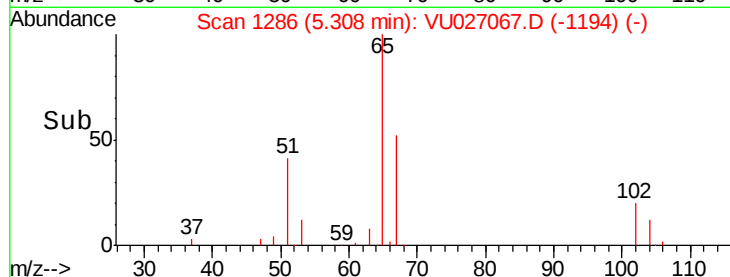
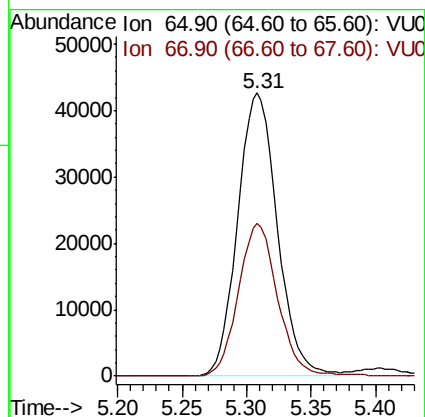
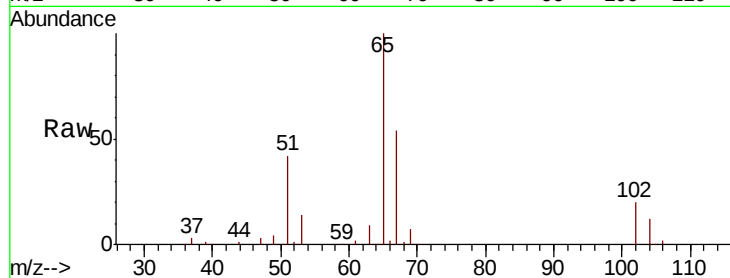
#33
 1,2-Dichloroethane-d4
 Concen: 53.726 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU027067.D
 Acq: 23 Sep 2018 13:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0923WBS02

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	105.6

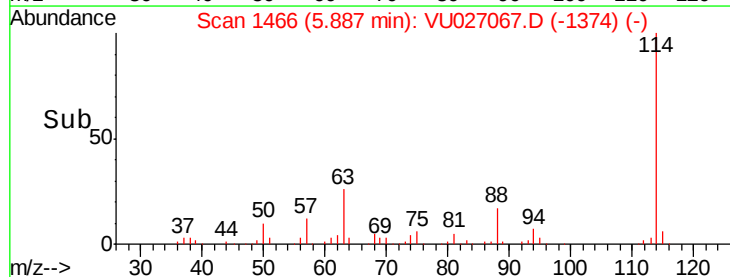
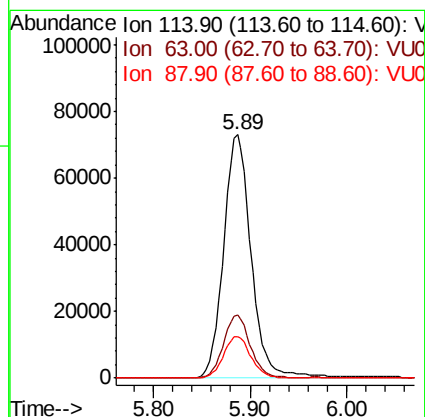
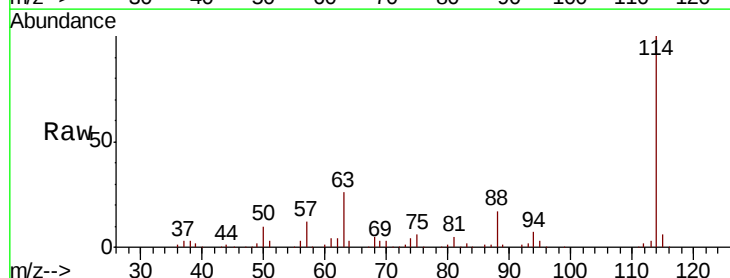
Manual Integrations
 APPROVED

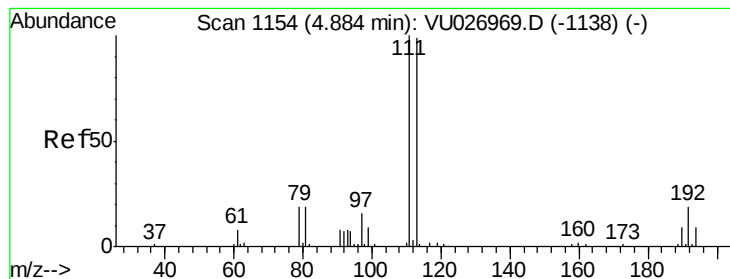
MMDadoda
 9/24/2018 4:40:37 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027067.D
 Acq: 23 Sep 2018 13:23

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.8	0.0	49.2
88	17.0	0.0	33.8





#35

Dibromofluoromethane

Concen: 50.777 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. -0.00 min

Lab File: VU027067.D

Acq: 23 Sep 2018 13:23

Instrument :

MSVOA_U

ClientSampleId :

VU0923WBS02

Tot Ion:113 Resp: 63648

Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.4

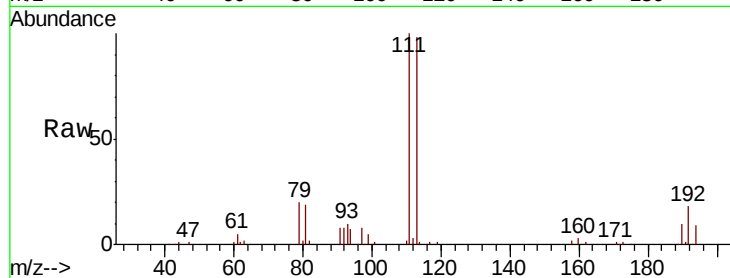
192 18.2 15.2 22.8

Manual Integrations

APPROVED

MMDadoda

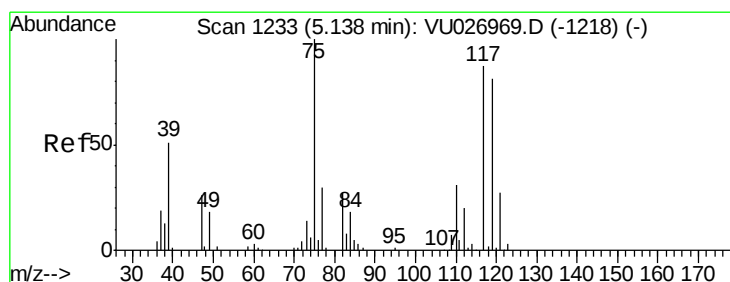
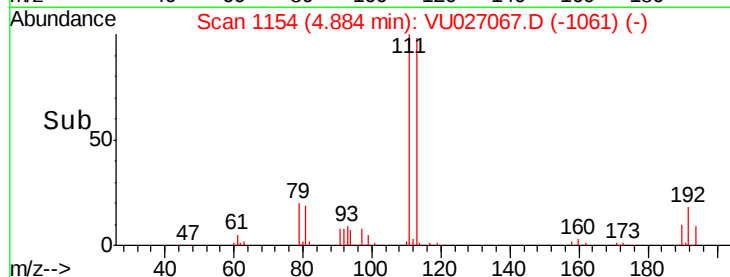
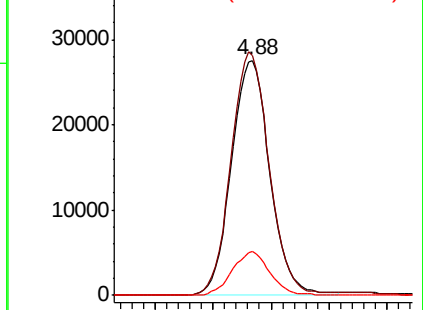
9/24/2018 4:40:37 PM



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.609 ug/l

RT: 5.14 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VU027067.D

Acq: 23 Sep 2018 13:23

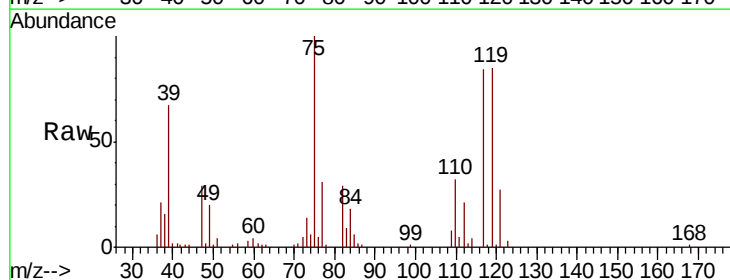
Tgt Ion: 75 Resp: 37845

Ion Ratio Lower Upper

75 100

110 29.6 16.1 48.2

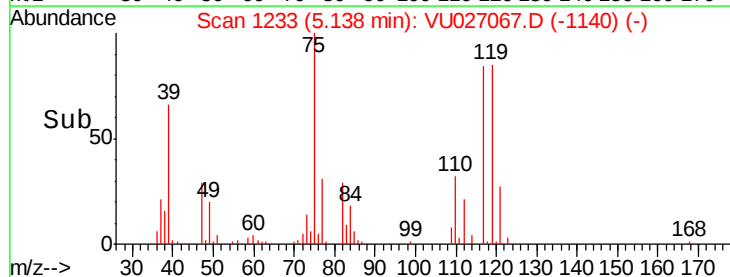
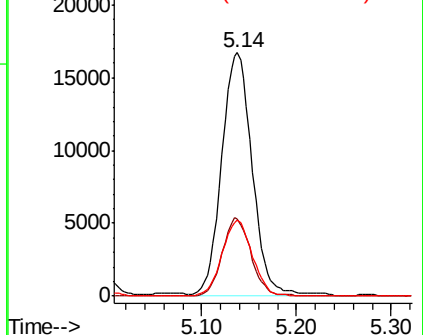
77 30.3 24.6 36.8

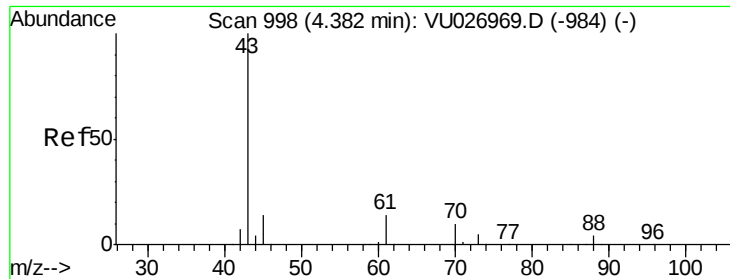


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





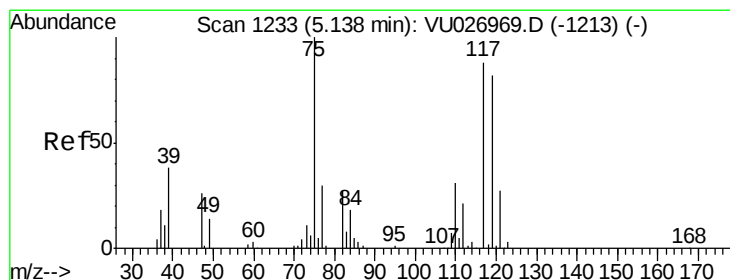
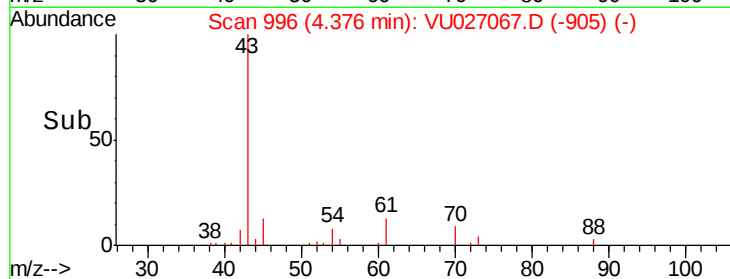
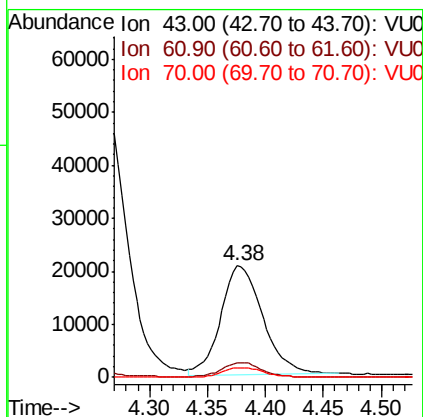
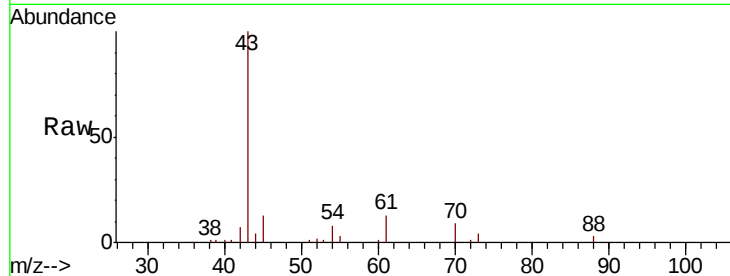
#37
Ethyl Acetate
Concen: 19.733 ug/l
RT: 4.38 min Scan# 996
Delta R.T. -0.01 min
Lab File: VU027067.D
Acq: 23 Sep 2018 13:23

Instrument :
MSVOA_U
ClientSampleId :
VU0923WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.9	10.5	15.7
70	8.7	7.4	11.0

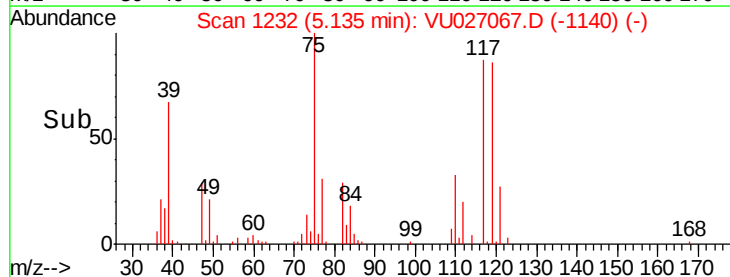
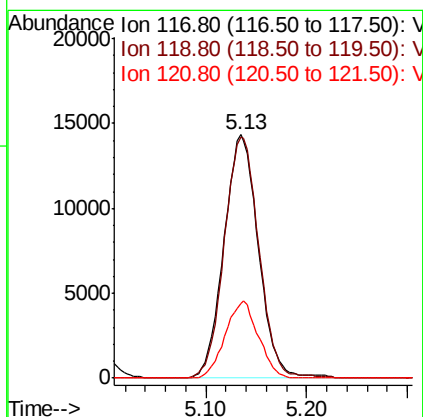
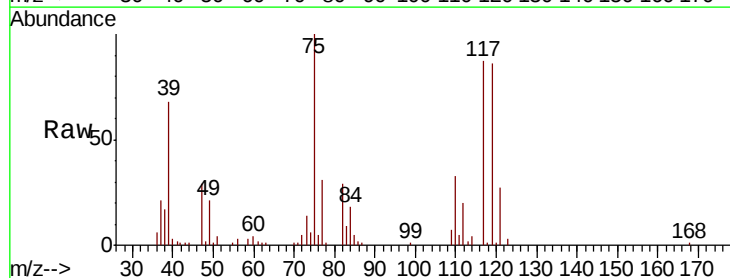
Manual Integrations
APPROVED

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9/24/2018 4:40:37 PM



#38
Carbon Tetrachloride
Concen: 18.613 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU027067.D
Acq: 23 Sep 2018 13:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.2	74.4	111.6
121	30.7	24.2	36.4





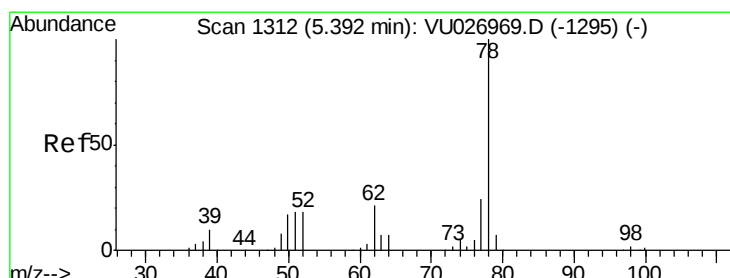
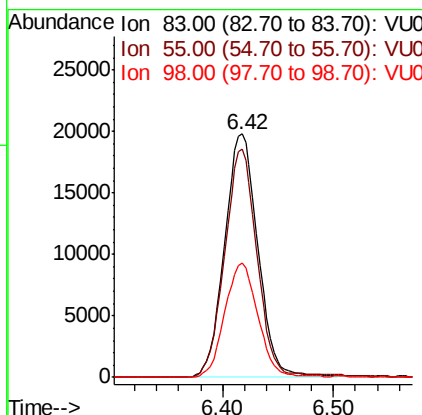
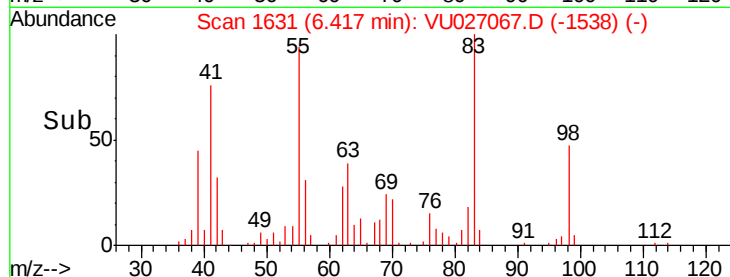
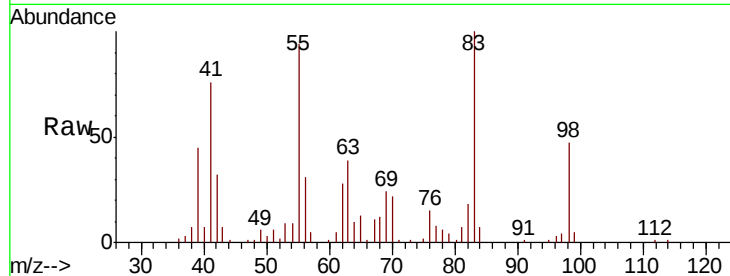
#39
Methvlcvclohexane
Concen: 19.822 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VU027067.D
Acq: 23 Sep 2018 13:23

Instrument :
MSVOA_U
ClientSampleId :
VU0923WBS02

Tot Ion	83	Resp	41573
Ion Ratio	Lower	Upper	
83	100		
55	93.9	69.9	104.9
98	47.1	37.5	56.3

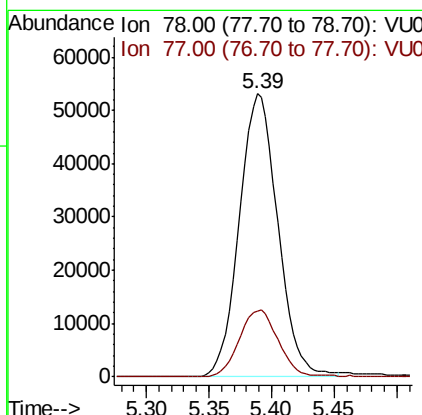
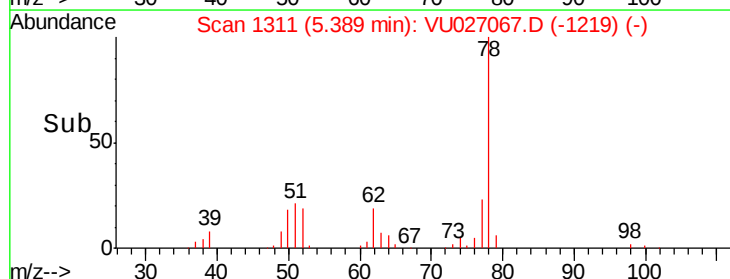
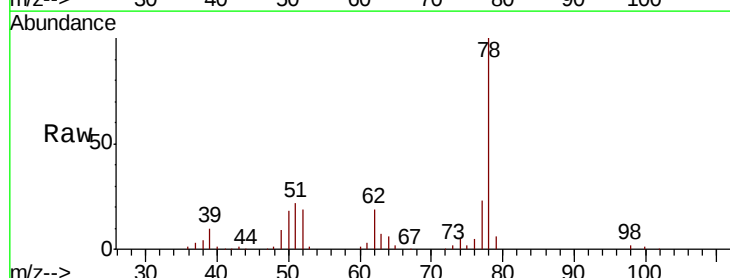
Manual Integrations
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#40
Benzene
Concen: 19.331 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU027067.D
Acq: 23 Sep 2018 13:23

Tgt Ion	78	Resp	113415
Ion Ratio	Lower	Upper	
78	100		
77	23.4	19.4	29.0





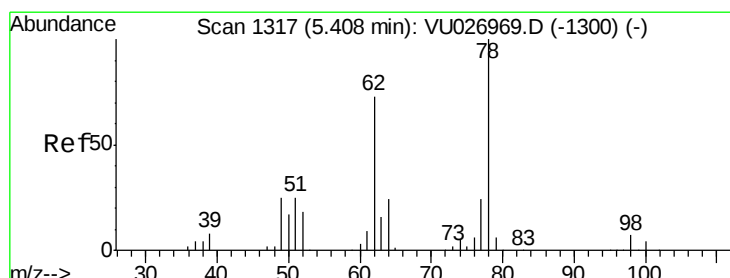
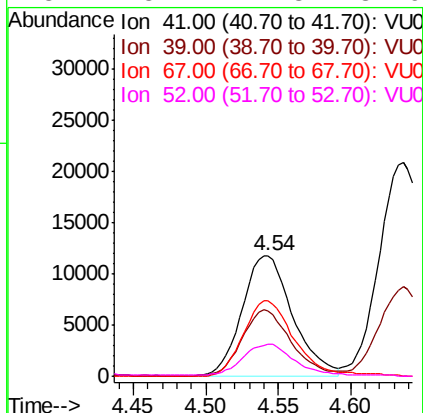
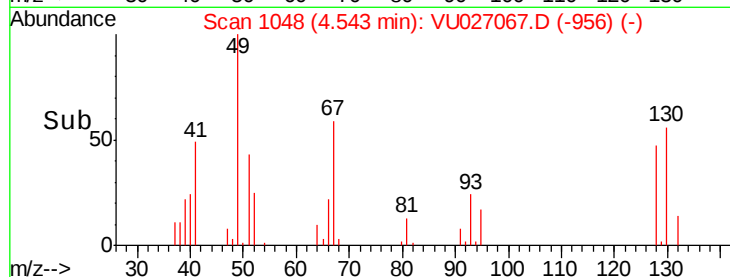
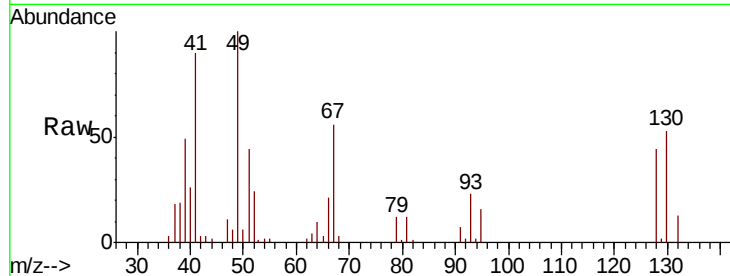
#41
Methacrylonitrile
Concen: 21.109 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU027067.D
Acq: 23 Sep 2018 13:23

Instrument :
MSVOA_U
ClientSampleId :
VU0923WBS02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.5	42.9	64.3	
67	63.3	52.4	78.6	
52	25.2	21.3	31.9	

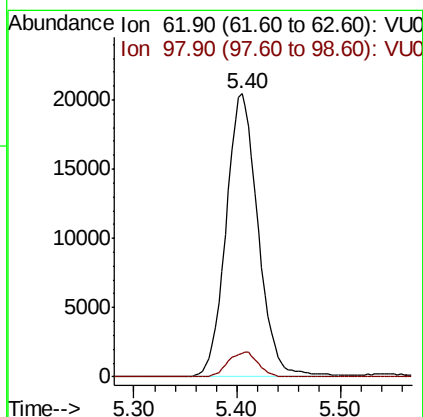
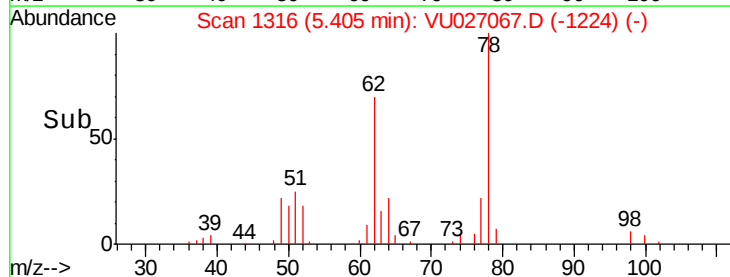
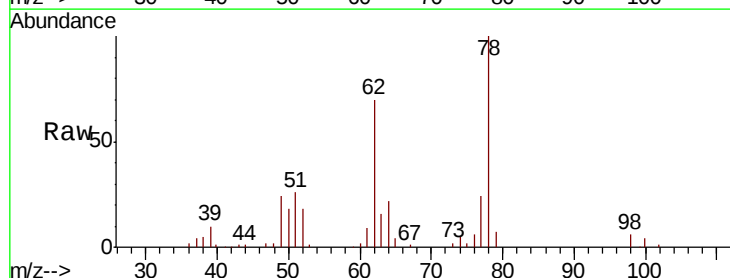
Manual Integrations
APPROVED

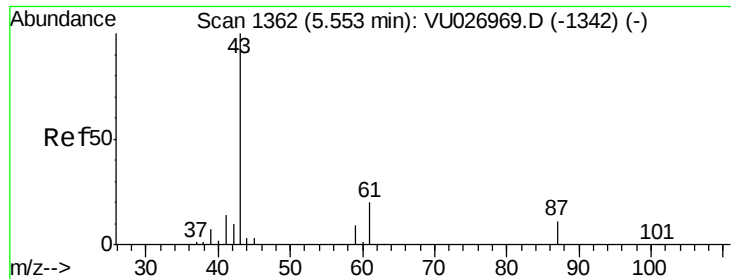
MMDadoda
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#42
1,2-Dichloroethane
Concen: 19.942 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU027067.D
Acq: 23 Sep 2018 13:23

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.1	0.0	17.0	





#43

Isopropyl Acetate

Concen: 20.645 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. -0.01 min

Lab File: VU027067.D

Acq: 23 Sep 2018 13:23

Instrument :

MSVOA_U

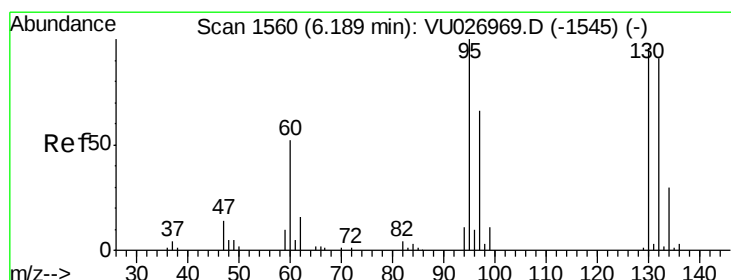
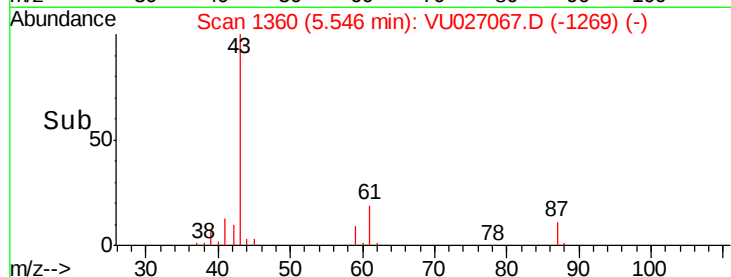
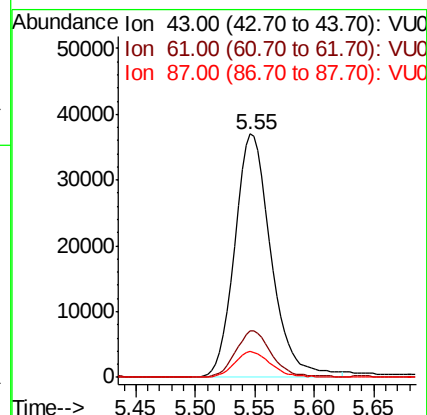
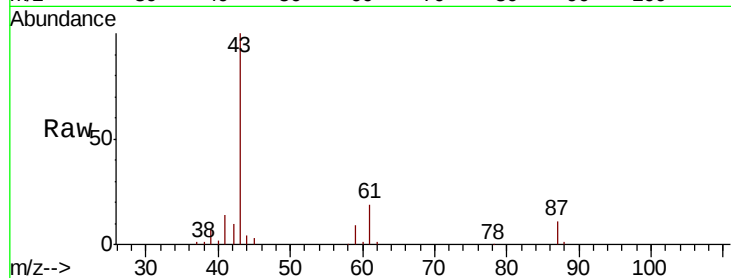
ClientSampleId :

VU0923WBS02

Tot Ion:	43	Resp:	78665
Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.7	23.5
87	10.4	9.0	13.4

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#44

Trichloroethene

Concen: 19.380 ug/l

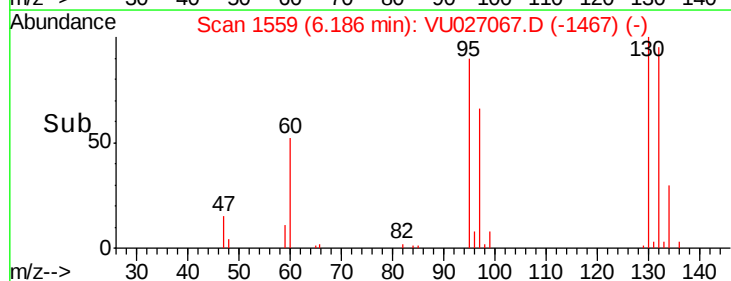
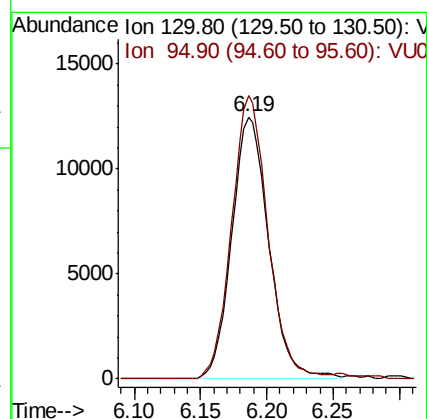
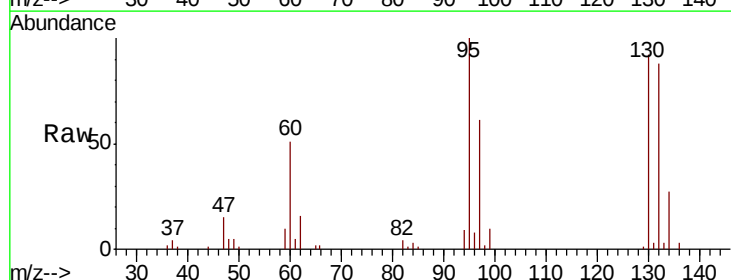
RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU027067.D

Acq: 23 Sep 2018 13:23

Tgt Ion:	130	Resp:	24207
Ion	Ratio	Lower	Upper
130	100		
95	108.1	0.0	208.8





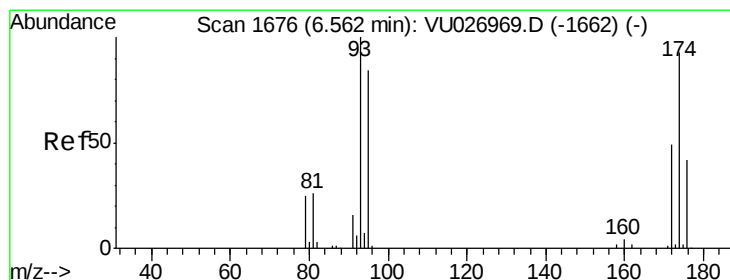
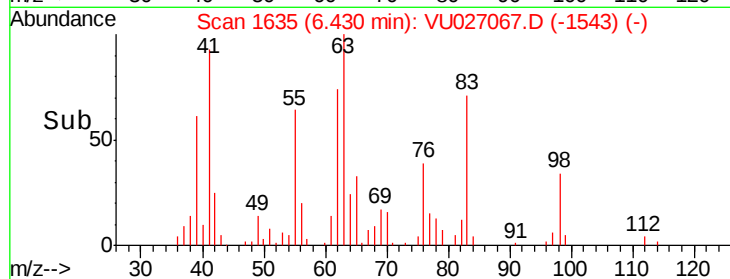
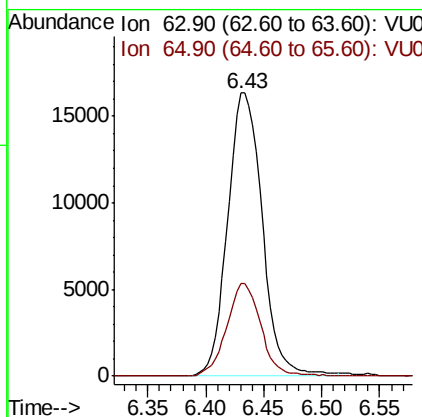
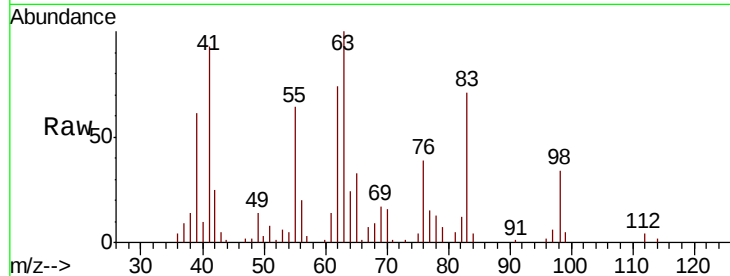
#45
 1,2-Dichloropropane
 Concen: 20.218 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. -0.00 min
 Lab File: VU027067.D
 Acq: 23 Sep 2018 13:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0923WBS02

Tot Ion: 63 Resp: 33799
 Ion Ratio Lower Upper
 63 100
 65 32.6 24.3 36.5

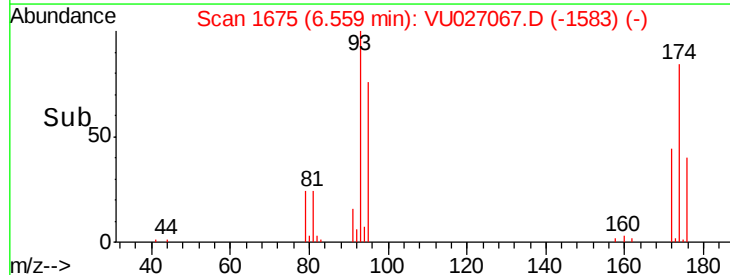
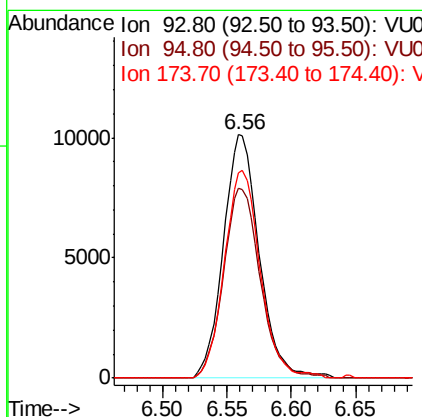
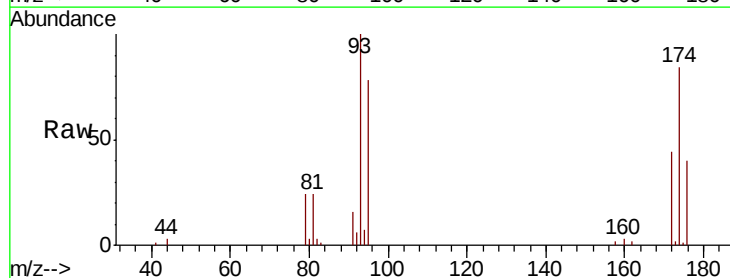
Manual Integrations
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#46
 Dibromomethane
 Concen: 19.372 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: VU027067.D
 Acq: 23 Sep 2018 13:23

Tgt Ion: 93 Resp: 19559
 Ion Ratio Lower Upper
 93 100
 95 80.3 66.2 99.4
 174 84.7 71.7 107.5





#47

Bromodichloromethane

Concen: 19.124 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VU027067.D

Acq: 23 Sep 2018 13:23

Instrument :

MSVOA_U

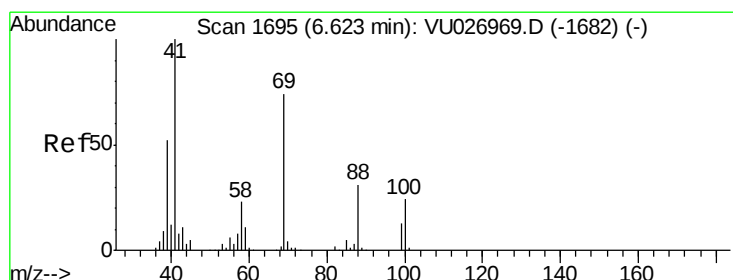
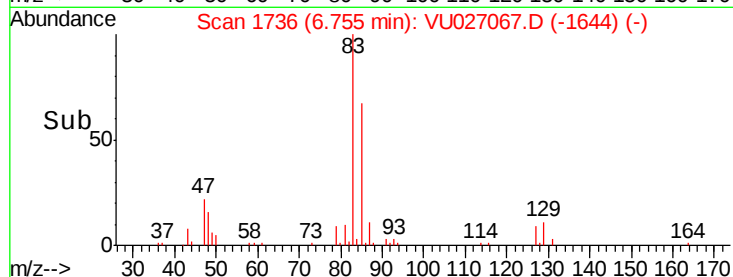
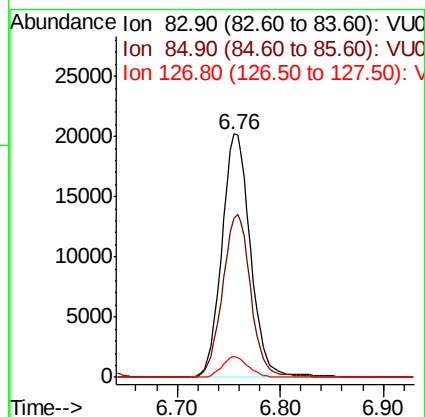
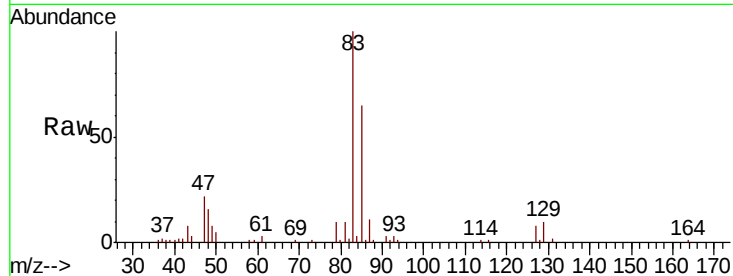
ClientSampleId :

VU0923WBS02

Tot Ion:	83	Resp:	39043
Ion Ratio	Lower	Upper	
83	100		
85	65.1	52.5	78.7
127	8.4	6.3	9.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.488 ug/l

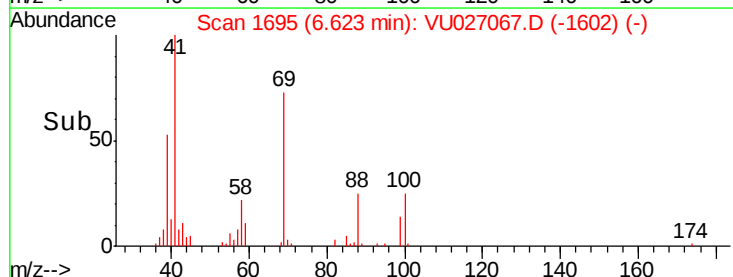
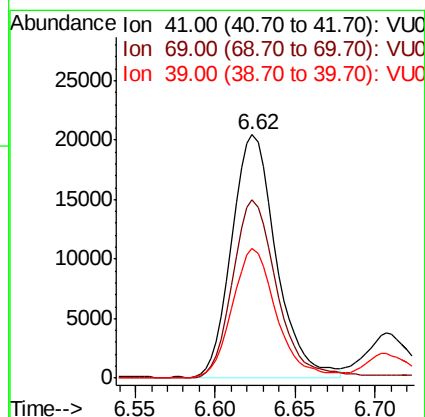
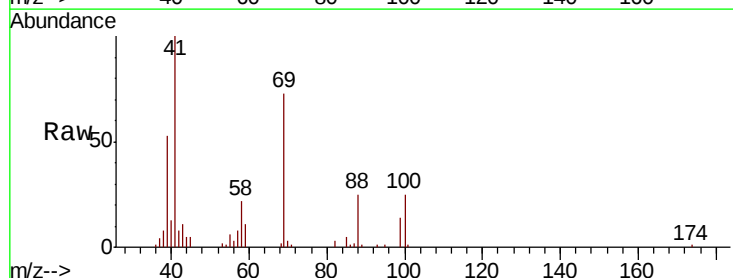
RT: 6.62 min Scan# 1695

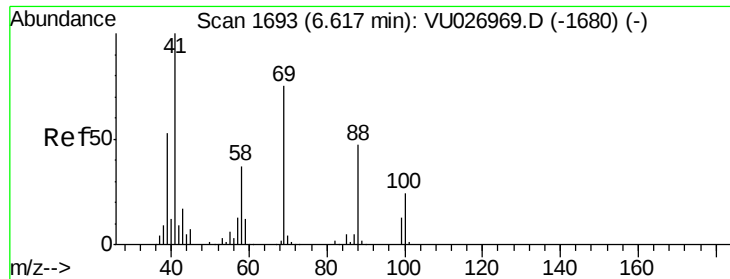
Delta R.T. 0.00 min

Lab File: VU027067.D

Acq: 23 Sep 2018 13:23

Tgt Ion:	41	Resp:	39108
Ion Ratio	Lower	Upper	
41	100		
69	72.7	60.6	90.8
39	52.4	42.8	64.2





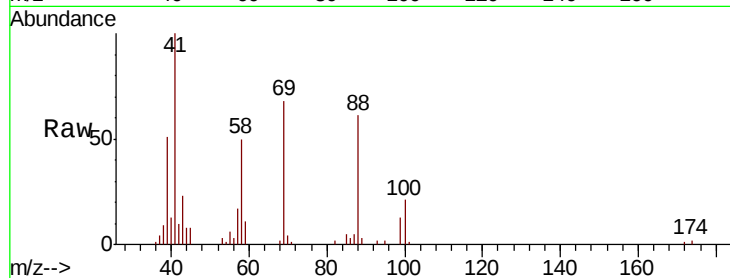
#49
1,4-Dioxane
Concen: 342.864 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.01 min
Lab File: VU027067.D
Acq: 23 Sep 2018 13:23

Instrument :
MSVOA_U
ClientSampleId :
VU0923WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.8	29.8	44.8
58	84.9	63.9	95.9

Manual Integrations
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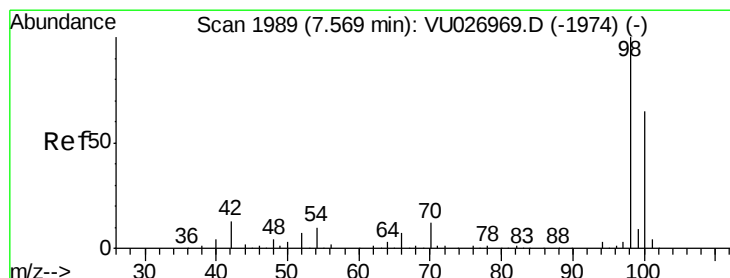
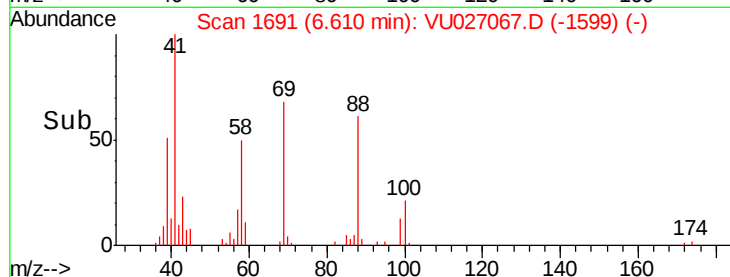
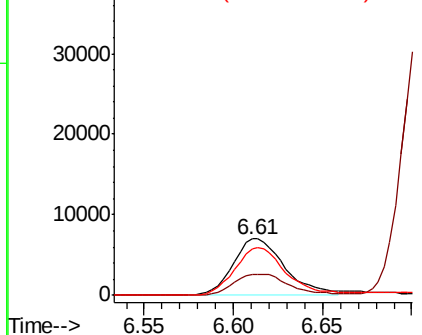


Abundance

Ion 88.00 (87.70 to 88.70): VU026969.D (-1680) (-)

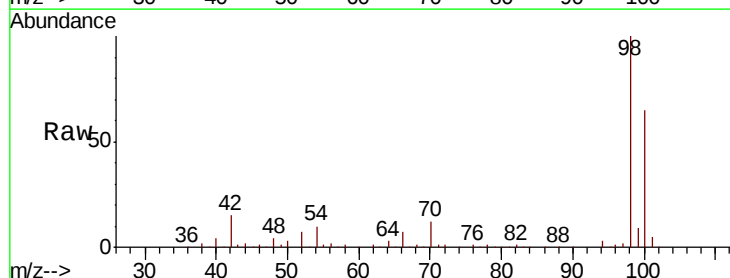
Ion 43.00 (42.70 to 43.70): VU026969.D (-1680) (-)

Ion 58.00 (57.70 to 58.70): VU026969.D (-1680) (-)



#50
Toluene-d8
Concen: 52.241 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027067.D
Acq: 23 Sep 2018 13:23

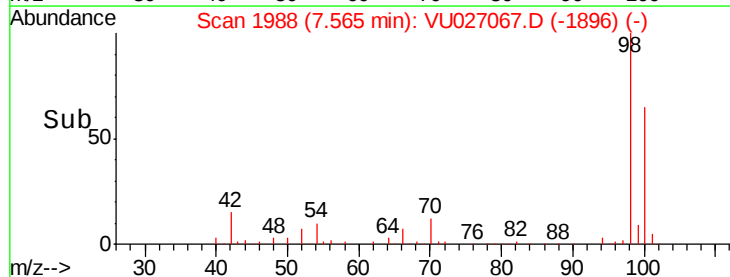
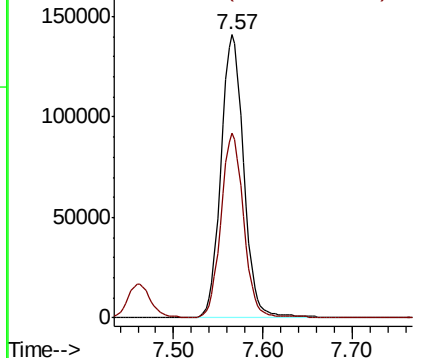
Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	52.1	78.1



Abundance

Ion 98.00 (97.70 to 98.70): VU026969.D (-1974) (-)

Ion 100.00 (99.70 to 100.70): VU026969.D (-1974) (-)





#51

4-Methyl-2-Pentanone

Concen: 103.775 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VU027067.D

Acq: 23 Sep 2018 13:23

Instrument :

MSVOA_U

ClientSampleId :

VU0923WBS02

Tot Ion: 43 Resp: 265940

Ion Ratio Lower Upper

43 100

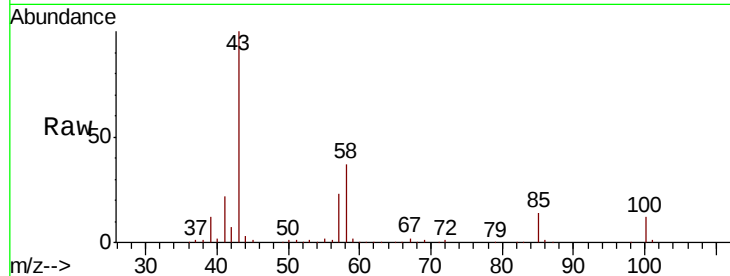
58 36.6 29.8 44.6

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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

150000

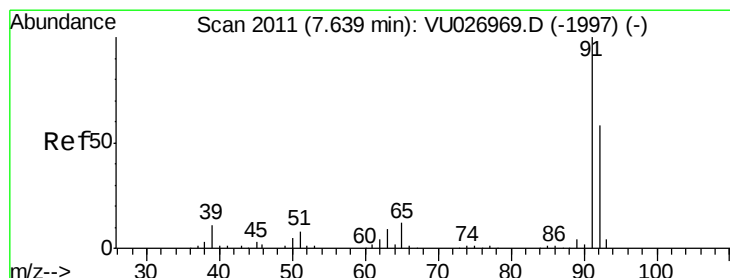
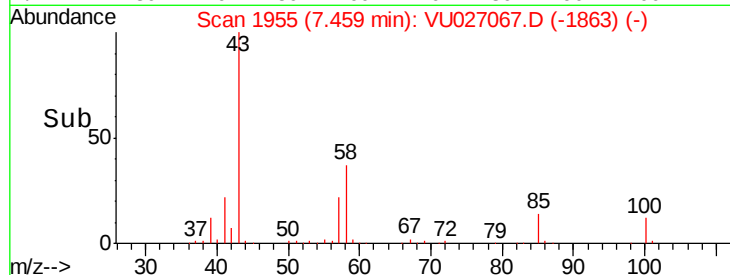
100000

50000

0

7.40 7.50

Time-->



#52

Toluene

Concen: 19.882 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. -0.00 min

Lab File: VU027067.D

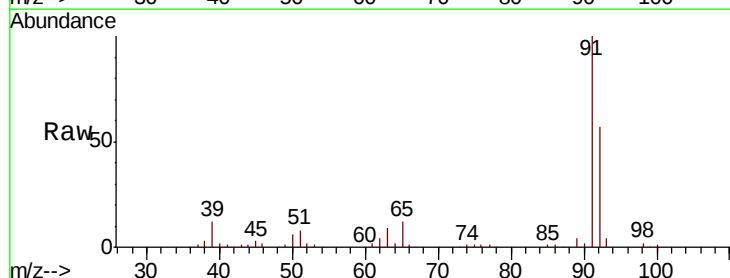
Acq: 23 Sep 2018 13:23

Tgt Ion: 92 Resp: 66864

Ion Ratio Lower Upper

92 100

91 175.3 136.4 204.6



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

80000

60000

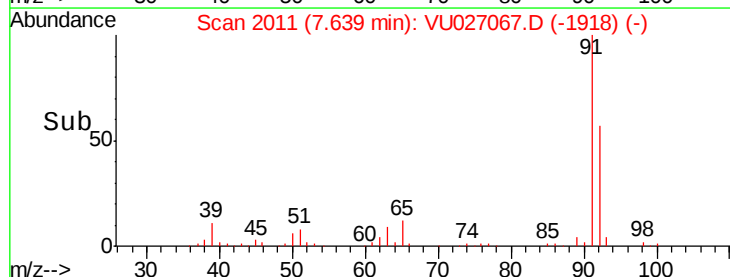
40000

20000

0

7.60 7.70 7.80

Time-->





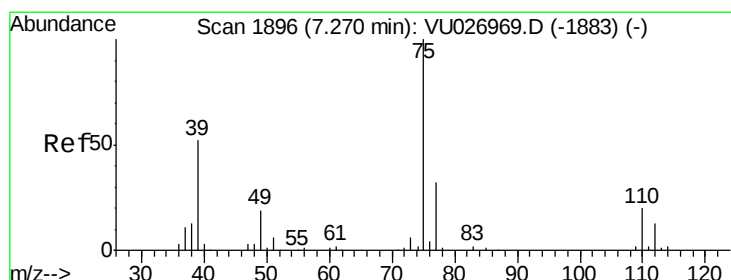
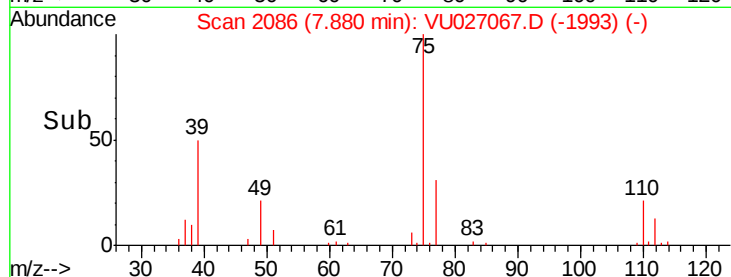
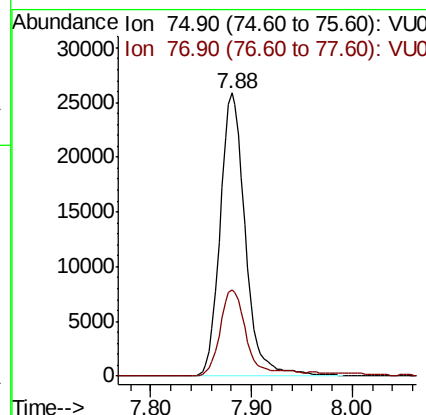
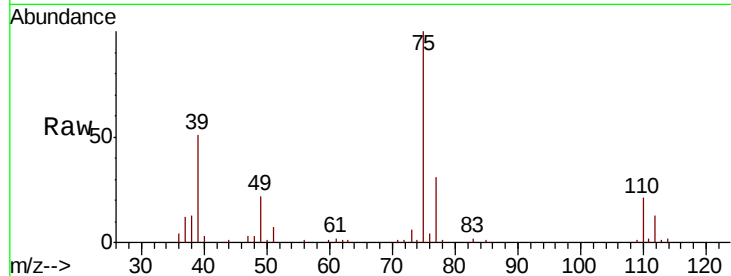
#53
t-1,3-Dichloropropene
Concen: 20.517 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. -0.00 min
Lab File: VU027067.D
Acq: 23 Sep 2018 13:23

Instrument :
MSVOA_U
ClientSampleId :
VU0923WBS02

Tot Ion: 75 Resp: 45004
Ion Ratio Lower Upper
75 100
77 30.6 25.3 37.9

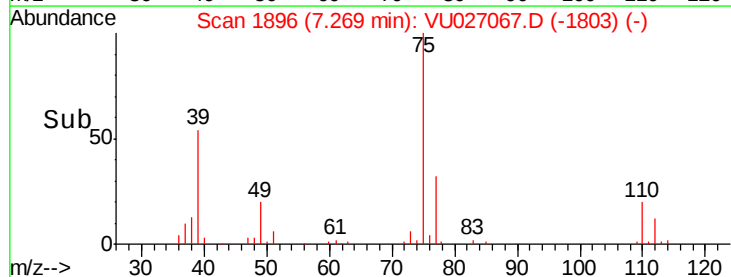
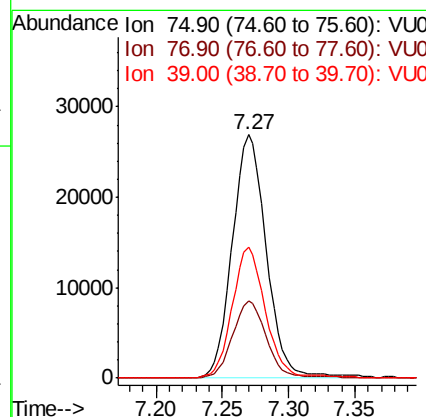
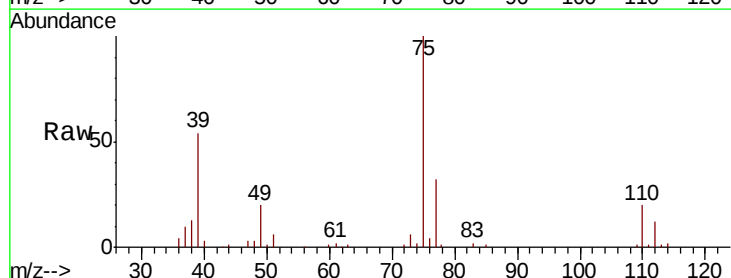
Manual Integrations
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#54
cis-1,3-Dichloropropene
Concen: 19.911 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. -0.00 min
Lab File: VU027067.D
Acq: 23 Sep 2018 13:23

Tgt Ion: 75 Resp: 48021
Ion Ratio Lower Upper
75 100
77 31.7 25.4 38.0
39 53.6 41.6 62.4





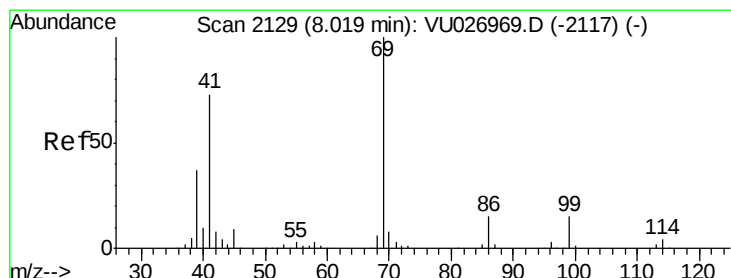
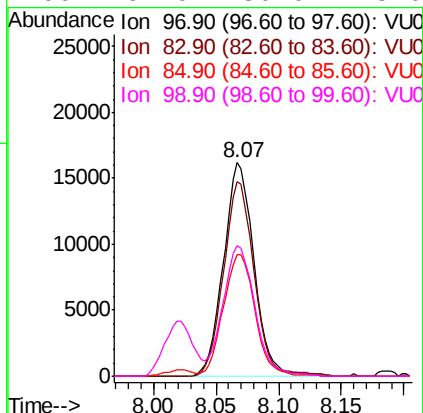
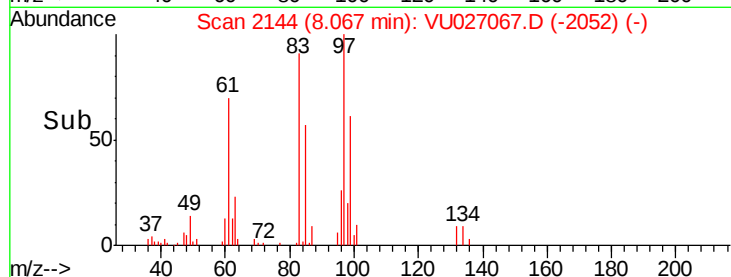
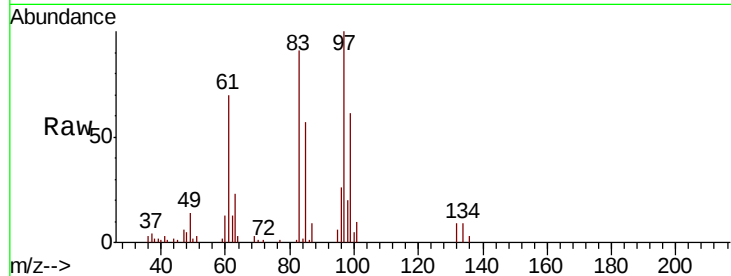
#55
 1,1,2-Trichloroethane
 Concen: 19.170 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027067.D
 Acq: 23 Sep 2018 13:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0923WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		27318		
83	91.1	73.1	109.7		
85	56.9	46.7	70.1		
99	61.0	50.0	75.0		

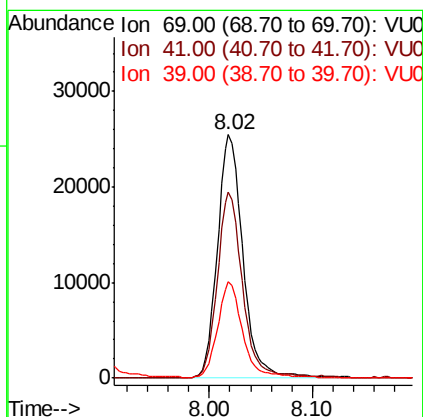
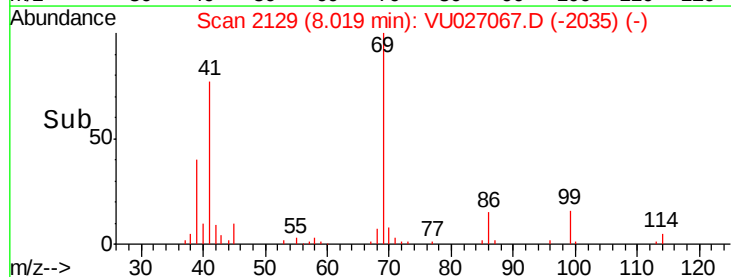
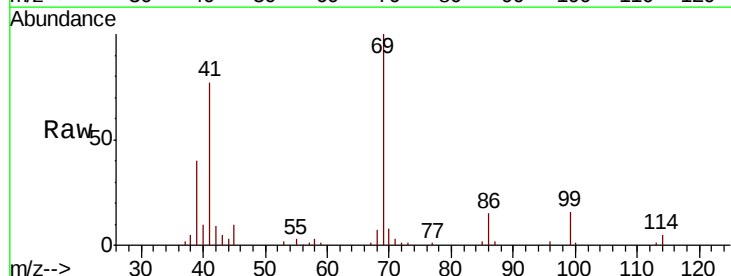
Manual Integrations
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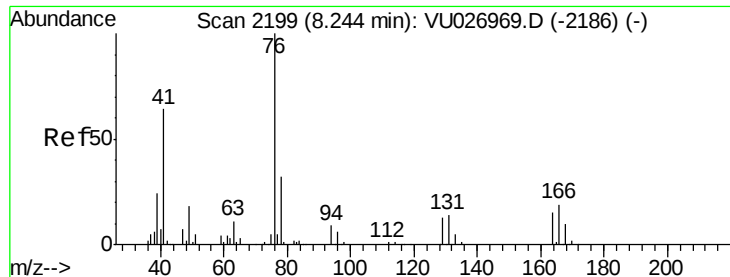
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#56
 Ethyl methacrylate
 Concen: 19.185 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027067.D
 Acq: 23 Sep 2018 13:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		43940		
41	75.5	59.0	88.4		
39	39.0	30.2	45.4		





#57

1,3-Dichloropropane

Concen: 19.968 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. -0.00 min

Lab File: VU027067.D

Acq: 23 Sep 2018 13:23

Instrument :

MSVOA_U

ClientSampleId :

VU0923WBS02

Tot Ion: 76 Resp: 52923

Ion Ratio Lower Upper

76 100

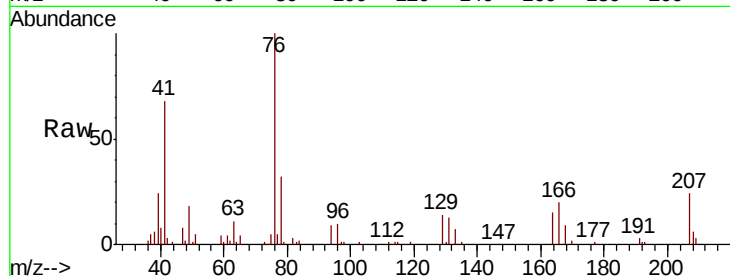
78 30.9 25.5 38.3

Manual Integrations

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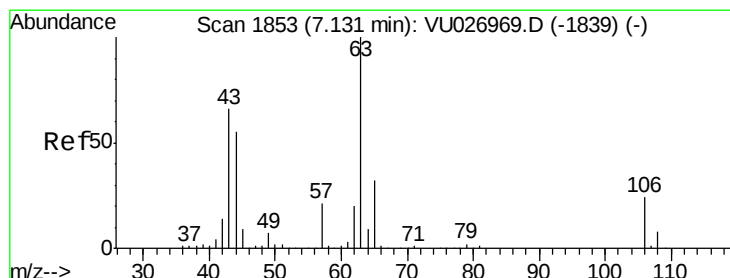
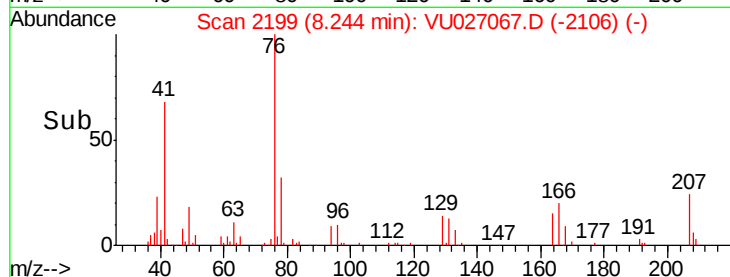
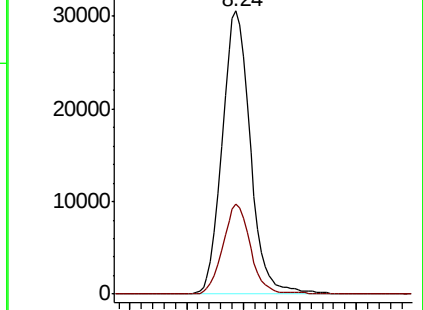
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VU026969.D (-2186) (-)

Ion 77.90 (77.60 to 78.60): VU026969.D (-2186) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 99.559 ug/l

RT: 7.13 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VU027067.D

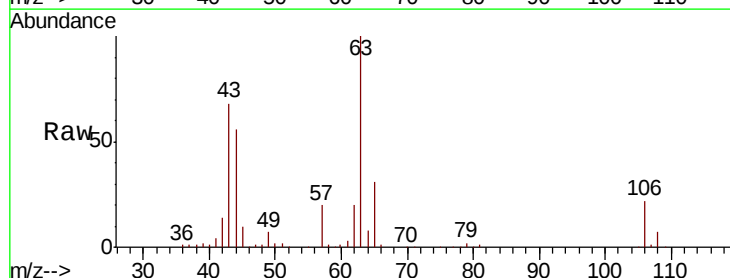
Acq: 23 Sep 2018 13:23

Tgt Ion: 63 Resp: 135515

Ion Ratio Lower Upper

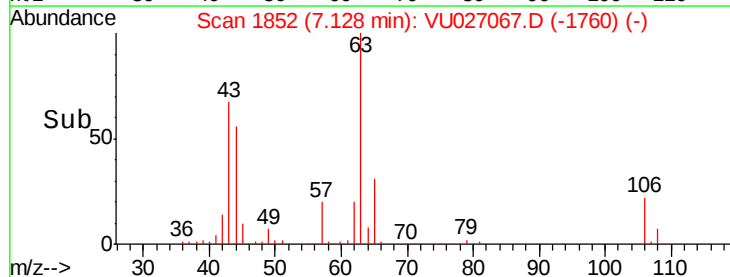
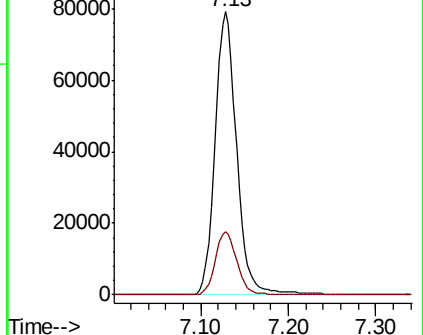
63 100

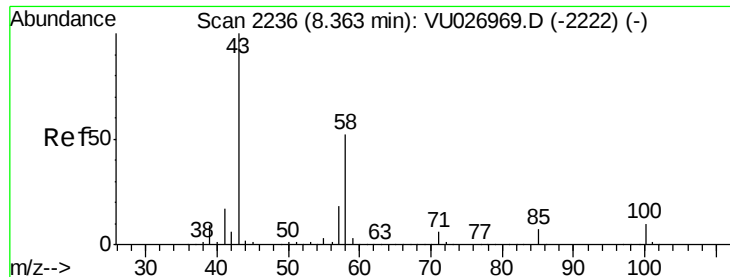
106 22.5 18.7 28.1



Abundance Ion 62.90 (62.60 to 63.60): VU026969.D (-1839) (-)

Ion 105.90 (105.60 to 106.60): VU026969.D (-1839) (-)





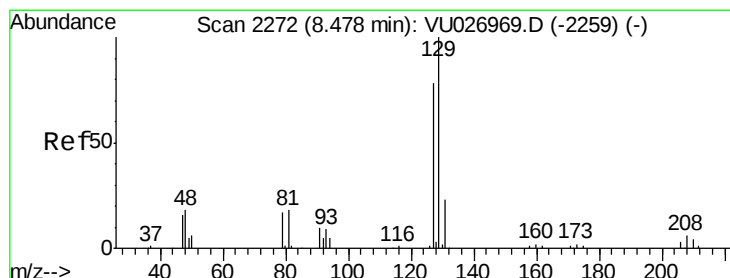
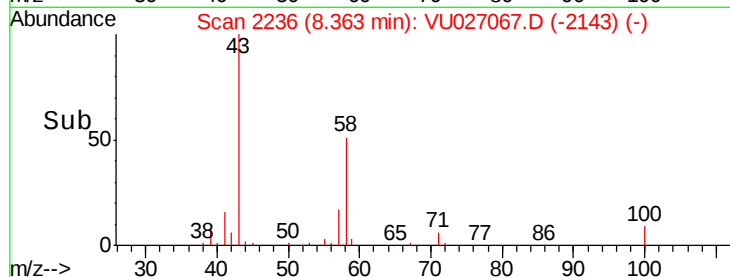
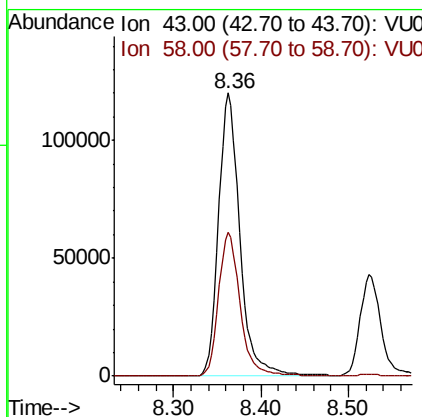
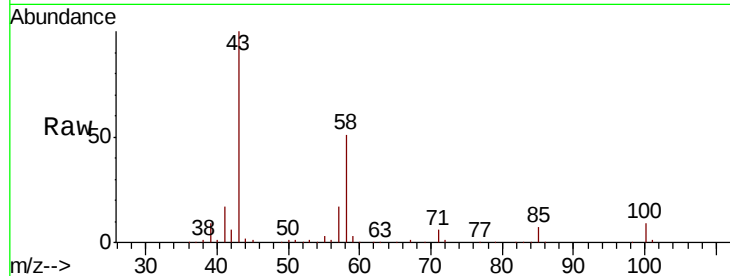
#59
2-Hexanone
Concen: 101.849 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU027067.D
Acq: 23 Sep 2018 13:23

Instrument :
MSVOA_U
ClientSampleId :
VU0923WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.3	26.1	78.2

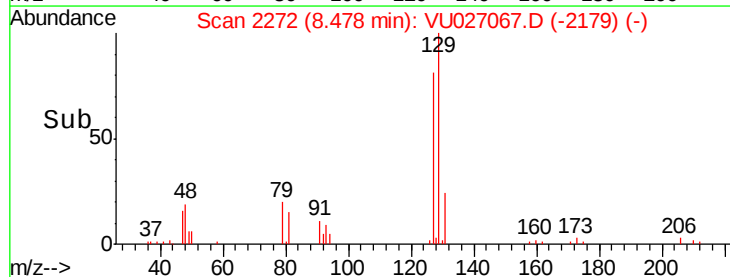
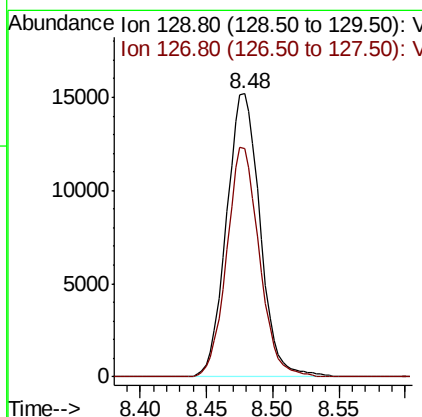
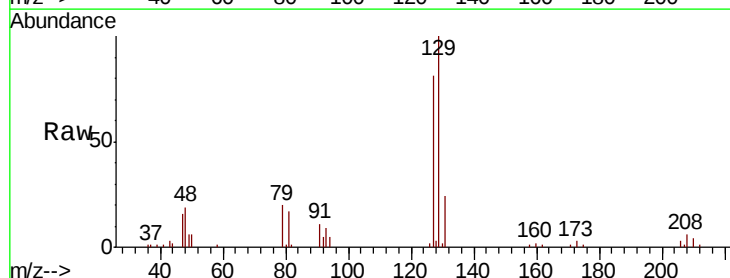
Manual Integrations
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9/24/2018 4:40:37 PM



#60
Dibromochloromethane
Concen: 19.174 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU027067.D
Acq: 23 Sep 2018 13:23

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.5	38.1	114.5





#61

1,2-Dibromoethane

Concen: 18.804 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VU027067.D

Acq: 23 Sep 2018 13:23

Instrument :

MSVOA_U

ClientSampleId :

VU0923WBS02

Tot Ion:107 Resp: 27880

Ion Ratio Lower Upper

107 100

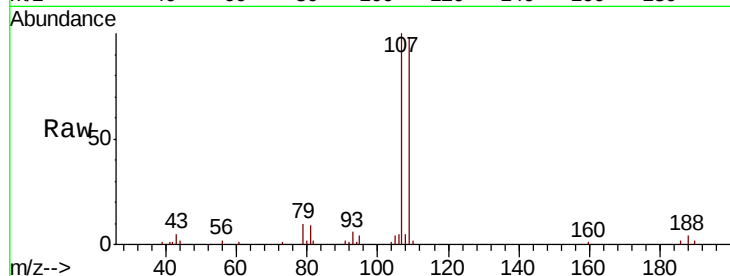
109 95.7 75.0 112.6

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.59

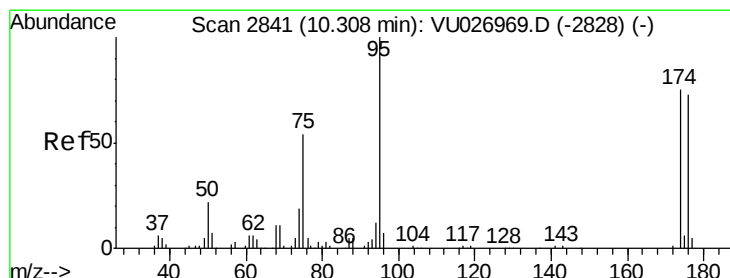
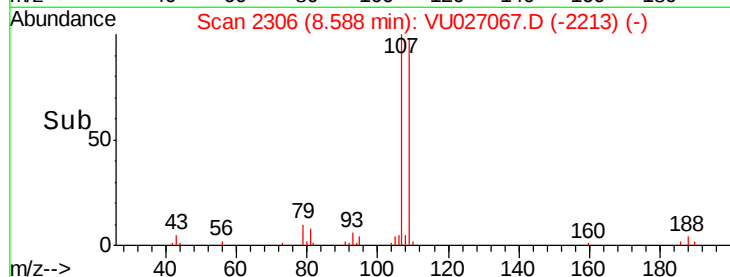
15000

10000

5000

0

Time--> 8.50 8.55 8.60 8.65 8.70



#62

4-Bromofluorobenzene

Concen: 52.479 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.00 min

Lab File: VU027067.D

Acq: 23 Sep 2018 13:23

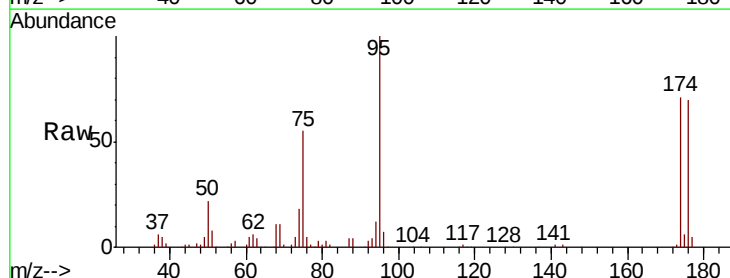
Tgt Ion: 95 Resp: 86021

Ion Ratio Lower Upper

95 100

174 71.9 0.0 150.2

176 70.8 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

10.31

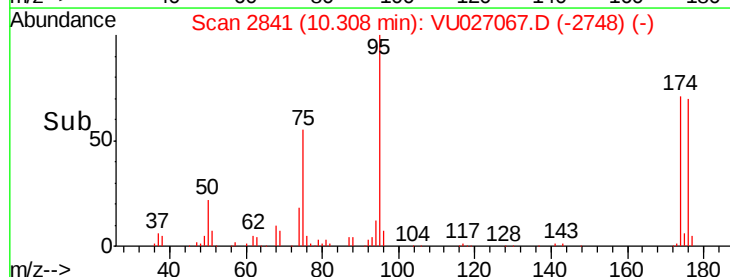
60000

40000

20000

0

Time--> 10.30 10.40





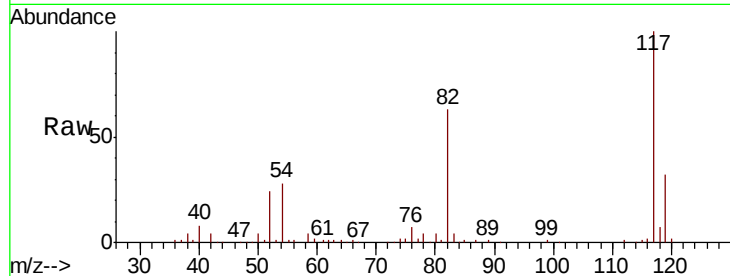
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027067.D
Acq: 23 Sep 2018 13:23

Instrument :
MSVOA_U
ClientSampleId :
VU0923WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	63.4	48.0	72.0
119	32.2	25.8	38.8

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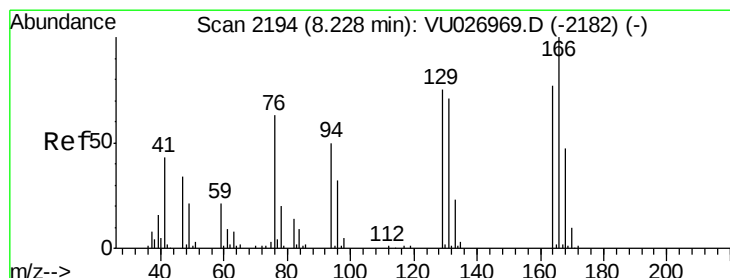
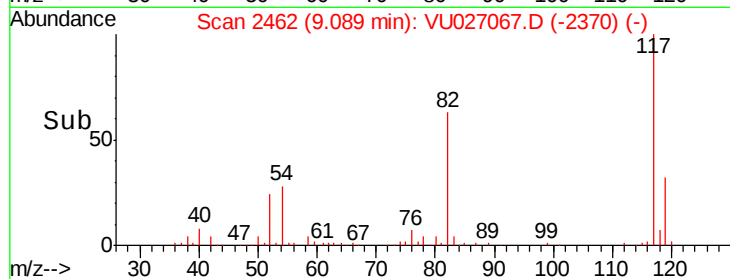
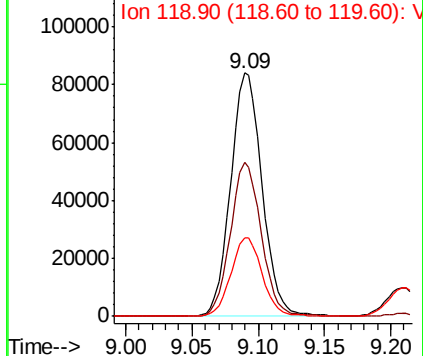


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 19.065 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU027067.D
Acq: 23 Sep 2018 13:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.9	104.4	156.6
129	102.4	78.7	118.1
131	98.4	73.9	110.9

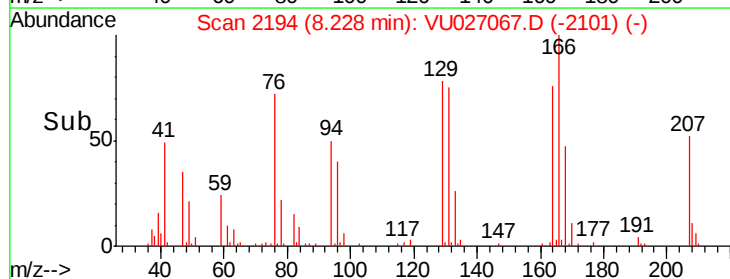
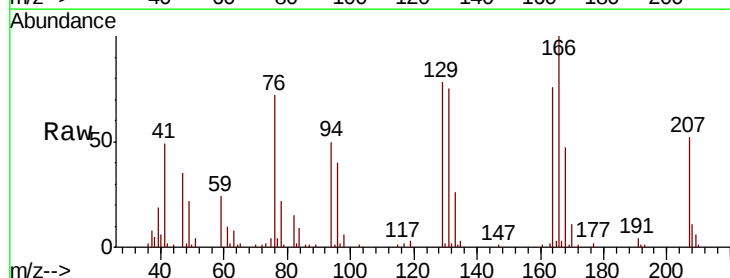
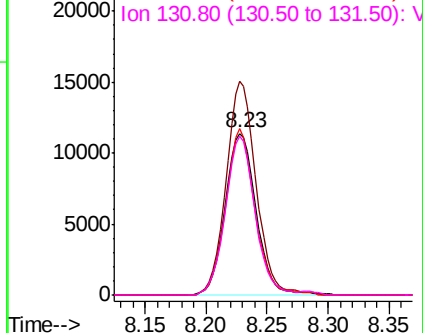
Abundance

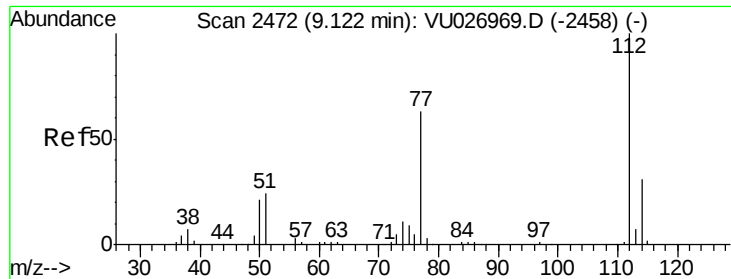
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





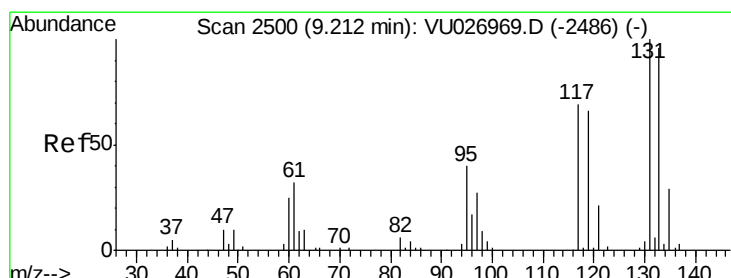
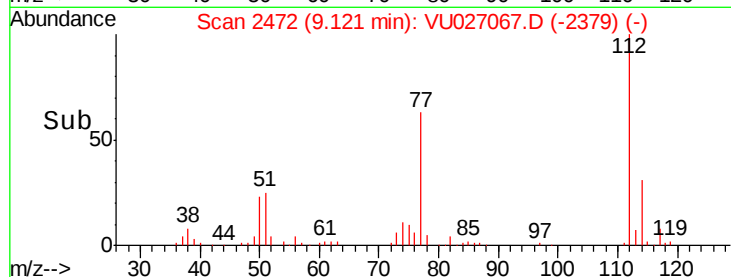
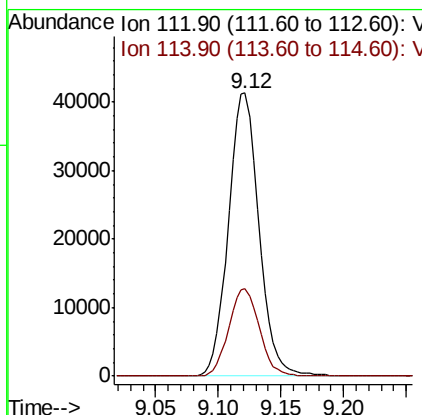
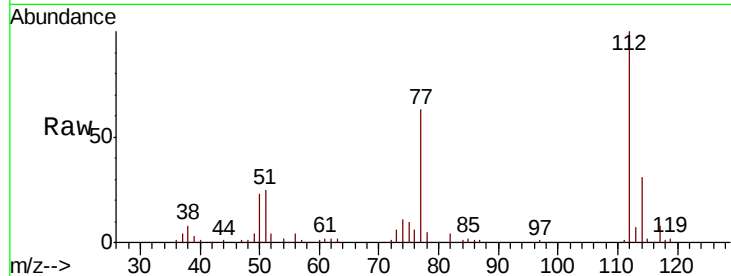
#65
Chlorobenzene
Concen: 18.967 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. -0.00 min
Lab File: VU027067.D
Acq: 23 Sep 2018 13:23

Instrument :
MSVOA_U
ClientSampleId :
VU0923WBS02

Tot Ion:112 Resp: 69809
Ion Ratio Lower Upper
112 100
114 30.8 25.0 37.6

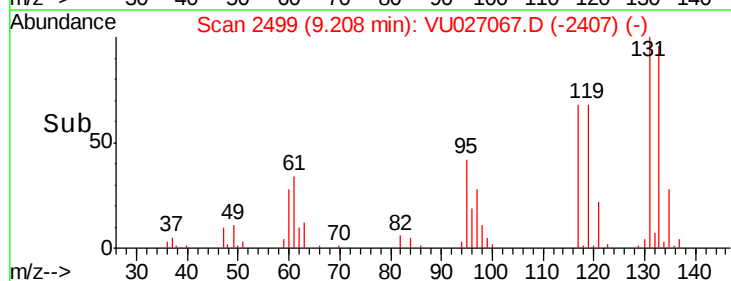
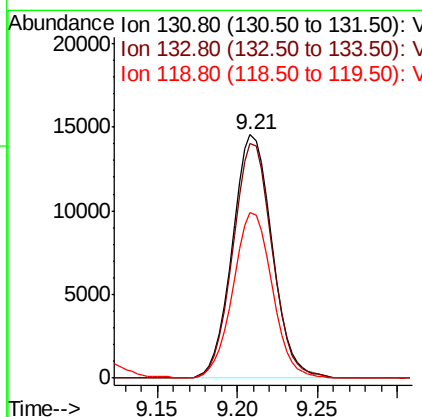
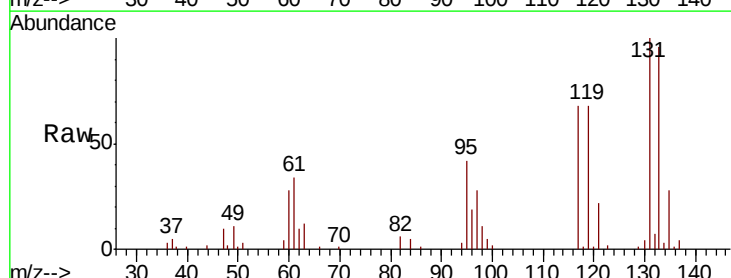
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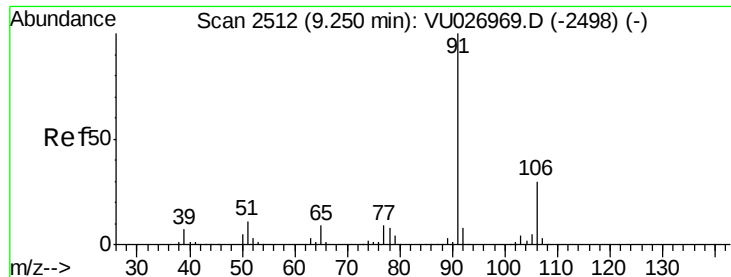
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.397 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU027067.D
Acq: 23 Sep 2018 13:23

Tgt Ion:131 Resp: 24590
Ion Ratio Lower Upper
131 100
133 95.7 48.0 144.2
119 66.9 33.4 100.1





#67

Ethyl Benzene

Concen: 20.006 ug/l

RT: 9.25 min Scan# 2512

Delta R.T. -0.00 min

Lab File: VU027067.D

Acq: 23 Sep 2018 13:23

Instrument :

MSVOA_U

ClientSampleId :

VU0923WBS02

Tot Ion: 91 Resp: 121081

Ion Ratio Lower Upper

91 100

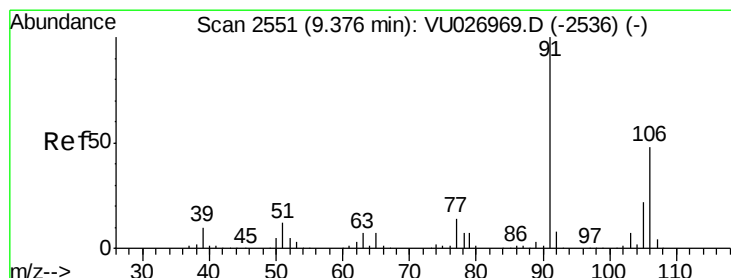
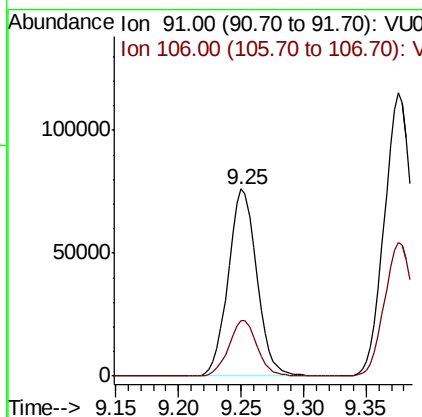
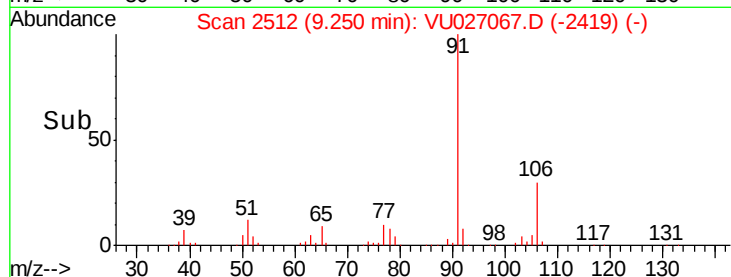
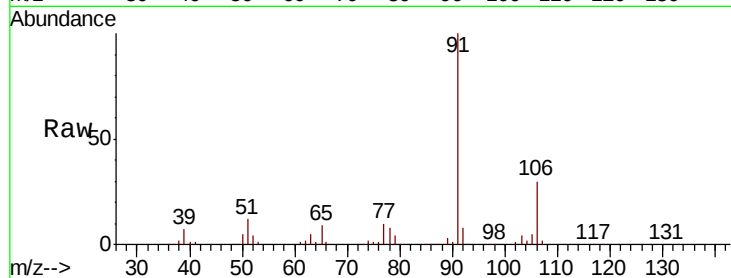
106 29.8 23.8 35.8

Manual Integrations

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#68

m/p-Xylenes

Concen: 38.024 ug/l

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU027067.D

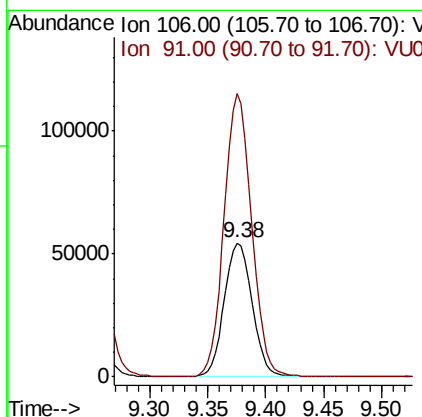
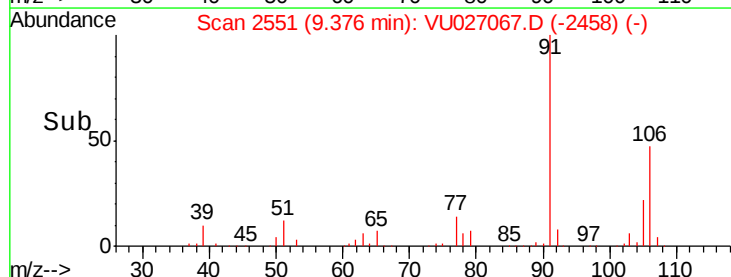
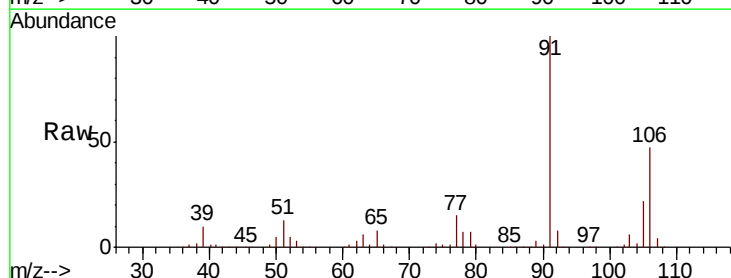
Acq: 23 Sep 2018 13:23

Tgt Ion: 106 Resp: 90887

Ion Ratio Lower Upper

106 100

91 206.9 166.5 249.7





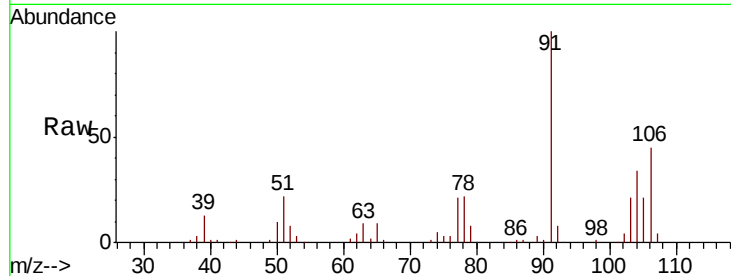
#69
o-Xylene
Concen: 20.671 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VU027067.D
Acq: 23 Sep 2018 13:23

Instrument :
MSVOA_U
ClientSampleId :
VU0923WBS02

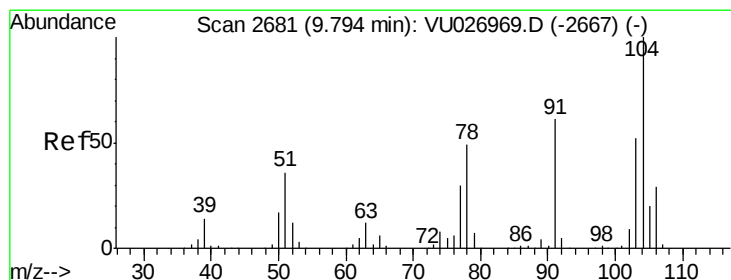
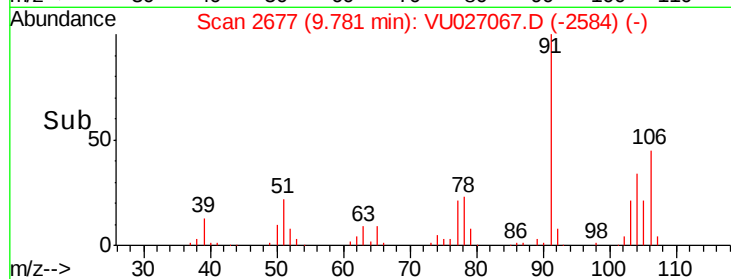
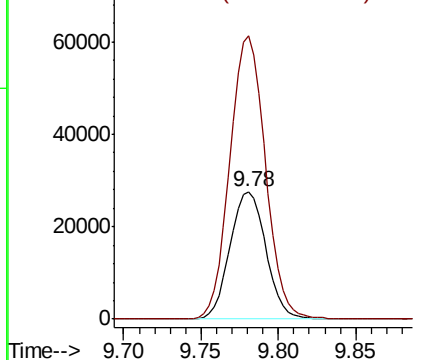
Tot Ion:106 Resp: 44328
Ion Ratio Lower Upper
106 100
91 220.6 110.2 330.6

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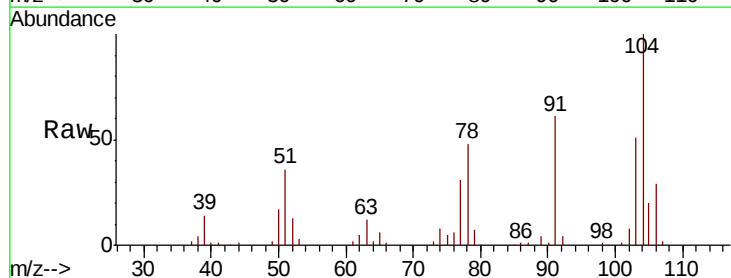


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

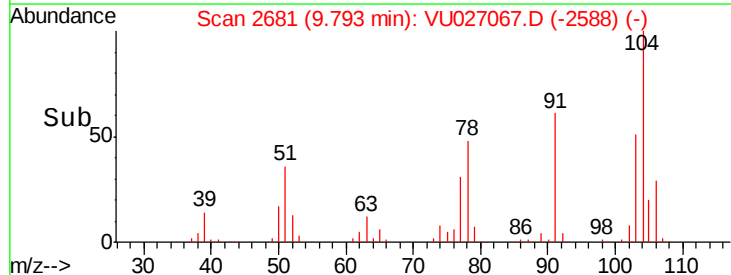
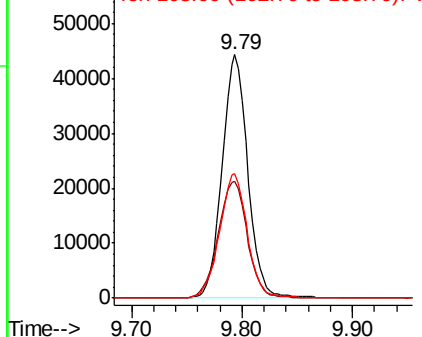


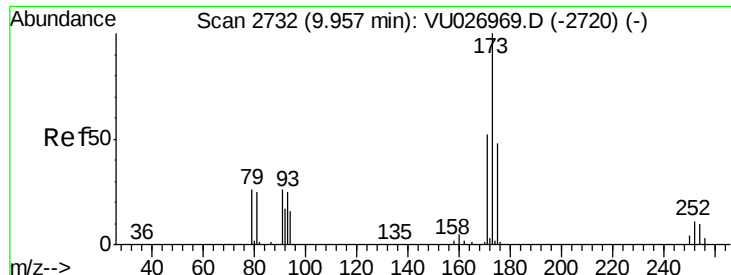
#70
Styrene
Concen: 19.052 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027067.D
Acq: 23 Sep 2018 13:23

Tgt Ion:104 Resp: 71630
Ion Ratio Lower Upper
104 100
78 54.1 43.0 64.4
103 55.1 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





#71

Bromoform

Concen: 19.396 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU027067.D

Acq: 23 Sep 2018 13:23

Instrument :

MSVOA_U

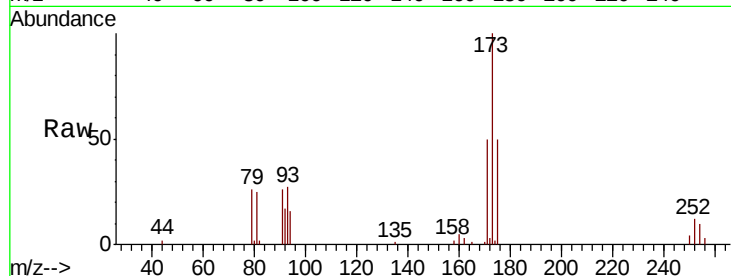
ClientSampleId :

VU0923WBS02

Tot Ion:	173	Resp:	19015
Ion Ratio	Lower	Upper	
173	100		
175	49.9	23.9	71.8
254	0.0	0.0	0.0

Manual Integrations
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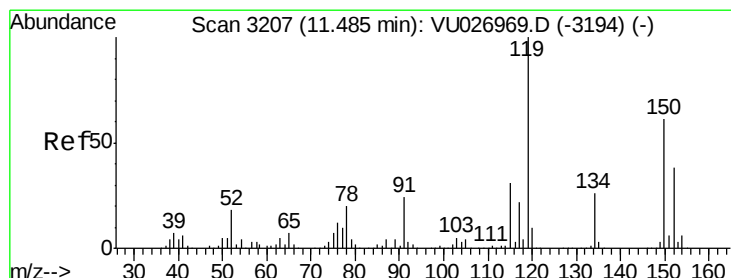
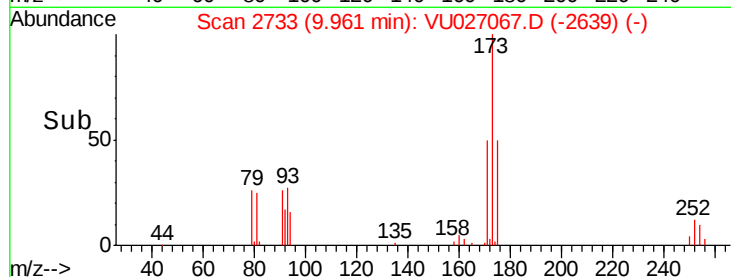
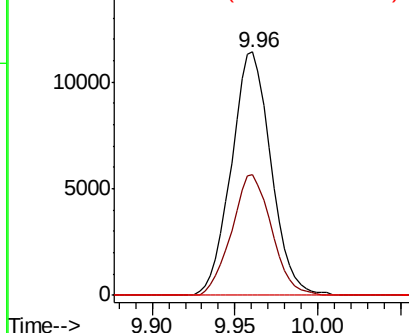


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

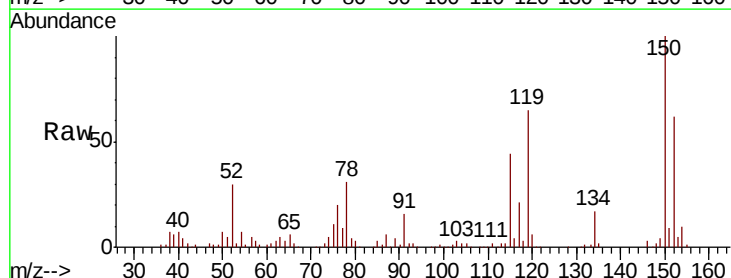
RT: 11.48 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU027067.D

Acq: 23 Sep 2018 13:23

Tgt Ion:	152	Resp:	71646
Ion Ratio	Lower	Upper	
152	100		
115	73.3	44.9	134.5
150	165.8	0.0	355.8

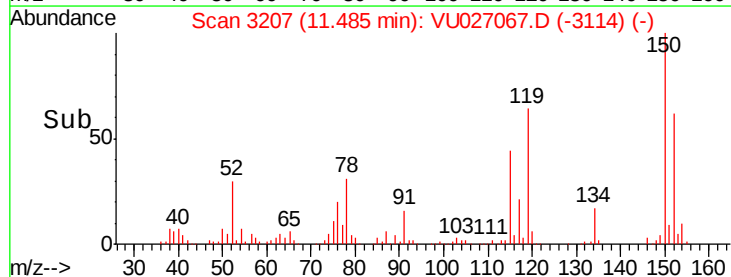
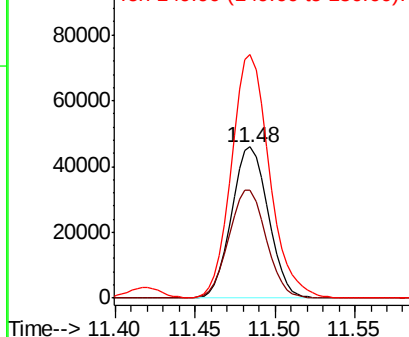


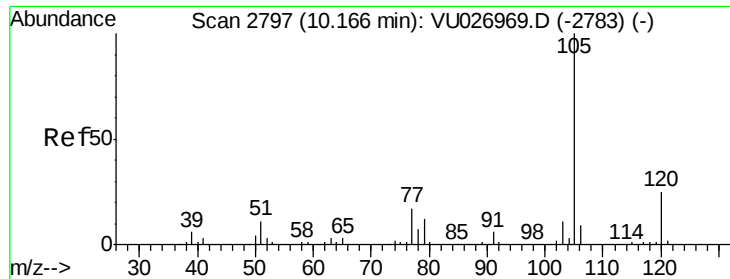
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.745 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU027067.D

Acq: 23 Sep 2018 13:23

Instrument :

MSVOA_U

ClientSampleId :

VU0923WBS02

Tot Ion: 105 Resp: 118509

Ion Ratio Lower Upper

105 100

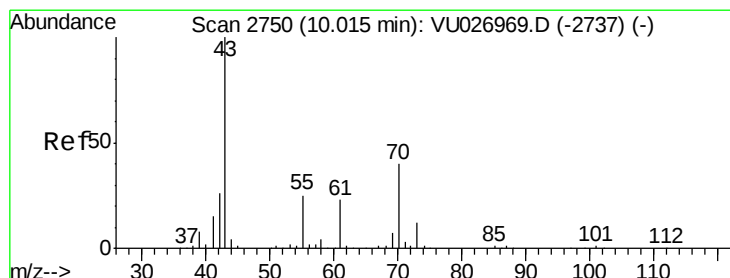
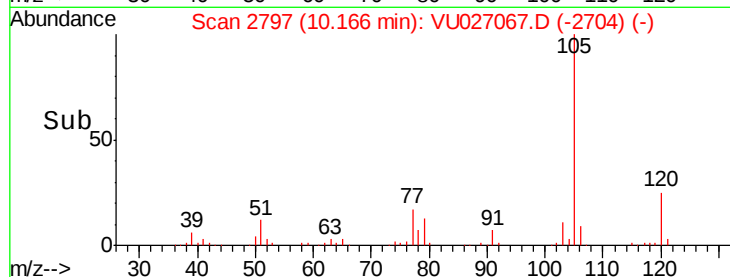
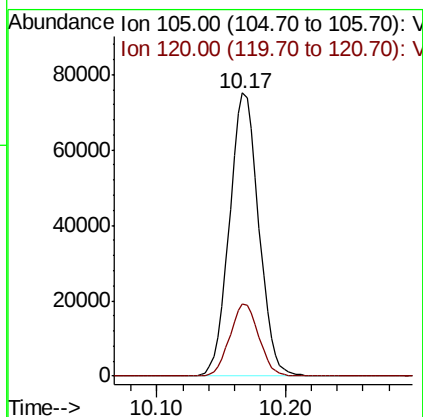
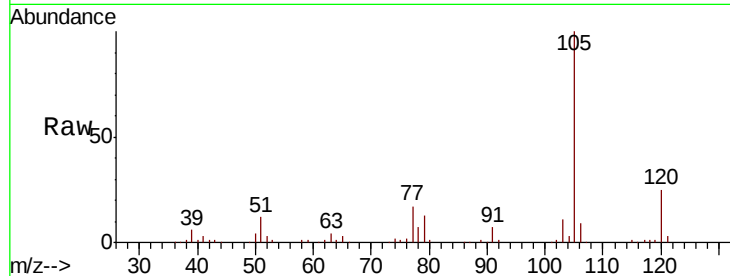
120 25.1 12.8 38.4

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#74

N-ethyl acetate

Concen: 21.150 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. -0.00 min

Lab File: VU027067.D

Acq: 23 Sep 2018 13:23

Tgt Ion: 43 Resp: 66721

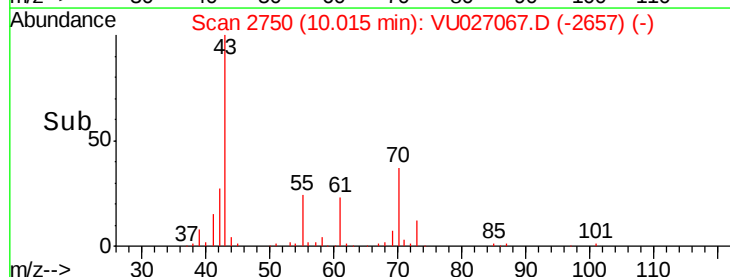
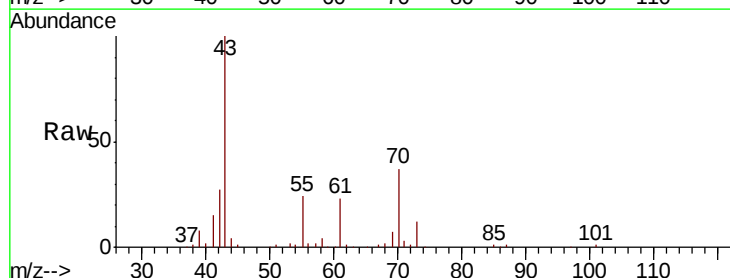
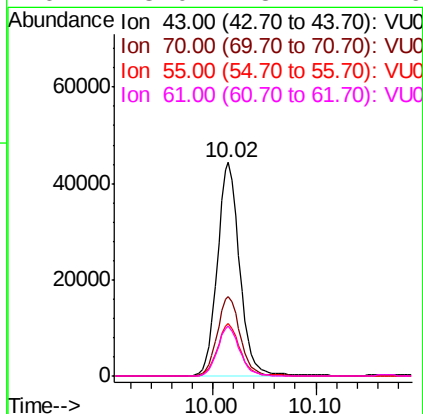
Ion Ratio Lower Upper

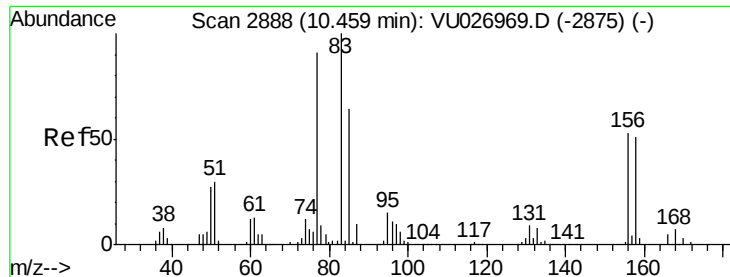
43 100

70 38.1 31.8 47.8

55 24.5 19.9 29.9

61 23.0 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.520 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VU027067.D

Acq: 23 Sep 2018 13:23

Instrument :

MSVOA_U

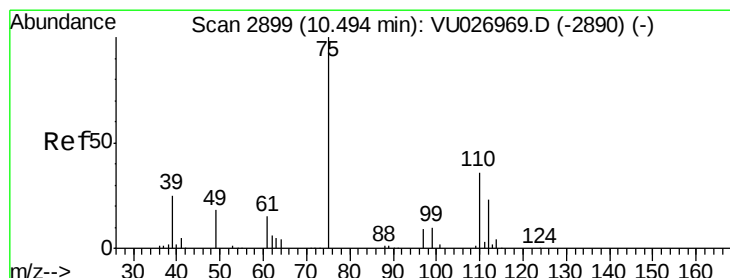
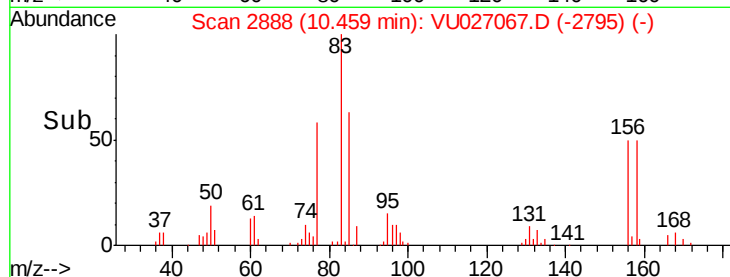
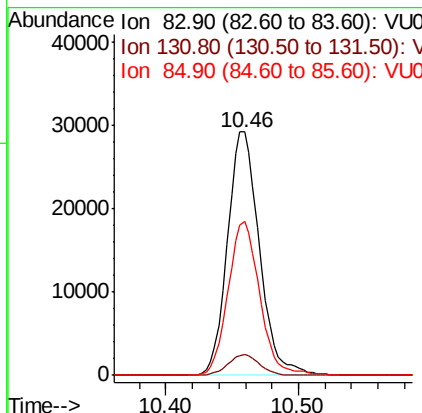
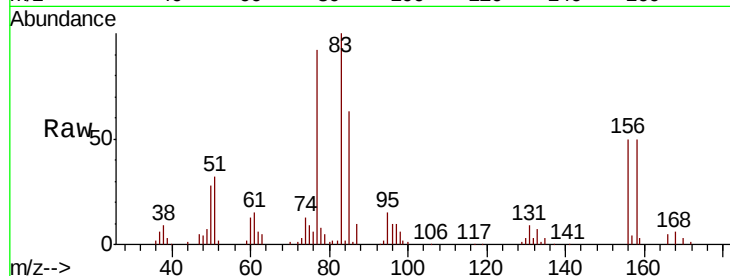
ClientSampleId :

VU0923WBS02

Tot Ion:	83	Resp:	48912
Ion Ratio	Lower	Upper	
83	100		
131	8.3	4.3	12.8
85	62.6	31.9	95.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.831 ug/l m

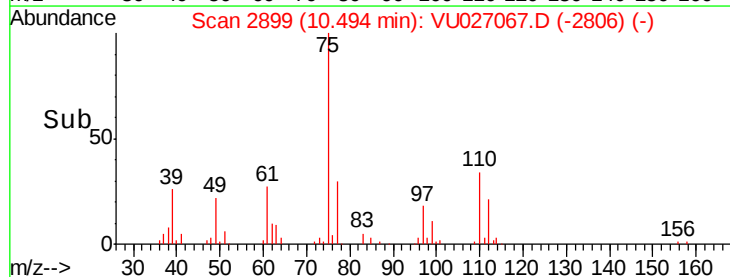
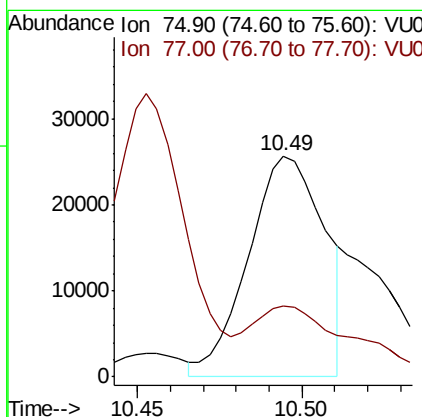
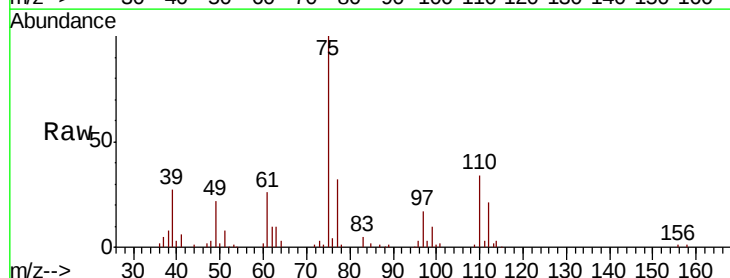
RT: 10.49 min Scan# 2899

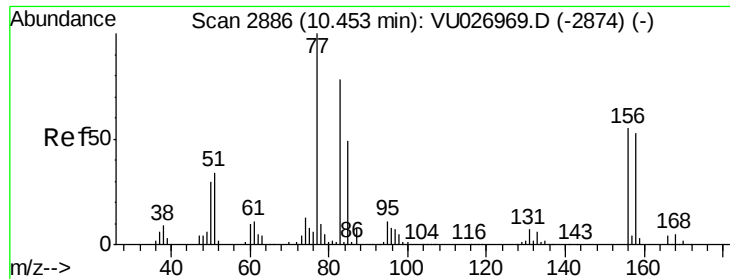
Delta R.T. -0.00 min

Lab File: VU027067.D

Acq: 23 Sep 2018 13:23

Tgt Ion:	75	Resp:	40987
Ion Ratio	Lower	Upper	
75	100		
77	44.6	20.9	62.8





#77

Bromobenzene

Concen: 19.903 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU027067.D

Acq: 23 Sep 2018 13:23

Instrument :

MSVOA_U

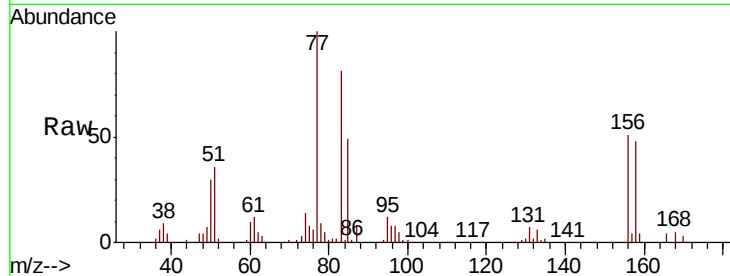
ClientSampleId :

VU0923WBS02

Tot Ion:	156	Resp:	26507
Ion Ratio	Lower	Upper	
156	100		
77	196.5	92.3	276.9
158	98.8	48.1	144.3

Manual Integrations
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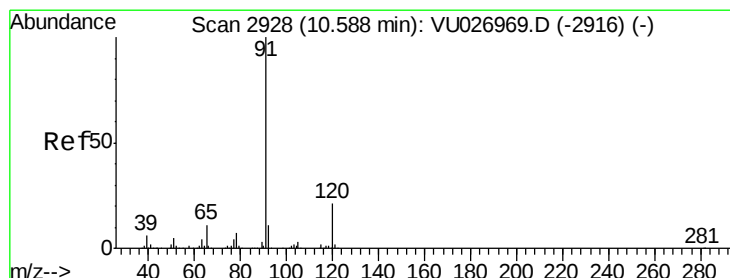
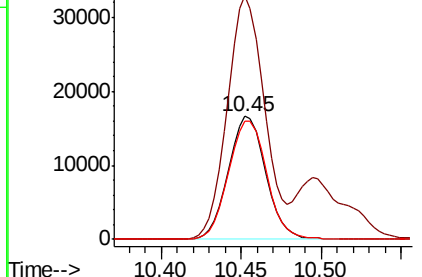
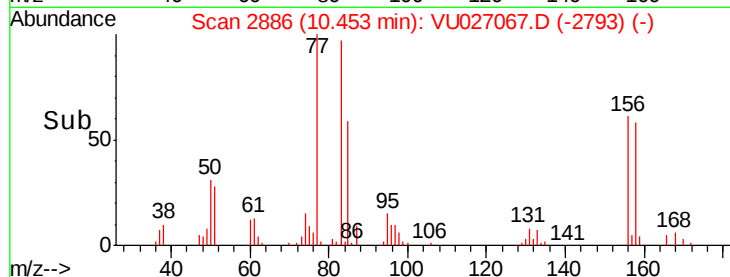
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.788 ug/l

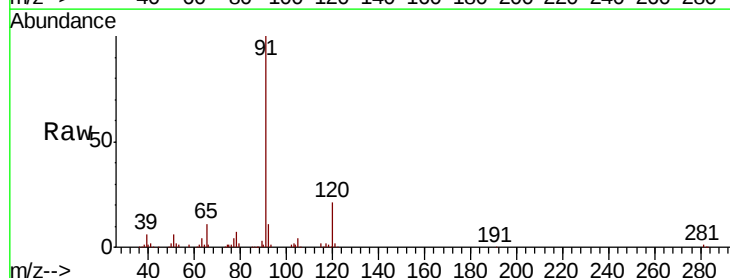
RT: 10.59 min Scan# 2928

Delta R.T. -0.00 min

Lab File: VU027067.D

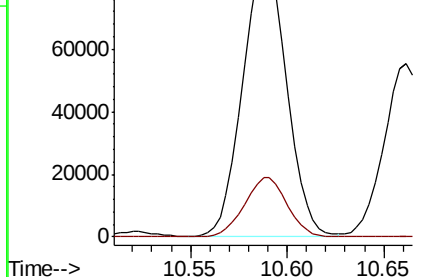
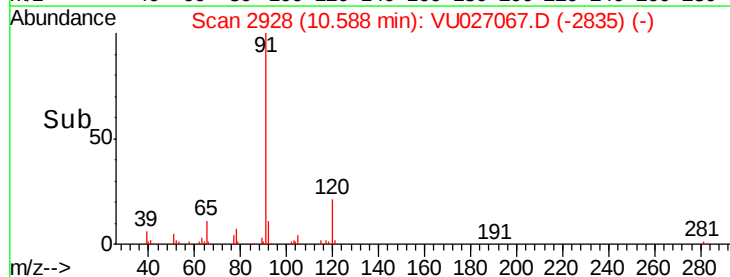
Acq: 23 Sep 2018 13:23

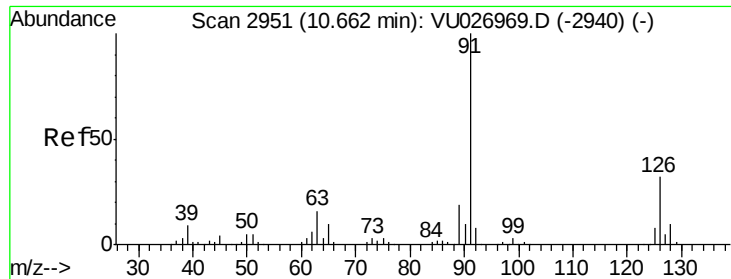
Tgt Ion:	91	Resp:	140503
Ion Ratio	Lower	Upper	
91	100		
120	20.7	10.6	31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





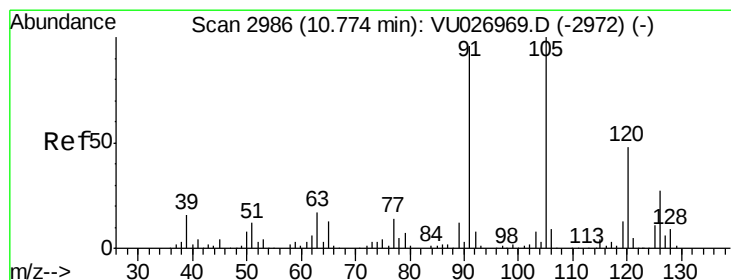
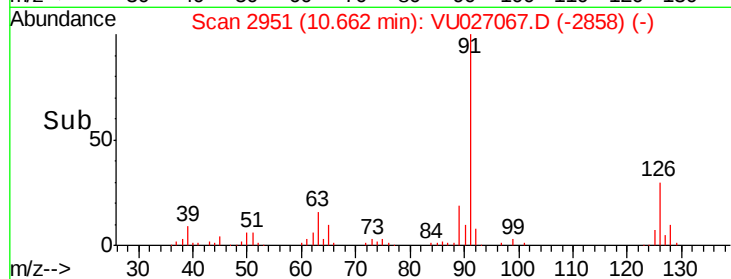
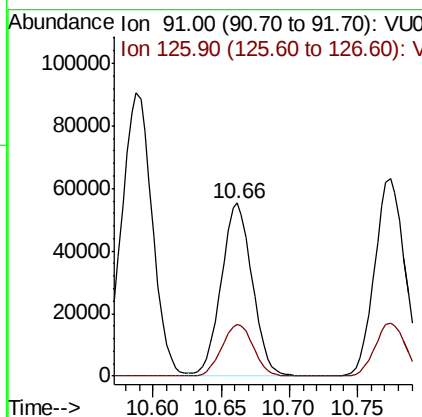
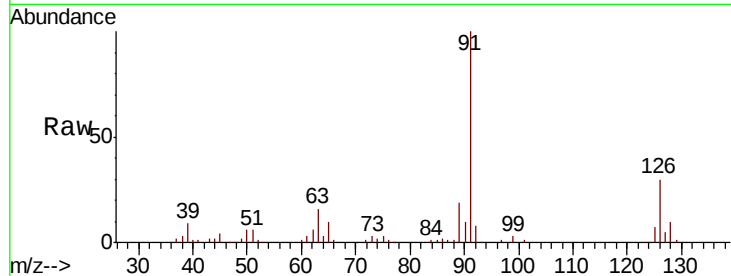
#79
 2-Chlorotoluene
 Concen: 21.587 ug/l
 RT: 10.66 min Scan# 2951
 Delta R.T. -0.00 min
 Lab File: VU027067.D
 Acq: 23 Sep 2018 13:23

Instrument :
 MSVOA_U
 ClientSampled :
 VU0923WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
126	30.3	15.8	47.3

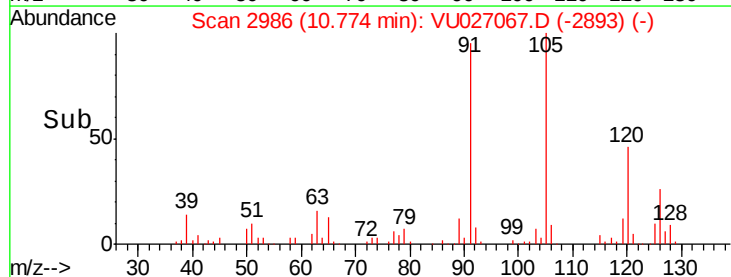
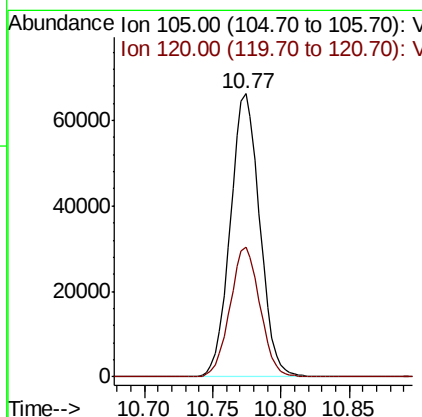
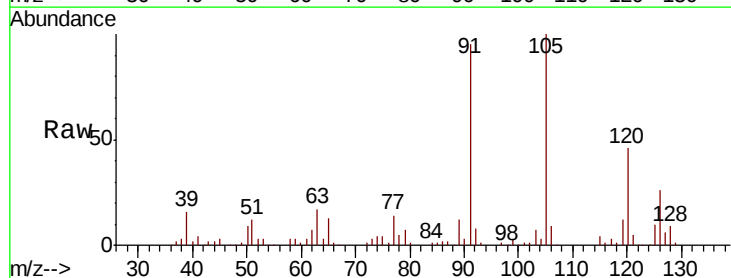
Manual Integrations
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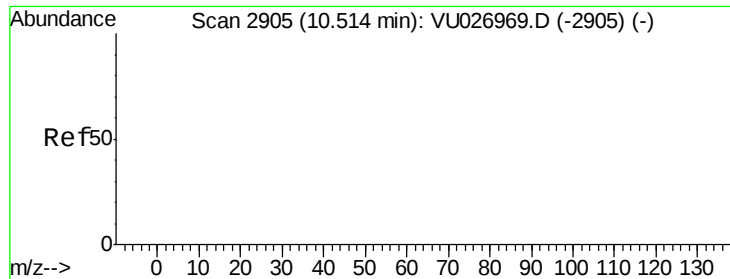
MMDadoda
 9/24/2018 4:40:37 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 22.070 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. -0.00 min
 Lab File: VU027067.D
 Acq: 23 Sep 2018 13:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.9	71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 20.222 ug/l m

RT: 10.51 min Scan# 2905

Delta R.T. -0.00 min

Lab File: VU027067.D

Acq: 23 Sep 2018 13:23

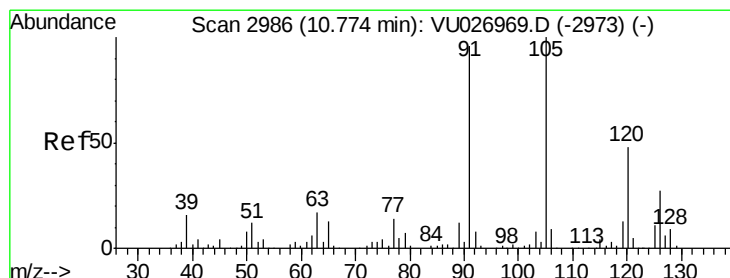
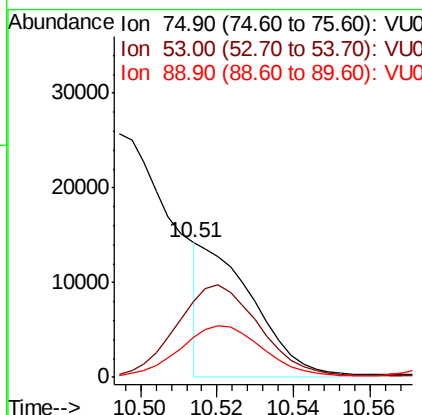
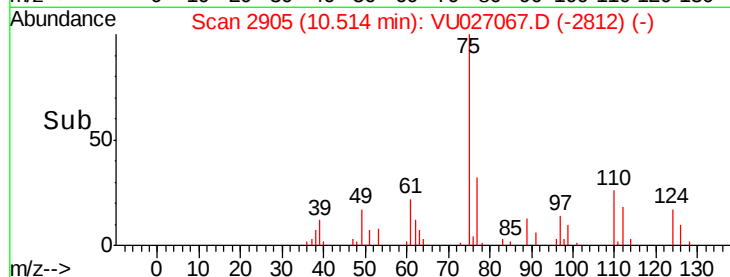
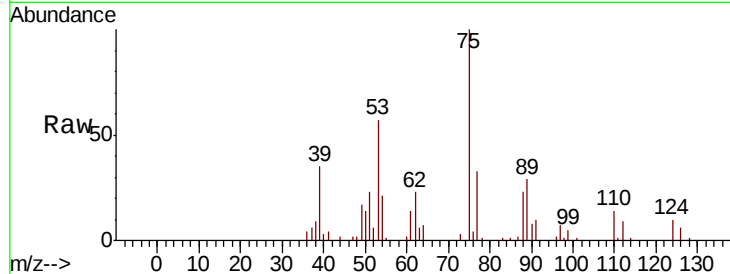
Instrument :
MSVOA_U

ClientSampleId :
VU0923WBS02

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

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.549 ug/l

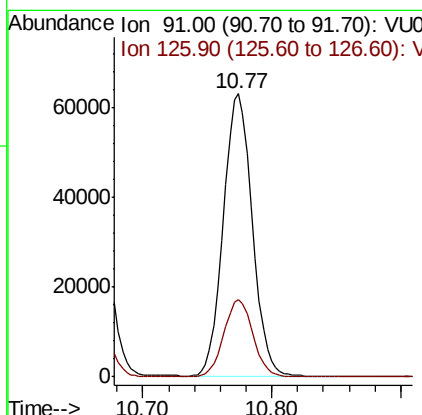
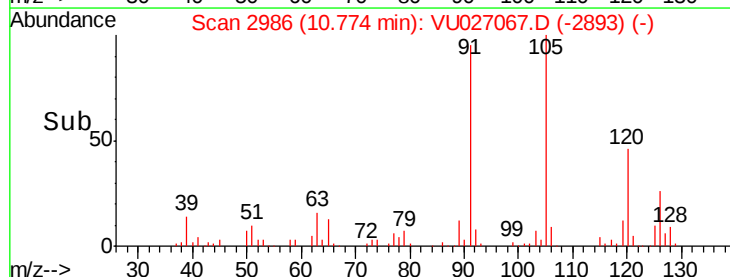
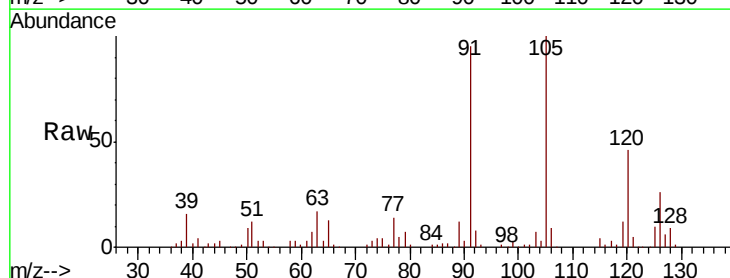
RT: 10.77 min Scan# 2986

Delta R.T. -0.00 min

Lab File: VU027067.D

Acq: 23 Sep 2018 13:23

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.5	14.1	42.2





#83

tert-Butylbenzene

Concen: 20.752 ug/l

RT: 11.10 min Scan# 3088

Delta R.T. -0.00 min

Lab File: VU027067.D

Acq: 23 Sep 2018 13:23

Instrument :

MSVOA_U

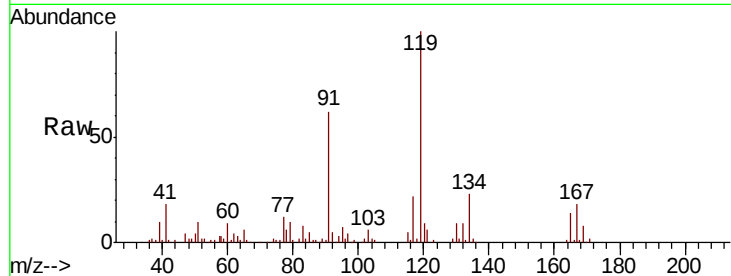
ClientSampleId :

VU0923WBS02

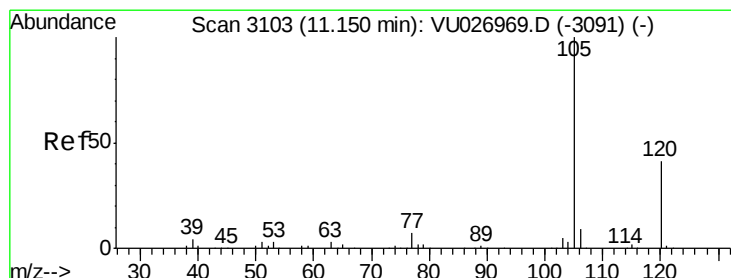
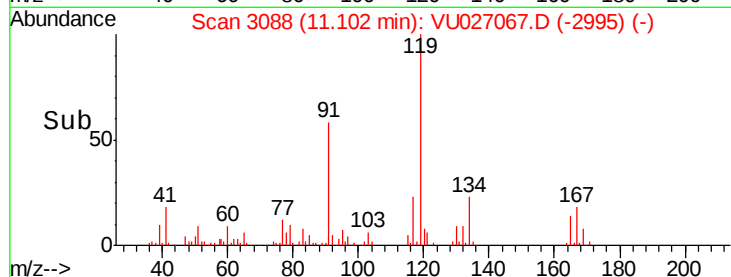
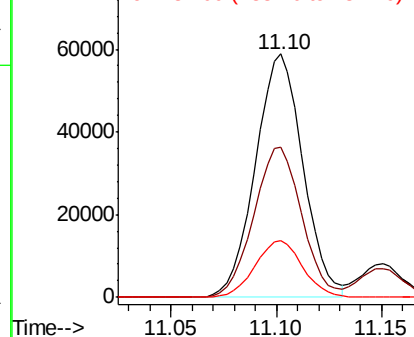
Tot Ion:	119	Resp:	92303
Ion Ratio	Lower	Upper	
119	100		
91	62.3	29.8	89.4
134	23.1	11.5	34.4

Manual Integrations
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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 22.027 ug/l

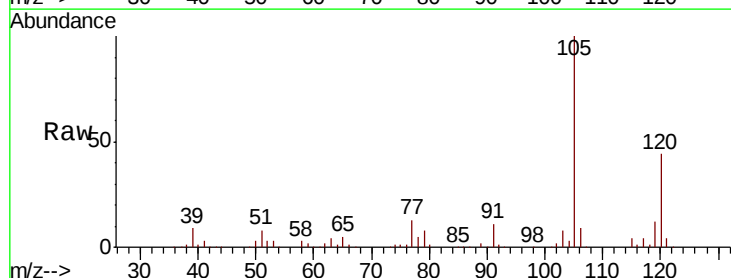
RT: 11.15 min Scan# 3103

Delta R.T. -0.00 min

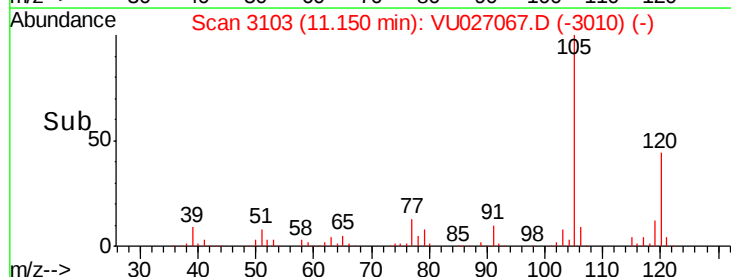
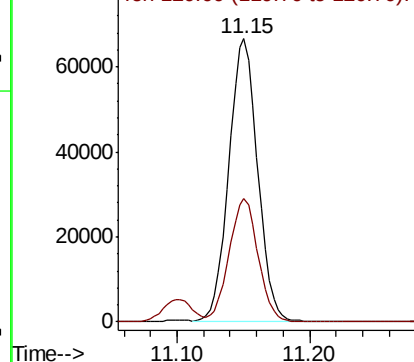
Lab File: VU027067.D

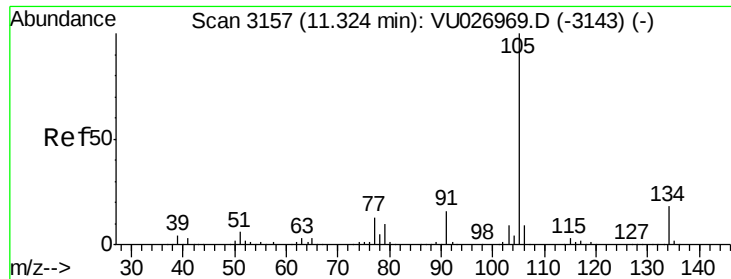
Acq: 23 Sep 2018 13:23

Tgt Ion:	105	Resp:	100851
Ion Ratio	Lower	Upper	
105	100		
120	43.7	22.4	67.2



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.545 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. -0.00 min

Lab File: VU027067.D

Acq: 23 Sep 2018 13:23

Instrument :

MSVOA_U

ClientSampleId :

VU0923WBS02

Tot Ion:105 Resp: 116978

Ion Ratio Lower Upper

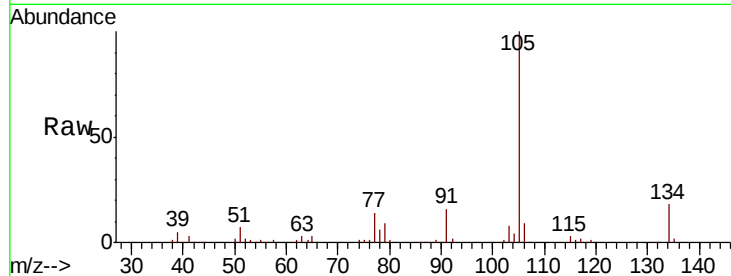
105 100

134 18.5 9.4 28.2

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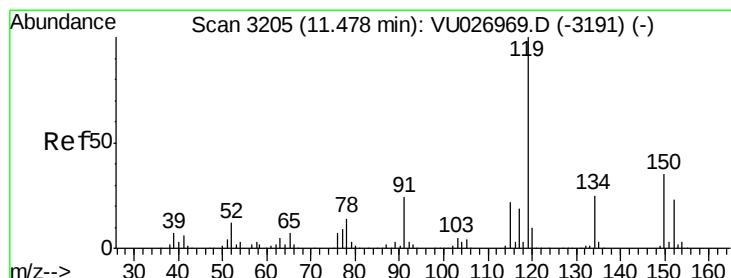
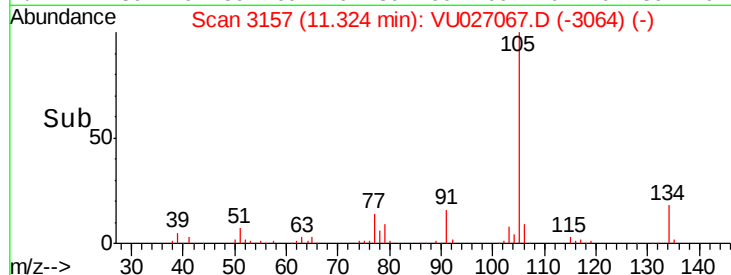
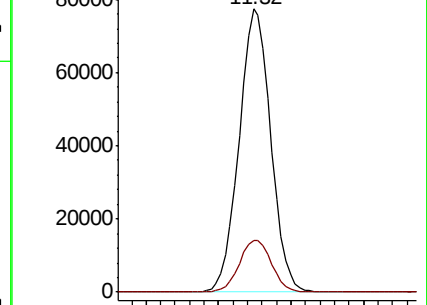
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.694 ug/l

RT: 11.48 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VU027067.D

Acq: 23 Sep 2018 13:23

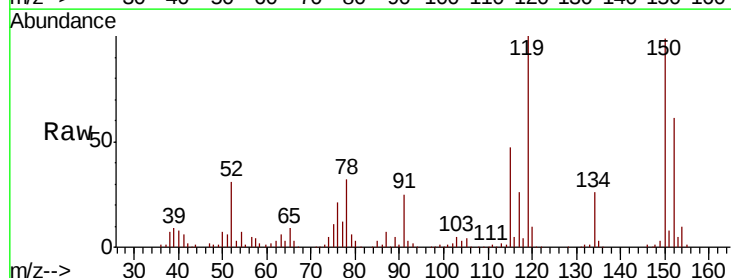
Tgt Ion:119 Resp: 97417

Ion Ratio Lower Upper

119 100

134 26.0 12.8 38.3

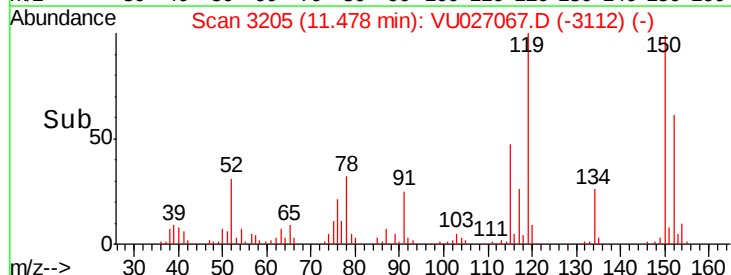
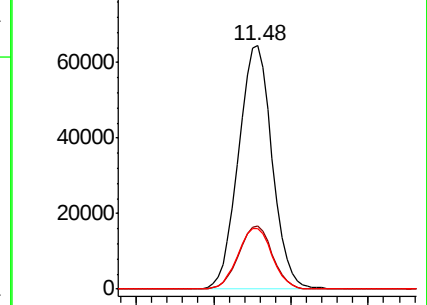
91 25.5 12.3 36.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU





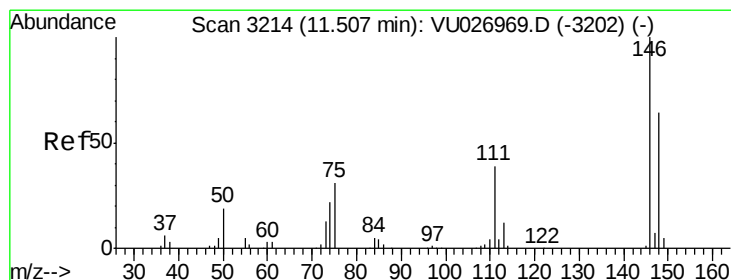
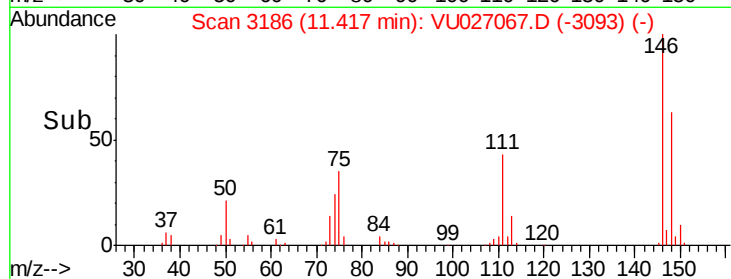
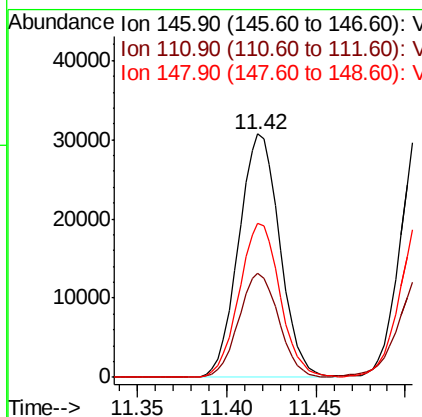
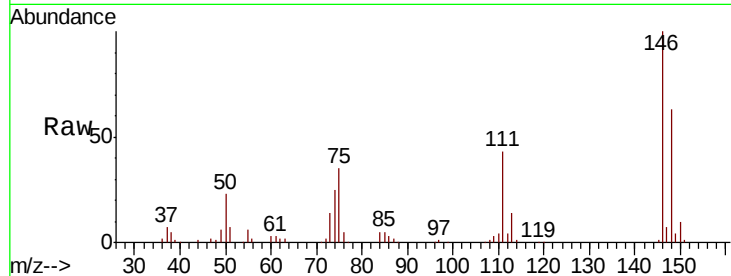
#87
 1,3-Dichlorobenzene
 Concen: 19.869 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. -0.00 min
 Lab File: VU027067.D
 Acq: 23 Sep 2018 13:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0923WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.8	62.2
148	62.9	32.0	96.2

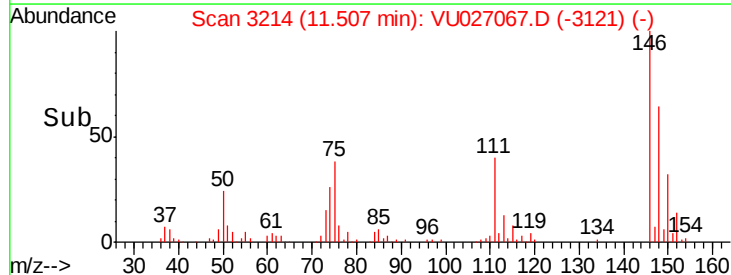
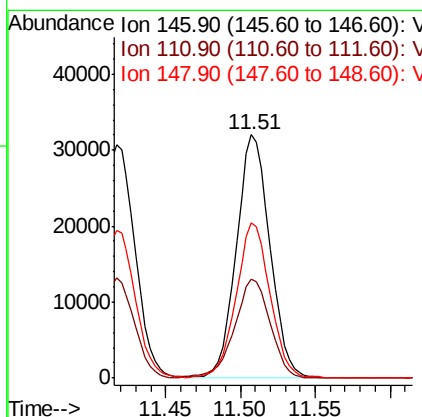
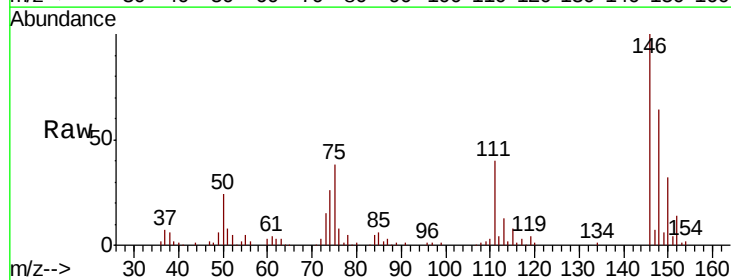
Manual Integrations
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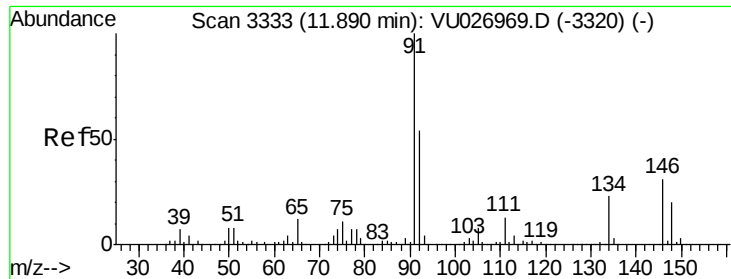
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 18.526 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU027067.D
 Acq: 23 Sep 2018 13:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.2	20.3	60.9
148	64.4	31.9	95.9





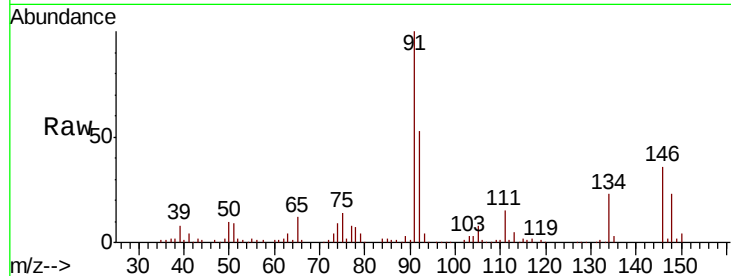
#89
n-Butylbenzene
Concen: 19.100 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027067.D
Acq: 23 Sep 2018 13:23

Instrument :
MSVOA_U
ClientSampleId :
VU0923WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	27.1	81.2
134	22.7	11.7	35.0

Manual Integrations
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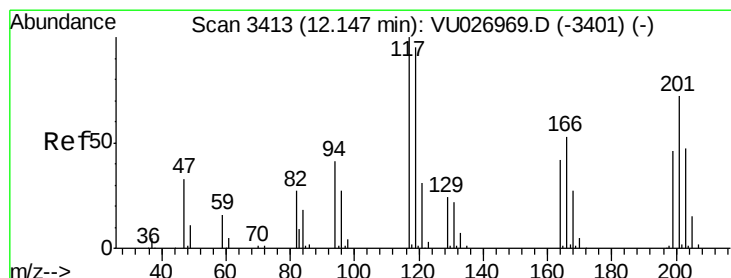
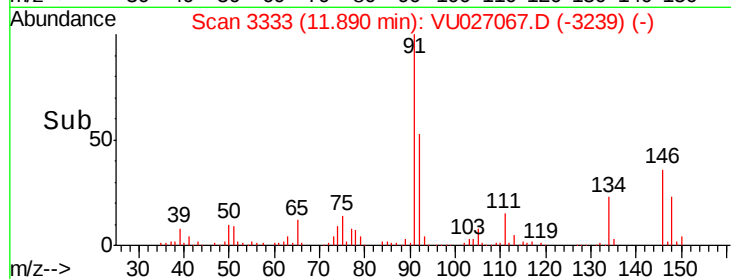
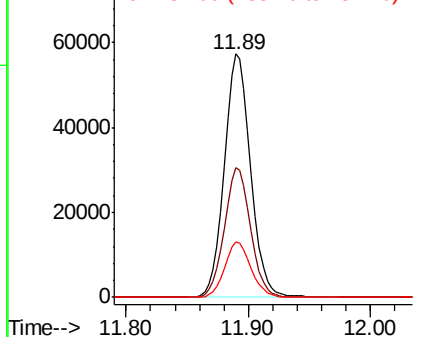


Abundance

Ion 91.00 (90.70 to 91.70): VU026969.D (-3320) (-)

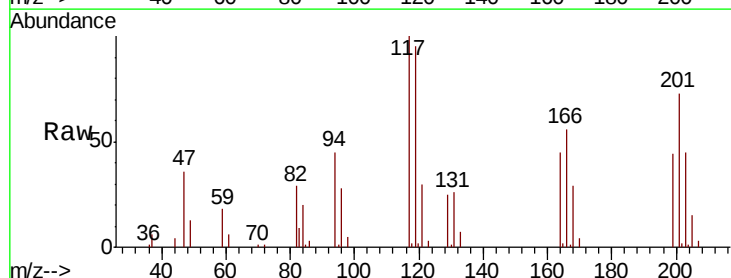
Ion 92.00 (91.70 to 92.70): VU026969.D (-3320) (-)

Ion 134.00 (133.70 to 134.70): VU026969.D (-3320) (-)



#90
Hexachloroethane
Concen: 19.478 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VU027067.D
Acq: 23 Sep 2018 13:23

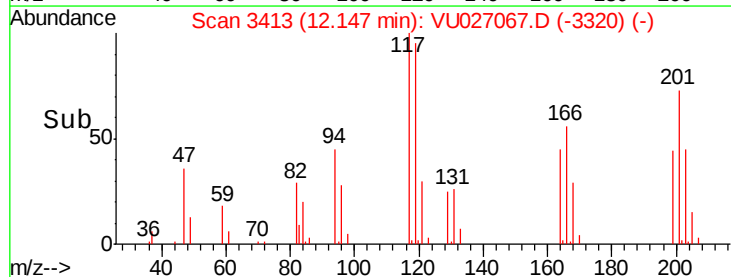
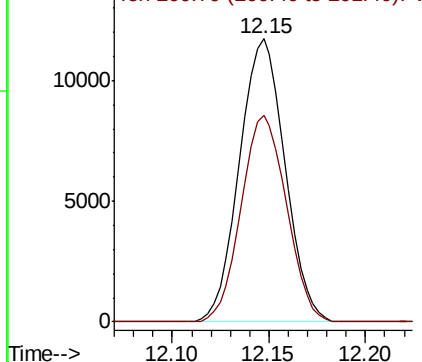
Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.5	36.8	110.3



Abundance

Ion 116.80 (116.50 to 117.50): VU026969.D (-3401) (-)

Ion 200.70 (200.40 to 201.40): VU026969.D (-3401) (-)





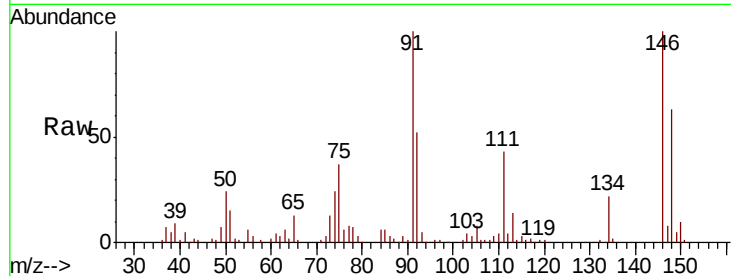
#91
 1,2-Dichlorobenzene
 Concen: 18.955 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU027067.D
 Acq: 23 Sep 2018 13:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0923WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.8	65.3
148	63.0	31.9	95.7

Manual Integrations
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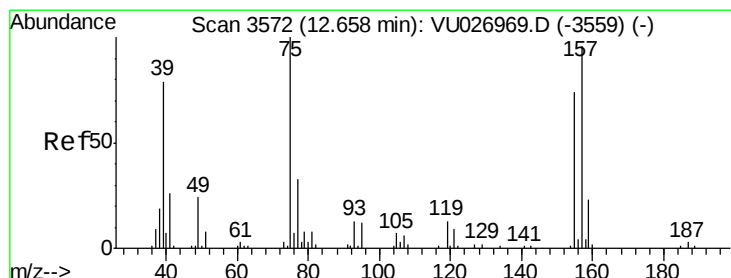
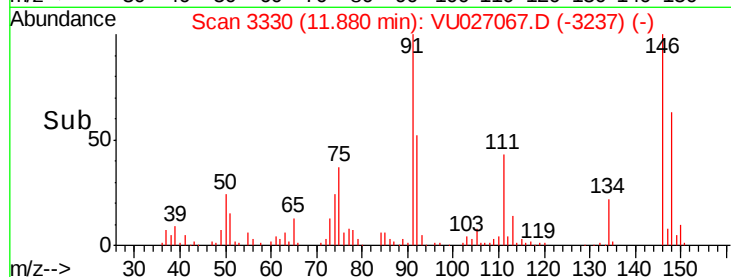
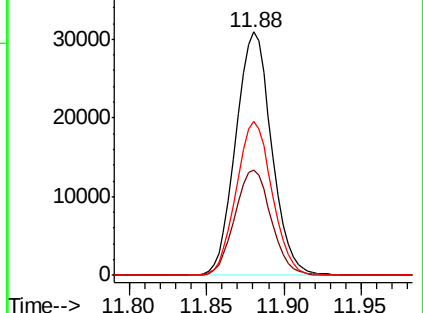


Abundance

Ion 145.90 (145.60 to 146.60): V

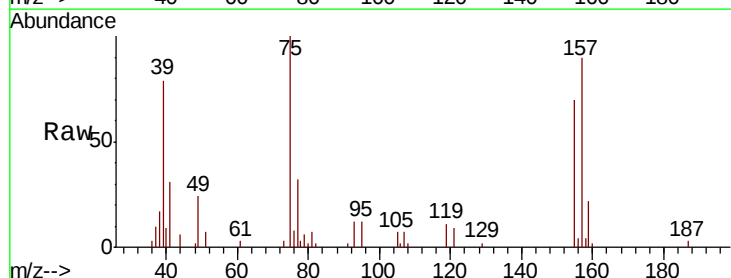
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.417 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VU027067.D
 Acq: 23 Sep 2018 13:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.7	36.6	109.8
157	91.7	47.4	142.2

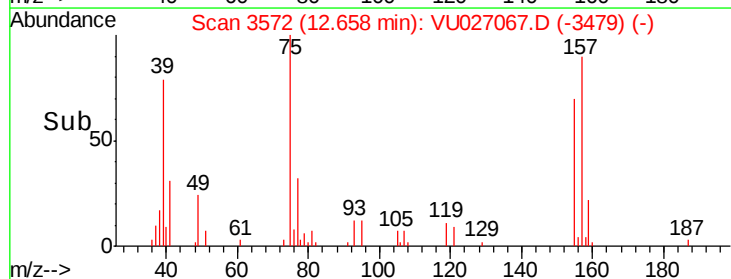
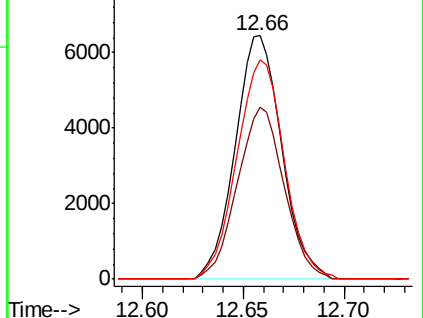


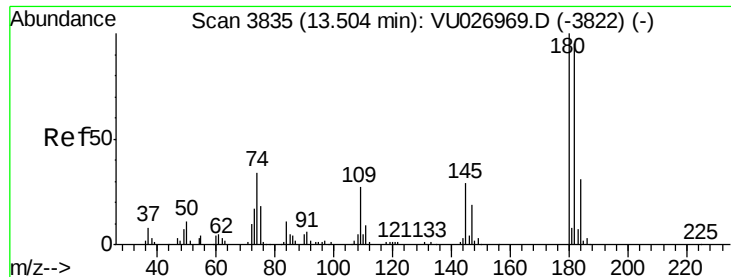
Abundance

Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





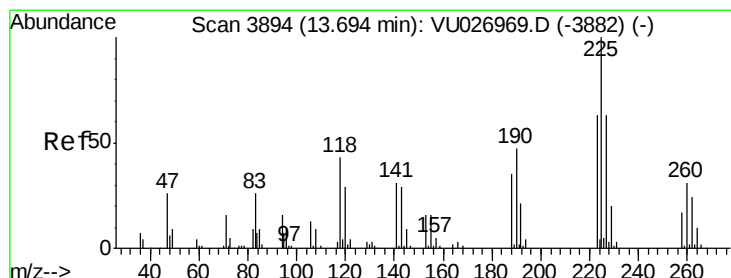
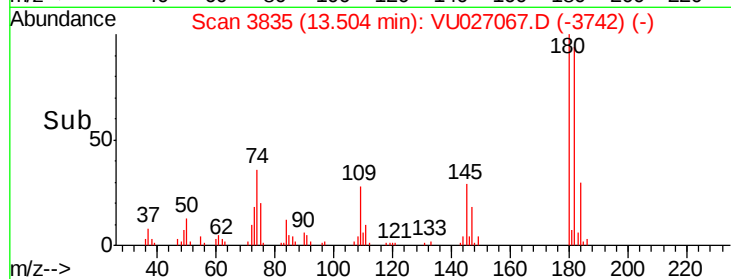
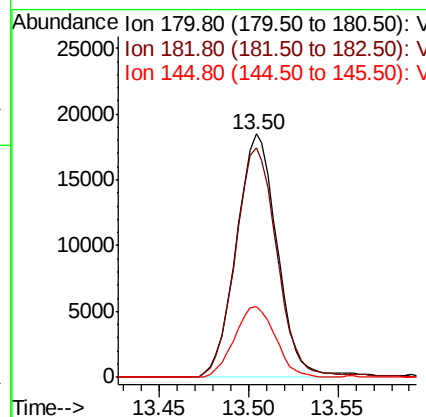
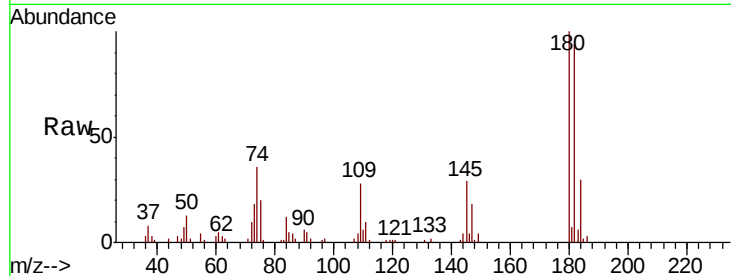
#93
 1,2,4-Trichlorobenzene
 Concen: 19.363 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. -0.00 min
 Lab File: VU027067.D
 Acq: 23 Sep 2018 13:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0923WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	29376		
182	96.6	47.4	142.2	
145	29.1	14.9	44.5	

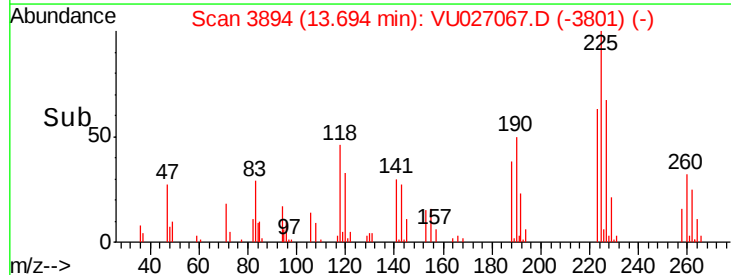
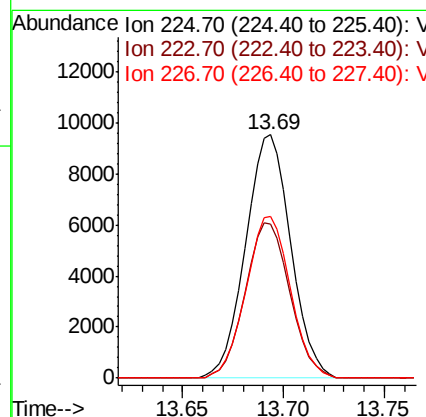
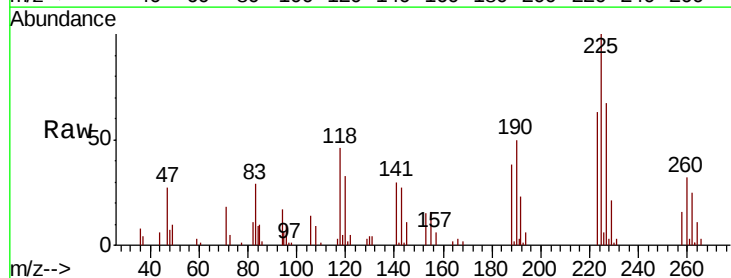
Manual Integrations
 APPROVED

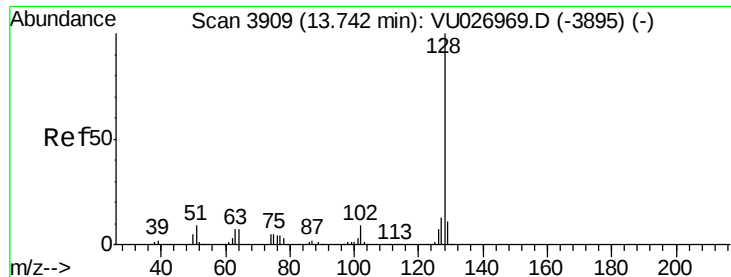
MMDadoda
 9/24/2018 4:40:37 PM



#94
 Hexachlorobutadiene
 Concen: 18.630 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. -0.00 min
 Lab File: VU027067.D
 Acq: 23 Sep 2018 13:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	14955		
223	63.4	31.9	95.7	
227	65.3	32.1	96.5	





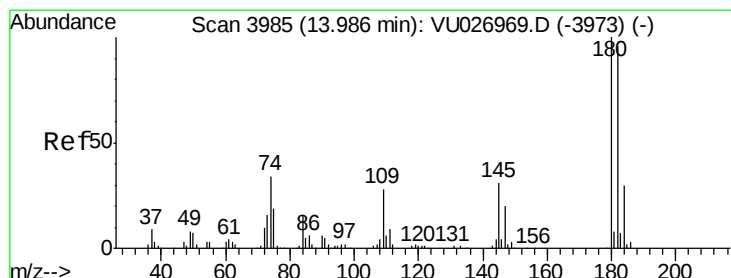
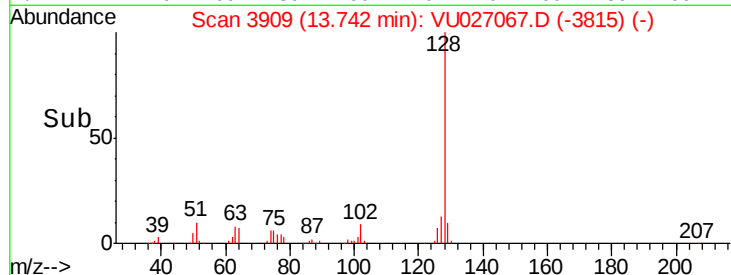
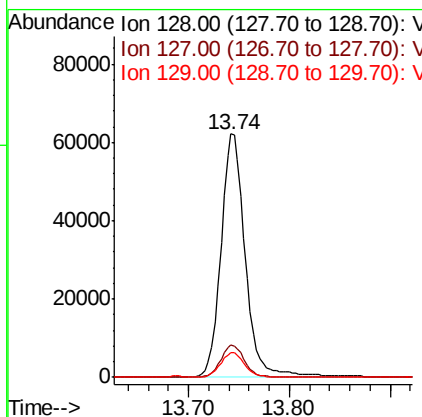
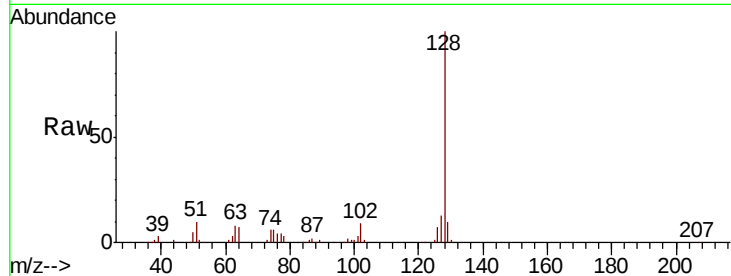
#95
Naphthalene
Concen: 18.740 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU027067.D
Acq: 23 Sep 2018 13:23

Instrument :
MSVOA_U
ClientSampleId :
VU0923WBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	15.8
129	10.1	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/24/2018 4:40:37 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.568 ug/l
RT: 13.99 min Scan# 3986
Delta R.T. 0.00 min
Lab File: VU027067.D
Acq: 23 Sep 2018 13:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.5	142.5
145	31.1	15.4	46.4

