

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U070918\
 Data File : VU025279.D
 Acq On : 09 Jul 2018 17:52
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICVVU070918

Manual Integrations
 APPROVED

MMDadoda
 7/10/2018 2:33:51 PM

Quant Time: Jul 10 10:40:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U070918W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 10 09:34:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	192768	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	287861	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	271709	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	161352	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	131795	44.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.02%	
35) Dibromofluoromethane	4.89	113	108369	44.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.26%	
50) Toluene-d8	7.57	98	363245	43.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.36%	
62) 4-Bromofluorobenzene	10.31	95	148638	44.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	89065	44.64	ug/l	97
3) Chloromethane	1.33	50	93441	47.04	ug/l	99
4) Vinyl Chloride	1.40	62	99609	45.44	ug/l	100
5) Bromomethane	1.61	94	65487	59.53	ug/l	99
6) Chloroethane	1.69	64	64642	46.39	ug/l	100
7) Trichlorofluoromethane	1.88	101	153881	44.66	ug/l	100
8) Diethyl Ether	2.10	74	59163	45.76	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.29	101	95771	44.86	ug/l	99
10) Methyl Iodide	2.41	142	99137	42.80	ug/l	99
11) Tert butyl alcohol	2.82	59	151439	231.79	ug/l	99
12) 1,1-Dichloroethene	2.28	96	89075	45.59	ug/l	97
13) Acrolein	2.19	56	106321	245.99	ug/l	100
14) Allyl chloride	2.59	41	152769	43.11	ug/l	99
15) Acrylonitrile	2.93	53	302546	225.24	ug/l	99
16) Acetone	2.32	43	349573	229.16	ug/l	98
17) Carbon Disulfide	2.48	76	252891	44.51	ug/l	99
18) Methyl Acetate	2.62	43	140746	45.90	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	347068	46.70	ug/l	99
20) Methylene Chloride	2.70	84	105371	45.54	ug/l	98
21) trans-1,2-Dichloroethene	2.99	96	97098	43.48	ug/l	97
22) Diisopropyl ether	3.57	45	330166	45.62	ug/l	98
23) Vinyl Acetate	3.53	43	1482574	233.53	ug/l	100
24) 1,1-Dichloroethane	3.45	63	188790	46.25	ug/l	99
25) 2-Butanone	4.26	43	467045	224.99	ug/l	100
26) 2,2-Dichloropropane	4.23	77	175971	44.84	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	114336	44.25	ug/l	99
28) Bromochloromethane	4.55	49	89688	45.51	ug/l	100
29) Tetrahydrofuran	4.64	42	278757	223.88	ug/l	99
30) Chloroform	4.68	83	197545	45.70	ug/l	99
31) Cyclohexane	5.00	56	167121	44.27	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	180981	46.20	ug/l	98
36) 1,1-Dichloropropene	5.14	75	143174	44.74	ug/l	99
37) Ethyl Acetate	4.38	43	165533	46.38	ug/l	100
38) Carbon Tetrachloride	5.14	117	162439	47.16	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	175174	43.88	ug/l	98
40) Benzene	5.39	78	417059	45.22	ug/l	97
41) Methacrylonitrile	4.55	41	89980	45.47	ug/l	99
42) 1,2-Dichloroethane	5.41	62	167506	45.69	ug/l	99
43) Isopropyl Acetate	5.55	43	259516	45.41	ug/l	99
44) Trichloroethene	6.19	130	118210	44.64	ug/l	97
45) 1,2-Dichloropropane	6.44	63	109833	45.47	ug/l	99
46) Dibromomethane	6.56	93	79319	45.12	ug/l	99
47) Bromodichloromethane	6.76	83	152408	46.67	ug/l	97
48) Methyl methacrylate	6.63	41	133013	46.68	ug/l	99
49) 1,4-Dioxane	6.61	88	63834	931.08	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	837913	225.56	ug/l	100
52) Toluene	7.64	92	271533	46.28	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	165344	46.08	ug/l	96
54) cis-1,3-Dichloropropene	7.27	75	176892	46.32	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	111383	45.58	ug/l	99
56) Ethyl methacrylate	8.02	69	173957	45.58	ug/l	99
57) 1,3-Dichloropropane	8.25	76	185049	45.62	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	336275	196.05	ug/l	100
59) 2-Hexanone	8.36	43	673650	223.57	ug/l	99
60) Dibromochloromethane	8.48	129	125816	47.67	ug/l	99
61) 1,2-Dibromoethane	8.59	107	120489	46.08	ug/l	100
64) Tetrachloroethene	8.23	164	111229	44.91	ug/l	100
65) Chlorobenzene	9.12	112	306833	45.21	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	113744	46.85	ug/l	98
67) Ethyl Benzene	9.25	91	525107	45.38	ug/l	100
68) m/p-Xylenes	9.38	106	410518	91.76	ug/l	99
69) o-Xylene	9.78	106	204967	45.76	ug/l	98
70) Styrene	9.80	104	332484	46.73	ug/l	99
71) Bromoform	9.96	173	99117	42.94	ug/l #	100
73) Isopropylbenzene	10.17	105	548175	44.47	ug/l	99
74) N-amyl acetate	10.01	43	233567	46.38	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	181077	44.90	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	157537m	47.33	ug/l	
77) Bromobenzene	10.45	156	142324	45.13	ug/l	99
78) n-propylbenzene	10.59	91	619788	45.31	ug/l	100
79) 2-Chlorotoluene	10.66	91	370478	47.17	ug/l	100
80) 1,3,5-Trimethylbenzene	10.78	105	468072	45.12	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	58379m	45.41	ug/l	
82) 4-Chlorotoluene	10.78	91	425013	43.88	ug/l	100
83) tert-Butylbenzene	11.10	119	466783	44.53	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	474700	44.65	ug/l	99
85) sec-Butylbenzene	11.33	105	558703	45.27	ug/l	100
86) p-Isopropyltoluene	11.48	119	498188	45.58	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	251924	43.71	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	255406	45.50	ug/l	100
89) n-Butylbenzene	11.89	91	397334	44.23	ug/l	99
90) Hexachloroethane	12.15	117	84898	45.88	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	258596	44.42	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	44798	45.79	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	161608	42.02	ug/l	99
94) Hexachlorobutadiene	13.70	225	89066	42.78	ug/l	97
95) Naphthalene	13.74	128	533521	45.27	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	168812	43.03	ug/l	99

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

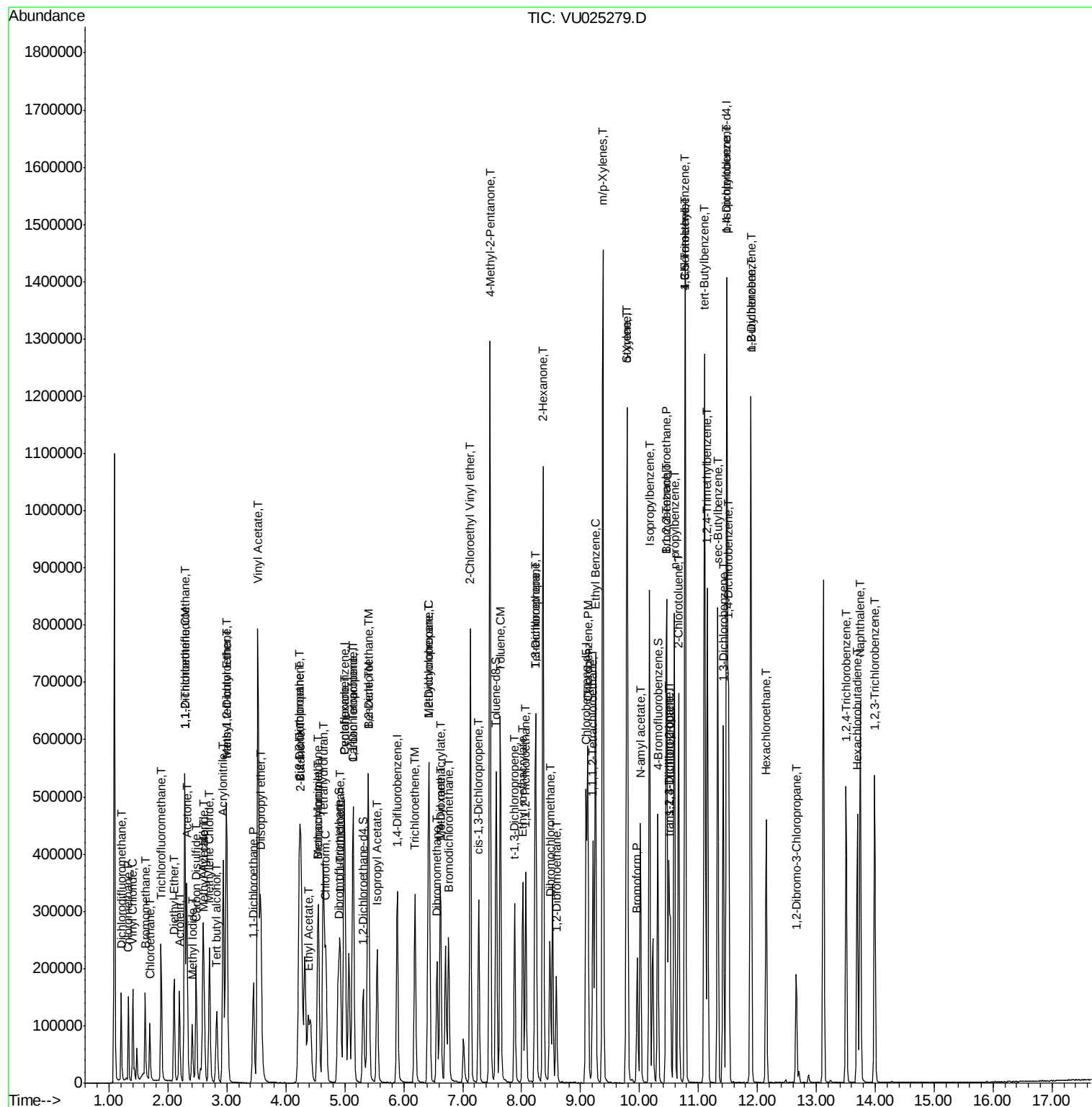
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU070918\
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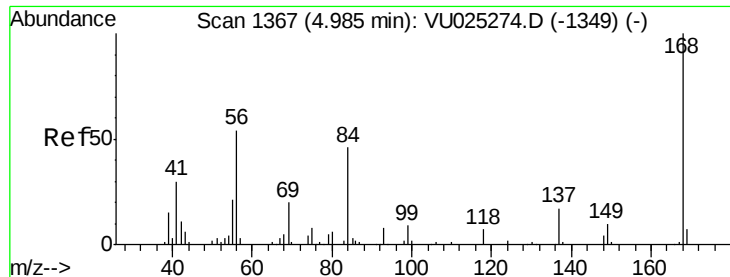
Instrument :
MSVOA_U
ClientSampled :
VICVVU070918

Manual Integrations
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Quant Title : SW846 8260
QLast Update : Tue Jul 10 09:34:16 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VU025279.D

Acq: 09 Jul 2018 17:52

Instrument :

MSVOA_U

ClientSampleId :

VICVVU070918

Tot Ion:168 Resp: 192768

Ion Ratio Lower Upper

168 100

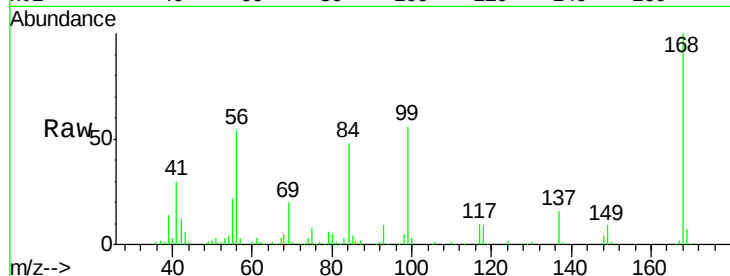
99 55.3 42.8 64.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU025274.D (-1349) (-)

Ion 98.90 (98.60 to 99.60): VU025279.D (-1274) (-)

4.99

80000

60000

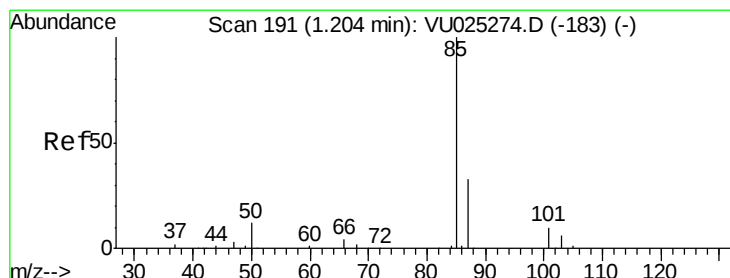
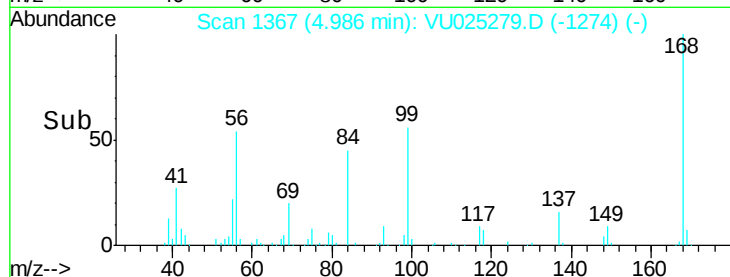
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 44.64 ug/l

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU025279.D

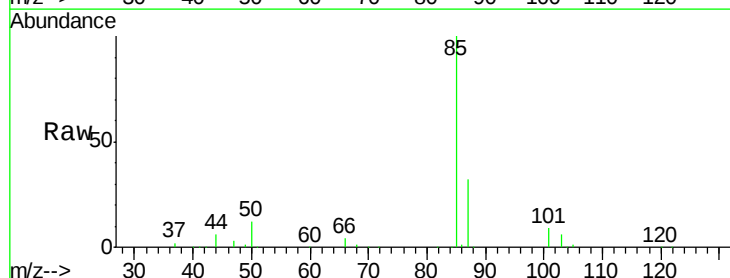
Acq: 09 Jul 2018 17:52

Tgt Ion: 85 Resp: 89065

Ion Ratio Lower Upper

85 100

87 31.5 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU025274.D (-183) (-)

Ion 86.90 (86.60 to 87.60): VU025279.D (-98) (-)

1.20

80000

60000

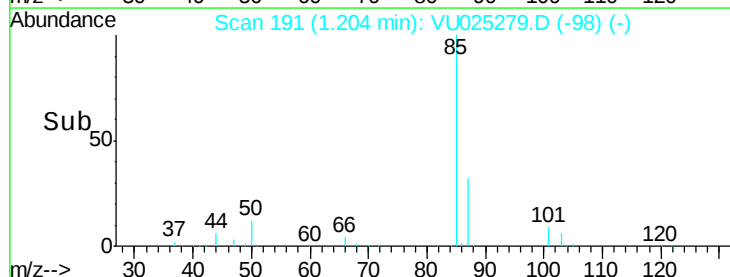
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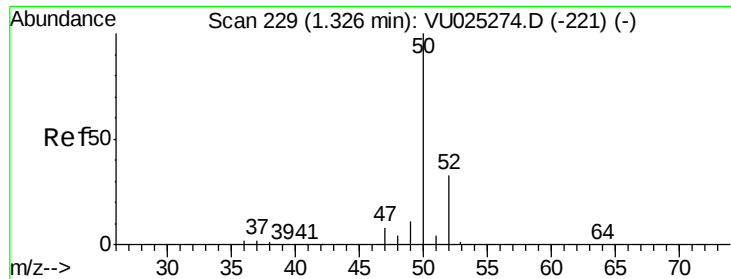
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 47.04 ug/l

RT: 1.33 min Scan# 229

Delta R.T. 0.00 min

Lab File: VU025279.D

Acq: 09 Jul 2018 17:52

Instrument :

MSVOA_U

ClientSampleId :

VICVVU070918

Tot Ion: 50 Resp: 93441

Ion Ratio Lower Upper

50 100

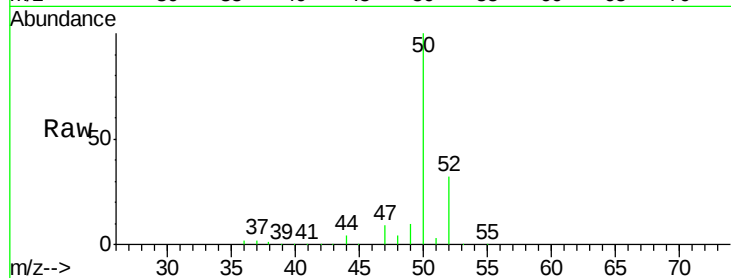
52 32.5 26.5 39.7

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0

1.33

100000

80000

60000

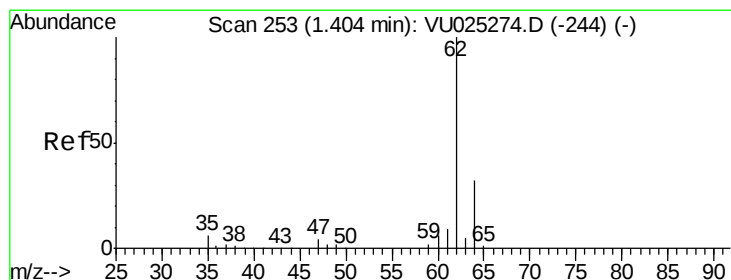
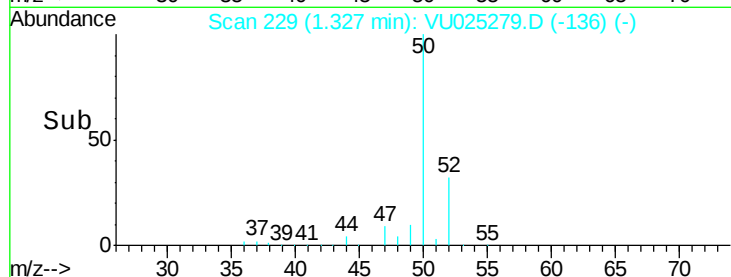
40000

20000

0

1.30 1.35 1.40

Time-->



#4

Vinyl Chloride

Concen: 45.44 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025279.D

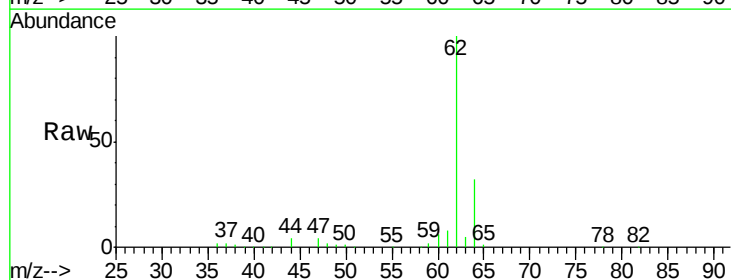
Acq: 09 Jul 2018 17:52

Tgt Ion: 62 Resp: 99609

Ion Ratio Lower Upper

62 100

64 31.9 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0

1.40

100000

80000

60000

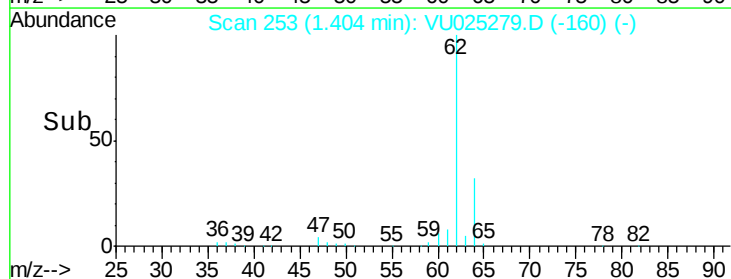
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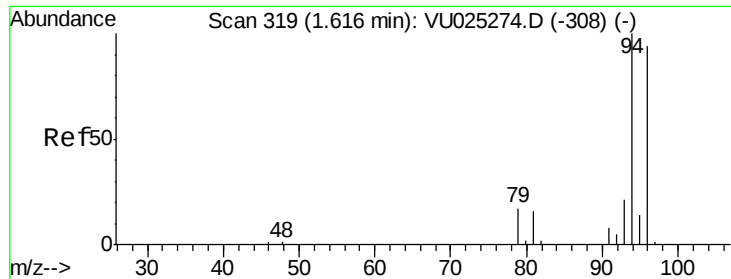
20000

0

1.35 1.40 1.45

Time-->





#5

Bromomethane

Concen: 59.53 ug/l

RT: 1.61 min Scan# 318

Delta R.T. -0.00 min

Lab File: VU025279.D

Acq: 09 Jul 2018 17:52

Instrument :

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Tot Ion: 94 Resp: 65487

Ion Ratio Lower Upper

94 100

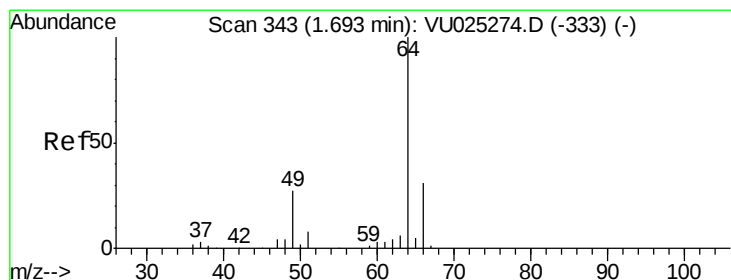
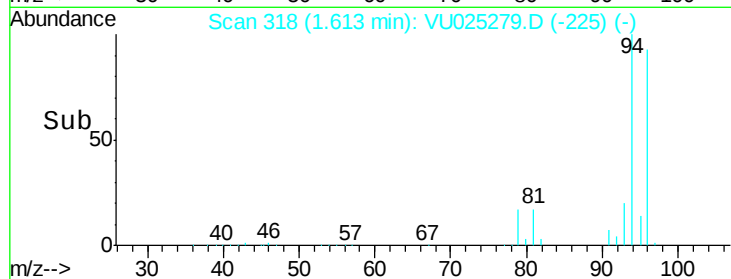
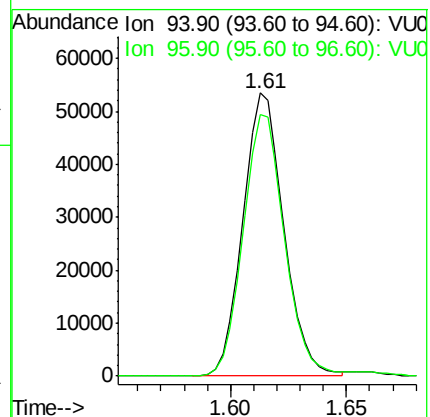
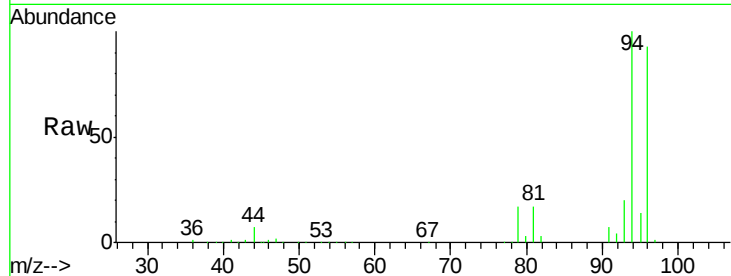
96 92.5 75.0 112.4

Manual Integrations

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#6

Chloroethane

Concen: 46.39 ug/l

RT: 1.69 min Scan# 343

Delta R.T. 0.00 min

Lab File: VU025279.D

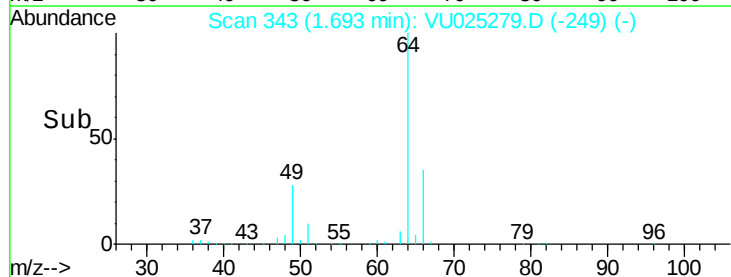
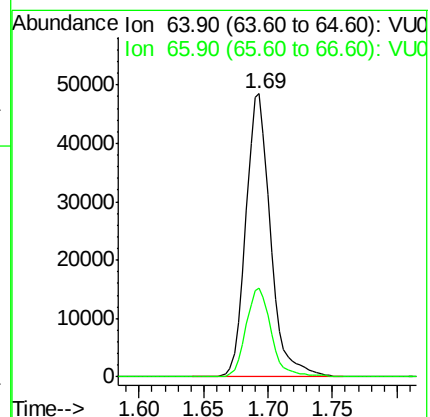
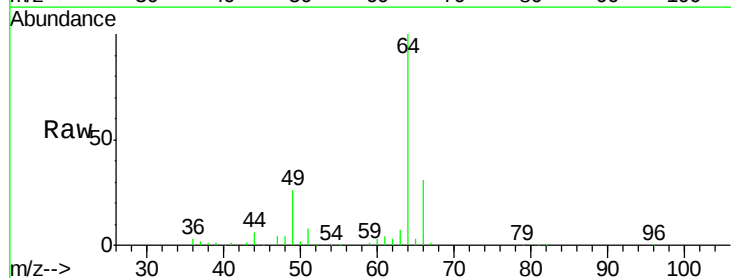
Acq: 09 Jul 2018 17:52

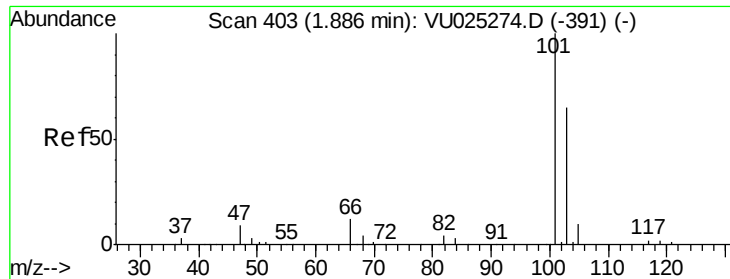
Tgt Ion: 64 Resp: 64642

Ion Ratio Lower Upper

64 100

66 31.3 25.0 37.4





#7

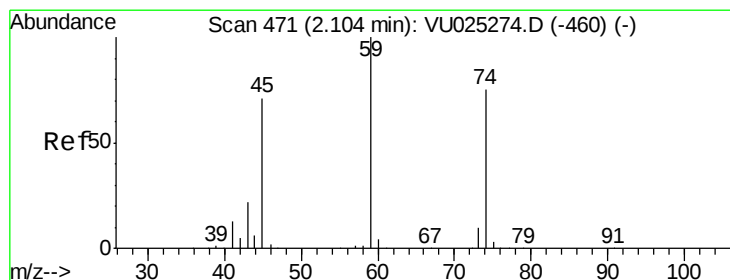
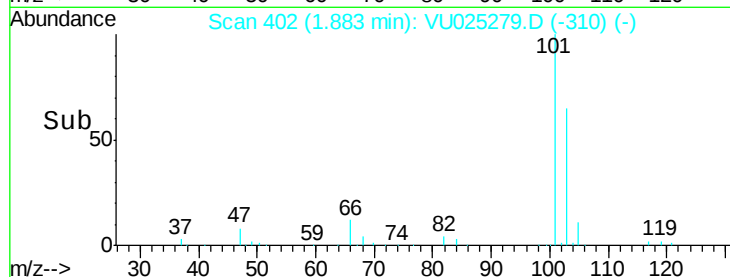
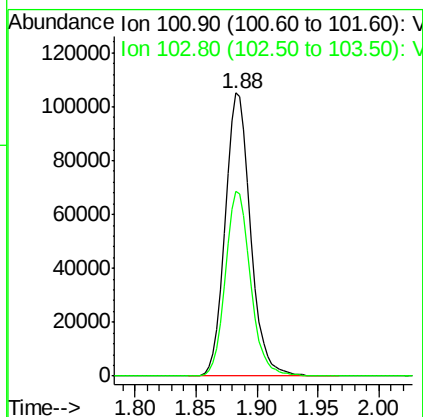
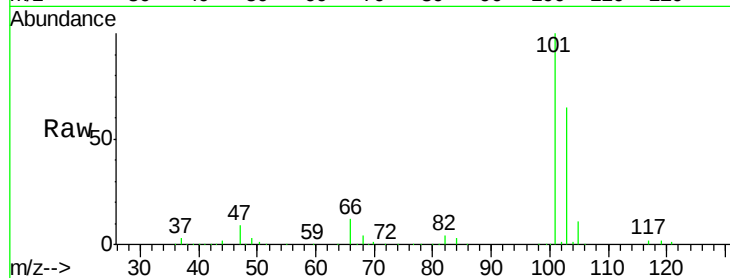
Trichlorofluoromethane
Concen: 44.66 ug/l
RT: 1.88 min Scan# 402
Delta R.T. -0.00 min
Lab File: VU025279.D
Acq: 09 Jul 2018 17:52

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	52.2	78.2

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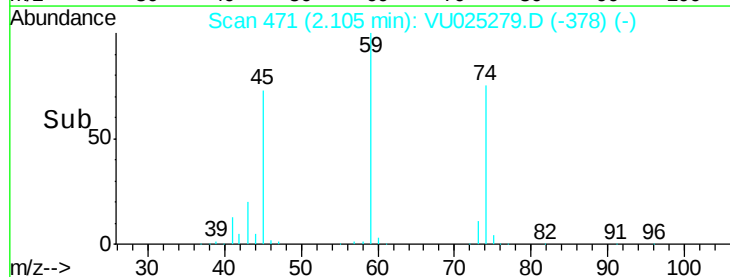
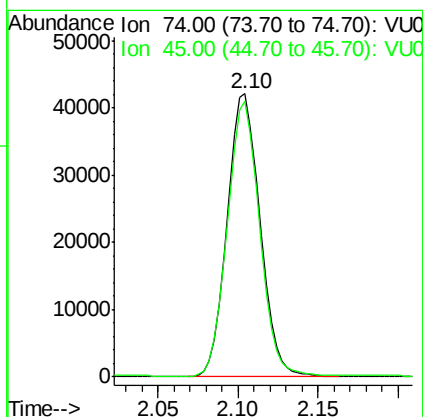
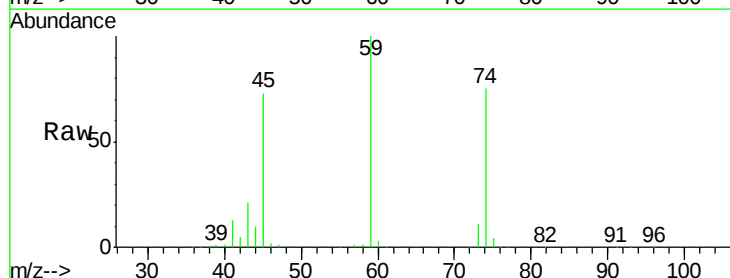
MMDadoda
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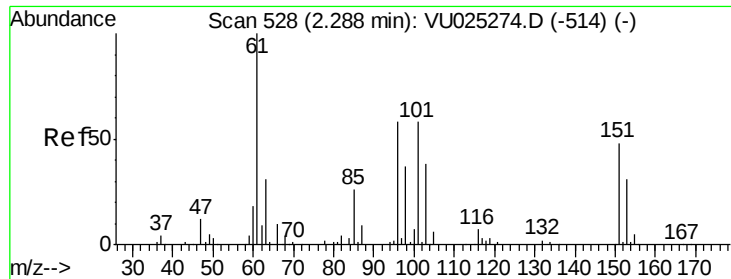


#8

Diethyl Ether
Concen: 45.76 ug/l
RT: 2.10 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU025279.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.8	48.3	144.9





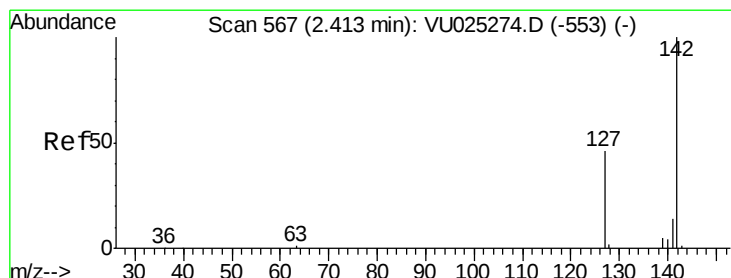
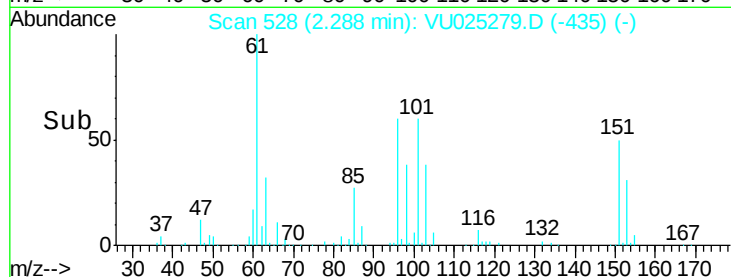
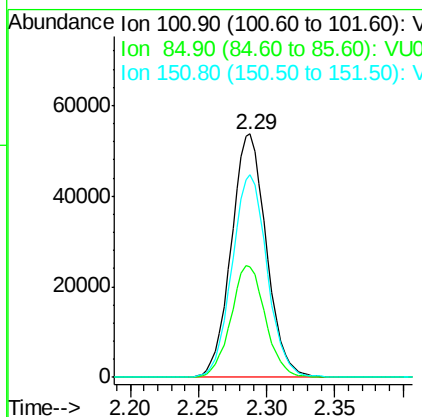
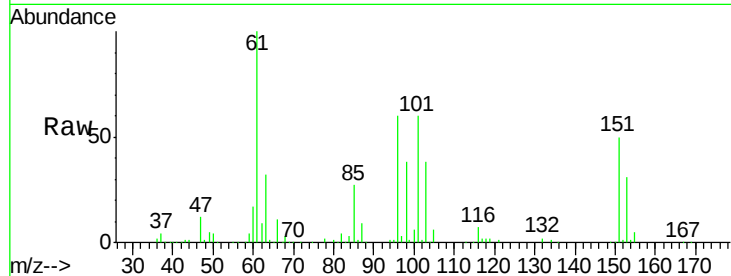
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 44.86 ug/l
 RT: 2.29 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VU025279.D
 Acq: 09 Jul 2018 17:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VICVVU070918

Tot Ion	Ratio	Resp	Lower	Upper
101	100	95771		
85	45.1	36.0	54.0	
151	83.4	65.6	98.4	

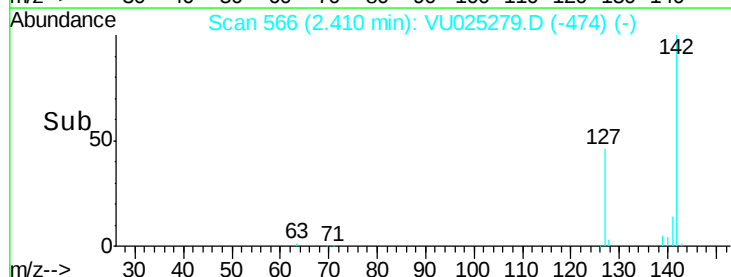
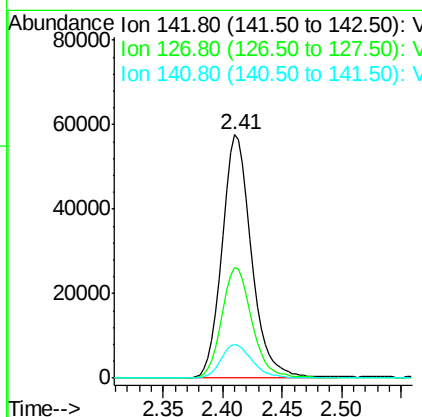
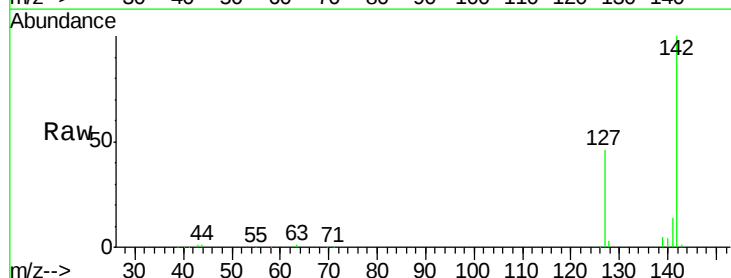
Manual Integrations
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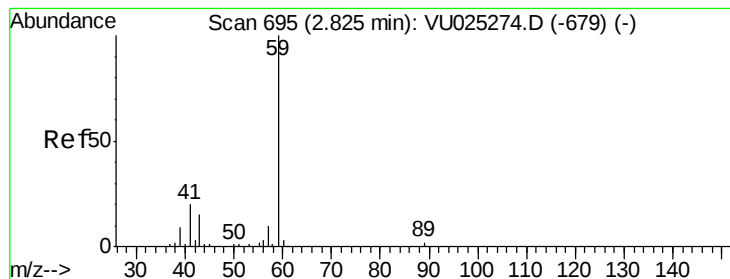
MMDadoda
 7/10/2018 2:33:51 PM



#10
 Methyl Iodide
 Concen: 42.80 ug/l
 RT: 2.41 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: VU025279.D
 Acq: 09 Jul 2018 17:52

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	99137		
127	46.7	36.5	54.7	
141	14.7	11.4	17.2	





#11

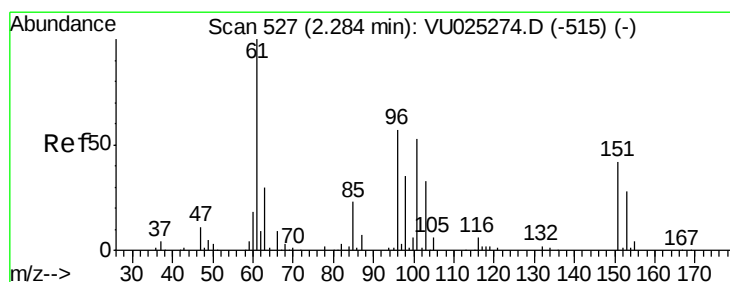
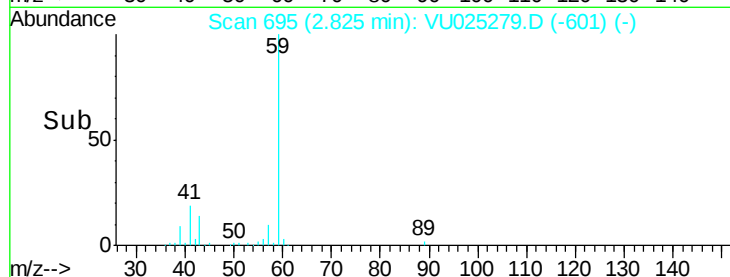
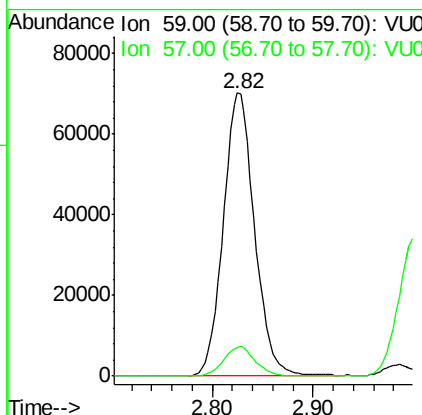
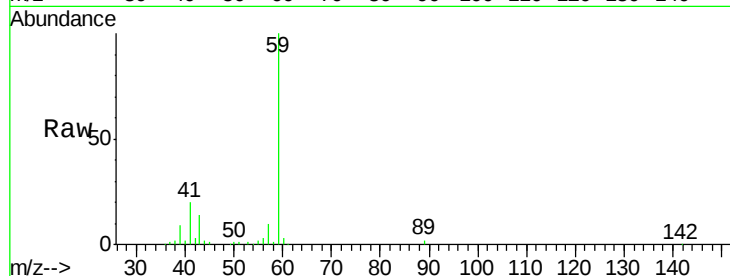
Tert butyl alcohol
Concen: 231.79 ug/l
RT: 2.82 min Scan# 695
Delta R.T. 0.00 min
Lab File: VU025279.D
Acq: 09 Jul 2018 17:52

Instrument :
MSVOA_U
ClientSampleId :
VICVVU070918

Tot Ion	59	Resp	151439
Ion Ratio	100	Lower	Upper
57	10.4	8.2	12.2

Manual Integrations
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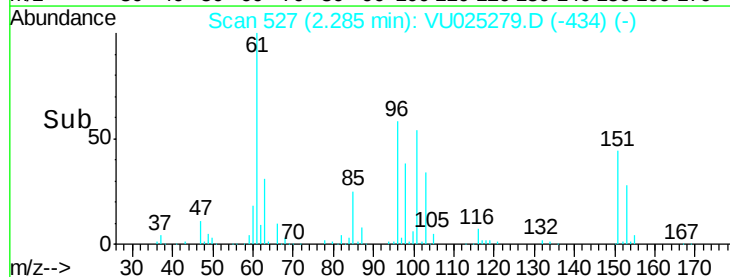
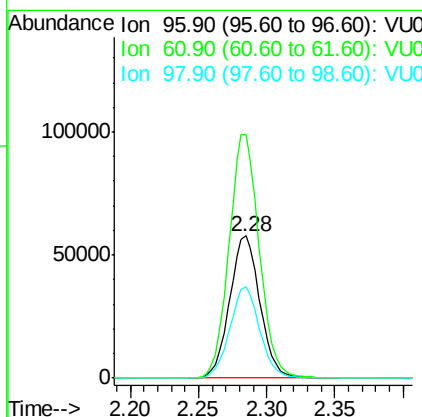
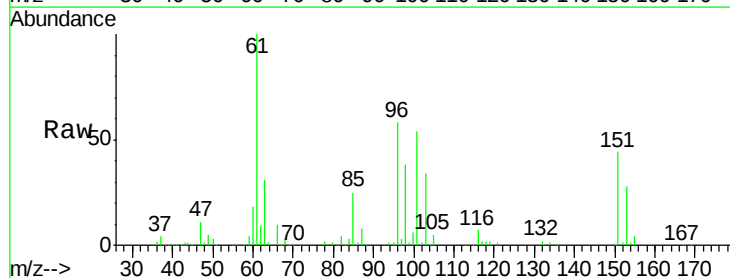
MMDadoda
7/10/2018 2:33:51 PM

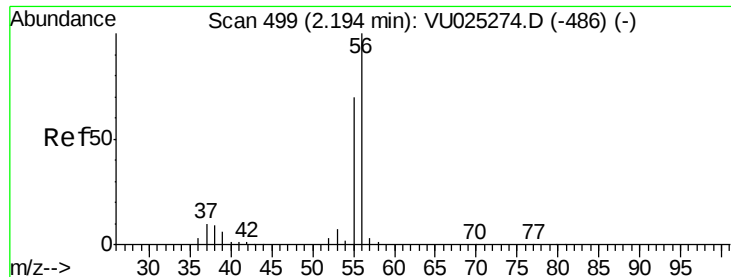


#12

1,1-Dichloroethene
Concen: 45.59 ug/l
RT: 2.28 min Scan# 527
Delta R.T. 0.00 min
Lab File: VU025279.D
Acq: 09 Jul 2018 17:52

Tgt Ion	96	Resp	89075
Ion Ratio	100	Lower	Upper
61	171.2	140.2	210.4
98	64.4	49.3	73.9





#13

Acrolein

Concen: 245.99 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025279.D

Acq: 09 Jul 2018 17:52

Tot Ion: 56 Resp: 106321

Ion Ratio Lower Upper

56 100

55 71.2 57.2 85.8

Instrument :

MSVOA_U

ClientSampleId :

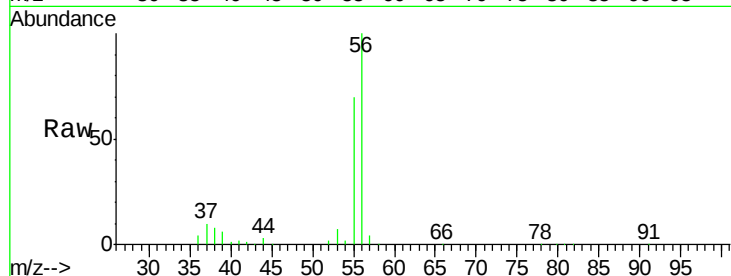
VICVVU070918

Manual Integrations

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7/10/2018 2:33:51 PM



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

2.19

80000

60000

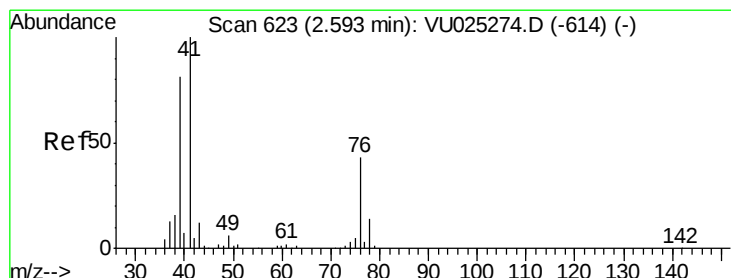
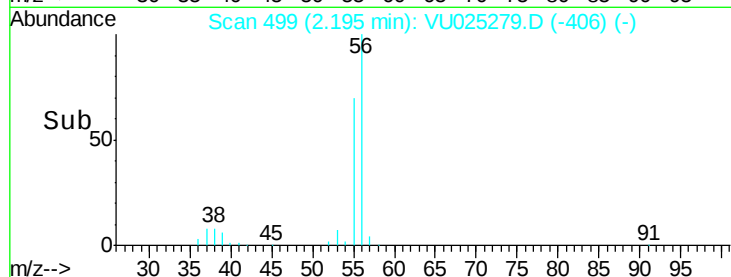
40000

20000

0

Time-->

2.10 2.15 2.20 2.25 2.30



#14

Allyl chloride

Concen: 43.11 ug/l

RT: 2.59 min Scan# 623

Delta R.T. 0.00 min

Lab File: VU025279.D

Acq: 09 Jul 2018 17:52

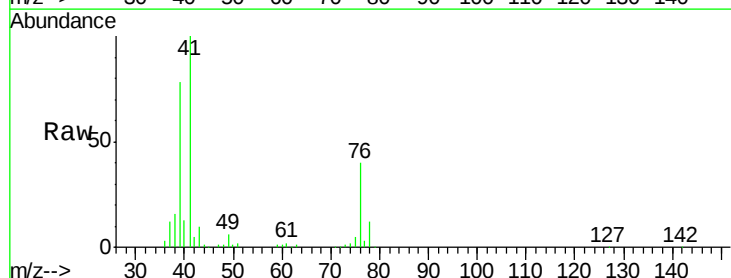
Tgt Ion: 41 Resp: 152769

Ion Ratio Lower Upper

41 100

39 74.8 60.6 91.0

76 38.0 30.5 45.7



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0

120000

100000

80000

60000

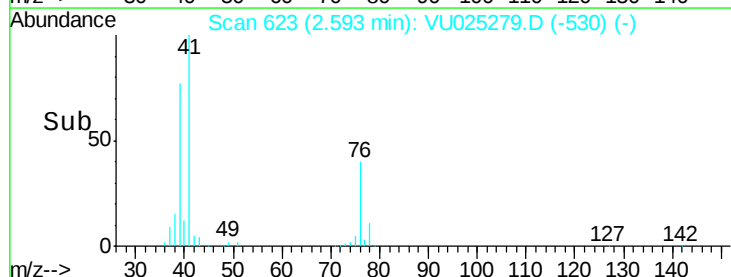
40000

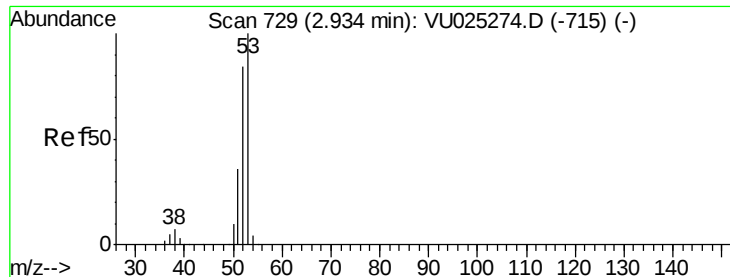
20000

0

Time-->

2.55 2.60 2.65 2.70





#15

Acrylonitrile

Concen: 225.24 ug/l

RT: 2.93 min Scan# 729

Delta R.T. 0.00 min

Lab File: VU025279.D

Acq: 09 Jul 2018 17:52

Instrument :

MSVOA_U

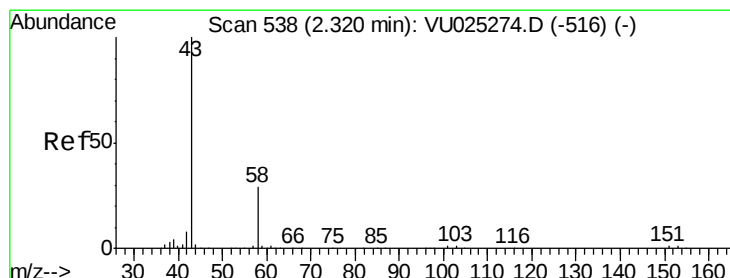
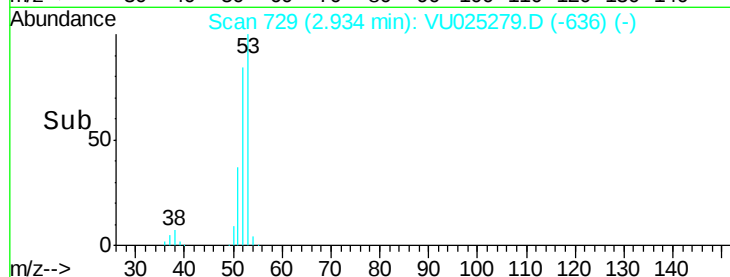
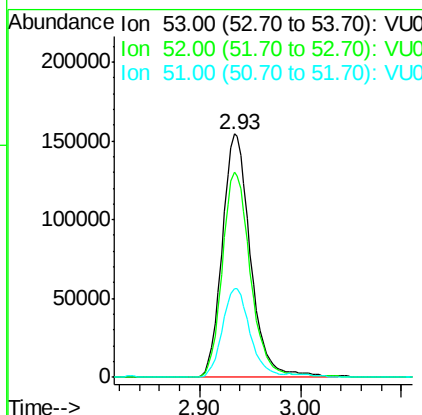
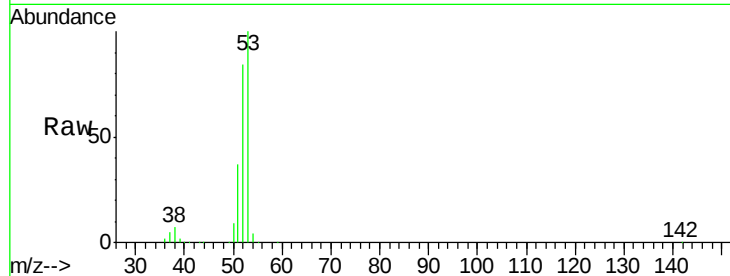
ClientSampleId :

VICVVU070918

Tot Ion:	53	Resp:	302546
Ion	Ratio	Lower	Upper
53	100		
52	83.7	66.6	99.8
51	35.7	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 229.16 ug/l

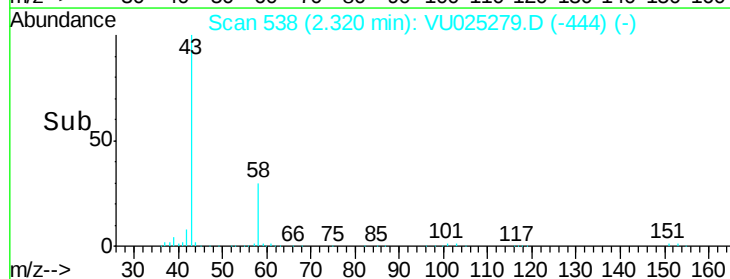
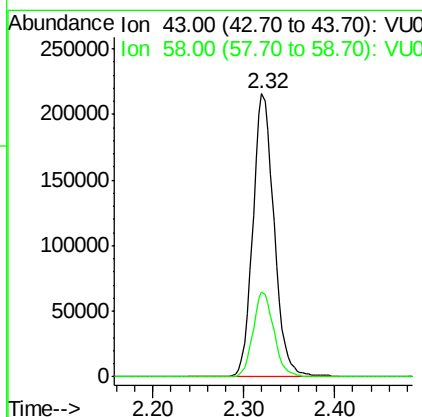
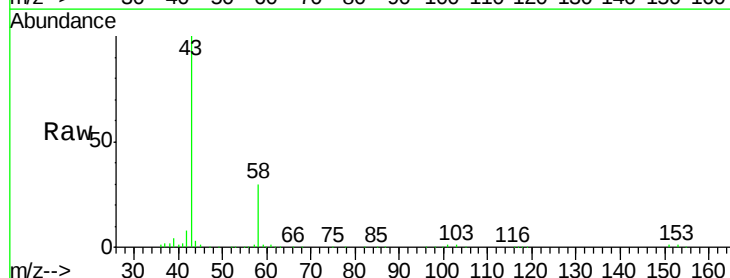
RT: 2.32 min Scan# 538

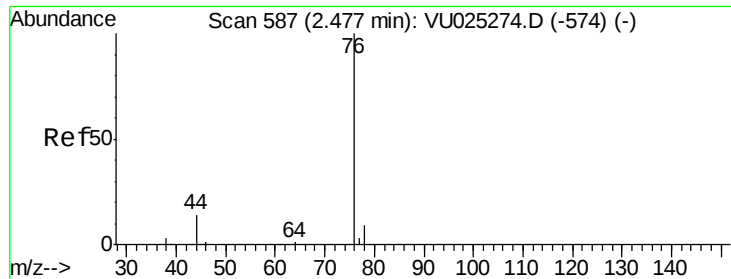
Delta R.T. 0.00 min

Lab File: VU025279.D

Acq: 09 Jul 2018 17:52

Tgt Ion:	43	Resp:	349573
Ion	Ratio	Lower	Upper
43	100		
58	29.8	23.1	34.7





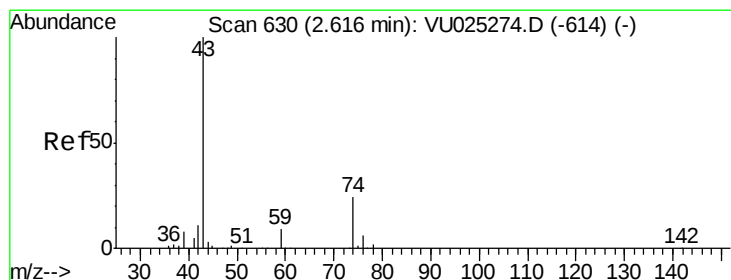
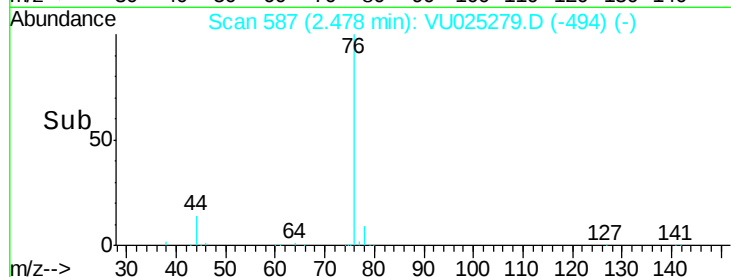
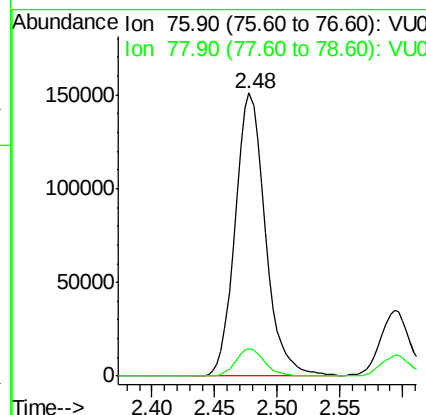
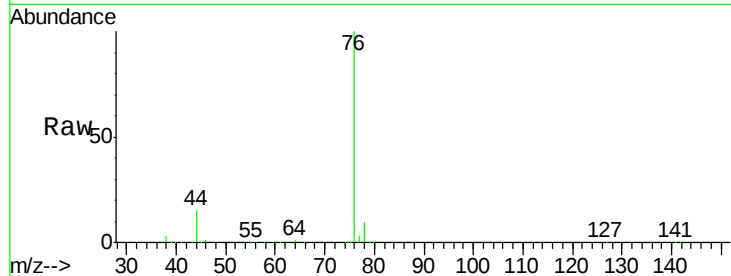
#17
Carbon Disulfide
Concen: 44.51 ug/l
RT: 2.48 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU025279.D
Acq: 09 Jul 2018 17:52

Instrument :
MSVOA_U
ClientSampleId :
VICVVU070918

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.4	11.2

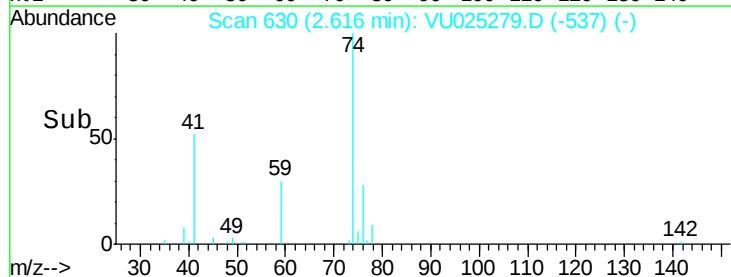
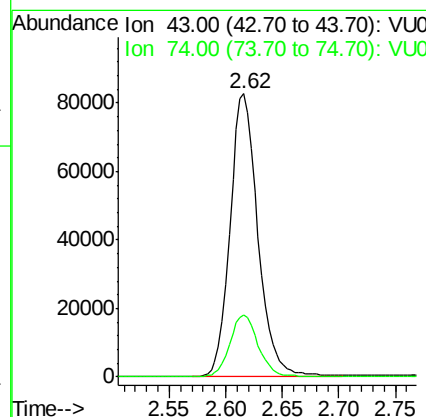
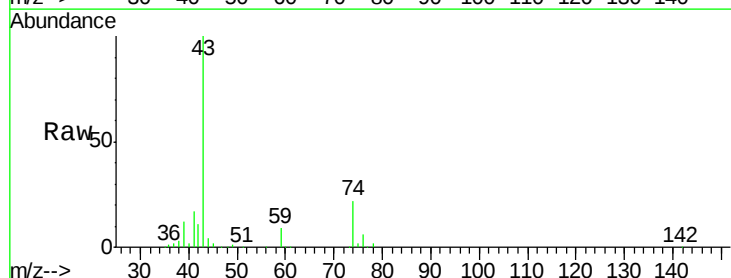
Manual Integrations
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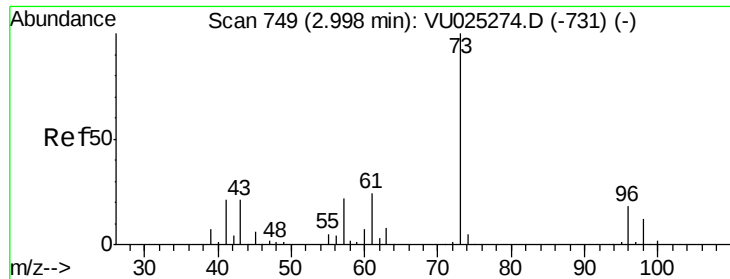
MMDadoda
7/10/2018 2:33:51 PM



#18
Methyl Acetate
Concen: 45.90 ug/l
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU025279.D
Acq: 09 Jul 2018 17:52

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.6	18.5	27.7





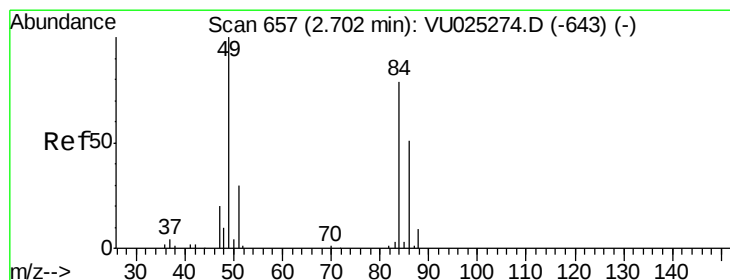
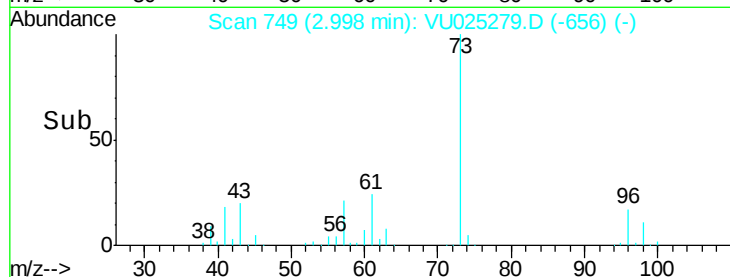
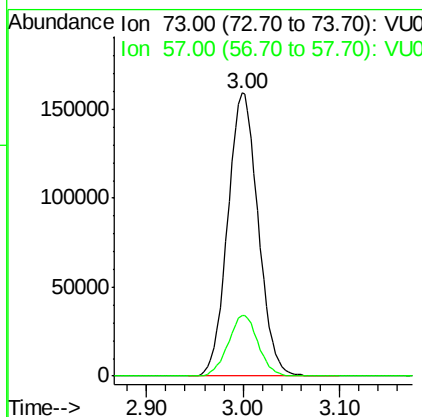
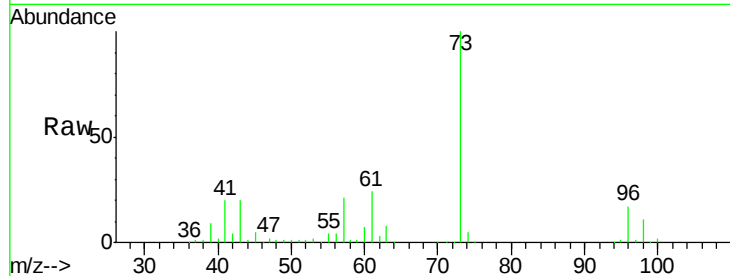
#19
Methvl tert-butvl Ether
Concen: 46.70 ug/l
RT: 3.00 min Scan# 749
Delta R.T. 0.00 min
Lab File: VU025279.D
Acq: 09 Jul 2018 17:52

Instrument :
MSVOA_U
ClientSampleId :
VICVVU070918

Tot Ion: 73 Resp: 347068
Ion Ratio Lower Upper
73 100
57 21.4 17.4 26.2

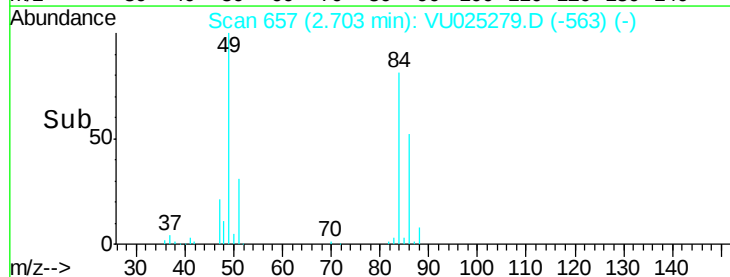
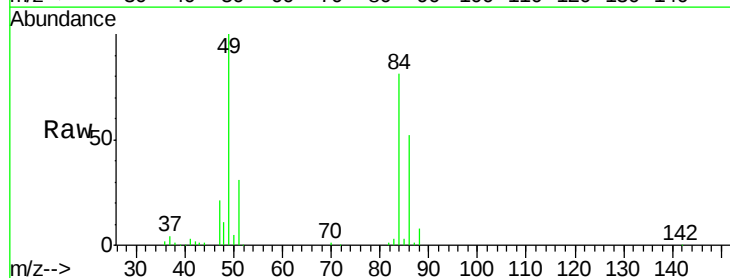
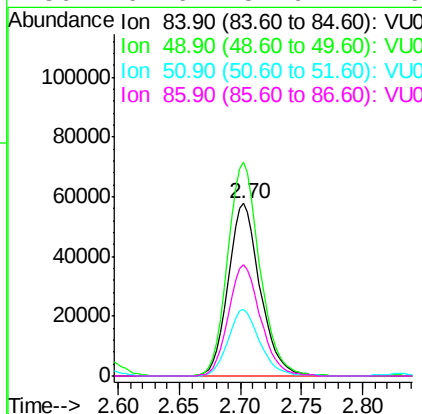
Manual Integrations
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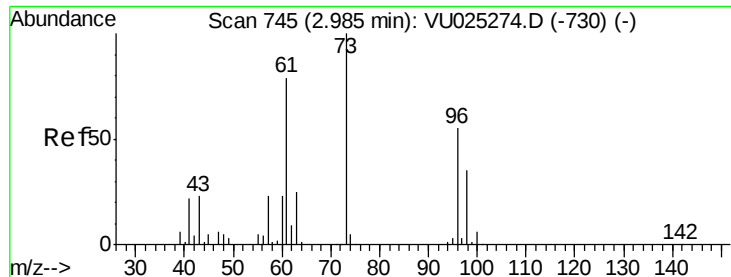
MMDadoda
7/10/2018 2:33:51 PM



#20
Methylene Chloride
Concen: 45.54 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025279.D
Acq: 09 Jul 2018 17:52

Tgt Ion: 84 Resp: 105371
Ion Ratio Lower Upper
84 100
49 124.0 101.8 152.6
51 38.6 30.8 46.2
86 64.6 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 43.48 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025279.D

Acq: 09 Jul 2018 17:52

Instrument :

MSVOA_U

ClientSampleId :

VICVVU070918

Tot Ion: 96 Resp: 97098

Ion Ratio Lower Upper

96 100

61 147.6 114.5 171.7

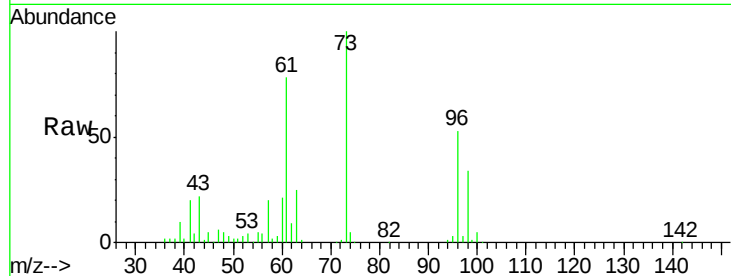
98 64.9 50.5 75.7

Manual Integrations

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7/10/2018 2:33:51 PM

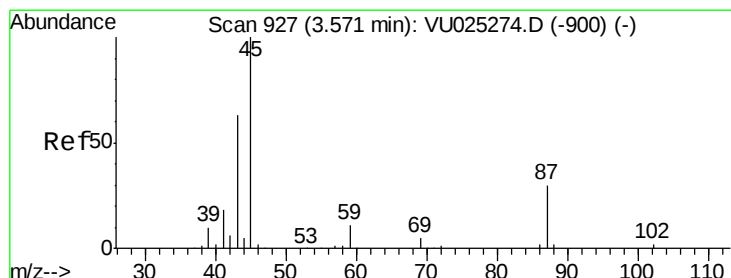
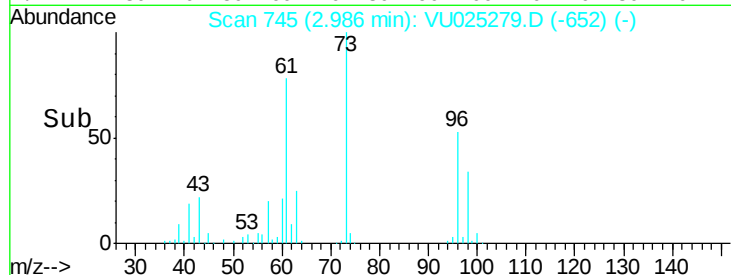
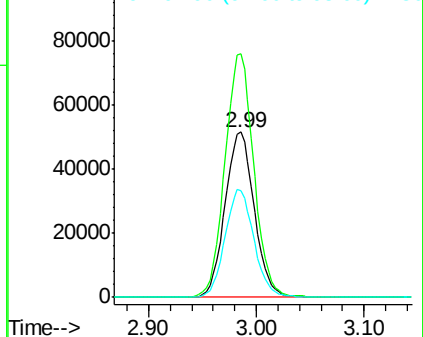


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 45.62 ug/l

RT: 3.57 min Scan# 927

Delta R.T. 0.00 min

Lab File: VU025279.D

Acq: 09 Jul 2018 17:52

Tgt Ion: 45 Resp: 330166

Ion Ratio Lower Upper

45 100

43 62.7 50.9 76.3

87 28.1 23.8 35.8

59 11.8 9.0 13.4

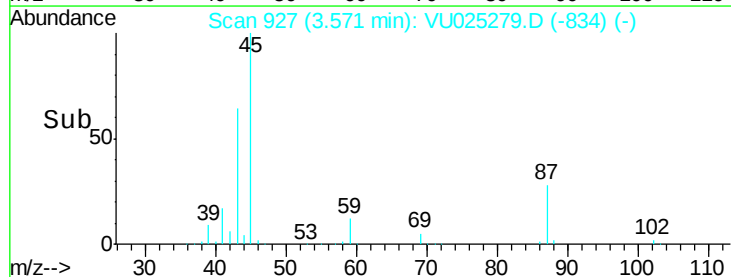
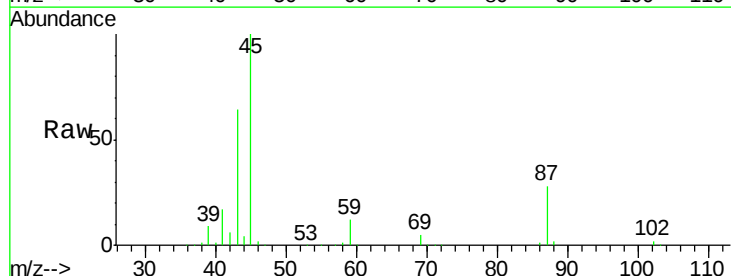
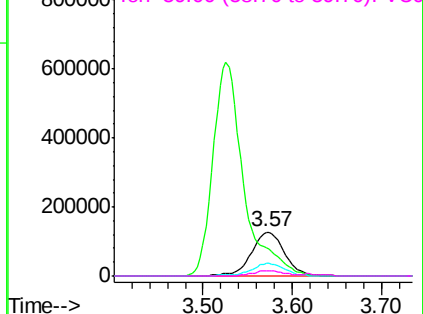
Abundance

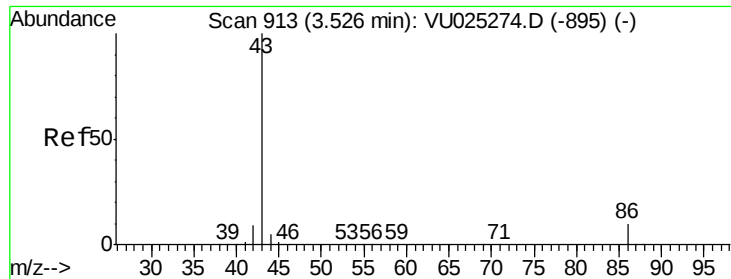
Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 233.53 ug/l

RT: 3.53 min Scan# 913

Delta R.T. 0.00 min

Lab File: VU025279.D

Acq: 09 Jul 2018 17:52

Instrument :

MSVOA_U

ClientSampleId :

VICVVU070918

Tot Ion: 43 Resp: 1482574

Ion Ratio Lower Upper

43 100

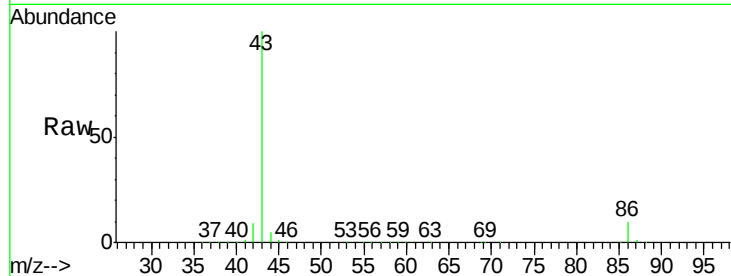
86 10.2 8.2 12.2

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

3.53

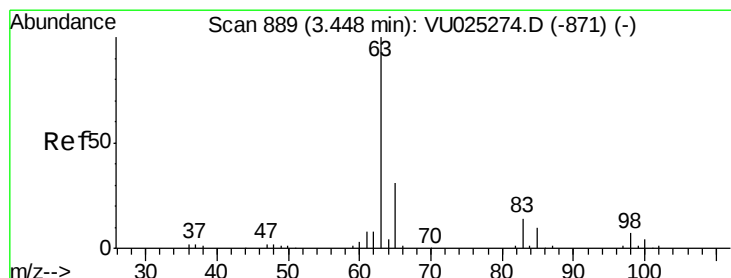
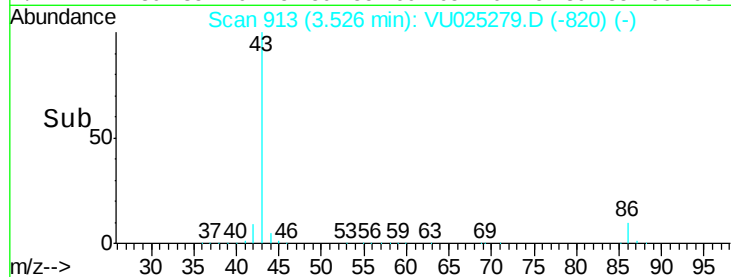
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 46.25 ug/l

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU025279.D

Acq: 09 Jul 2018 17:52

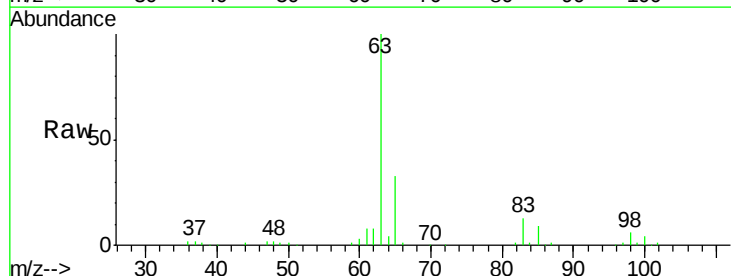
Tgt Ion: 63 Resp: 188790

Ion Ratio Lower Upper

63 100

98 6.2 3.4 10.1

100 4.3 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

3.45

100000

80000

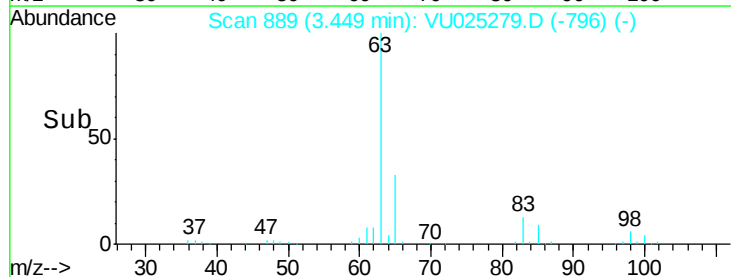
60000

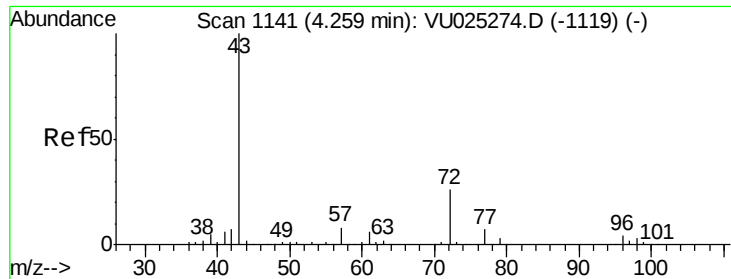
40000

20000

0

Time-->





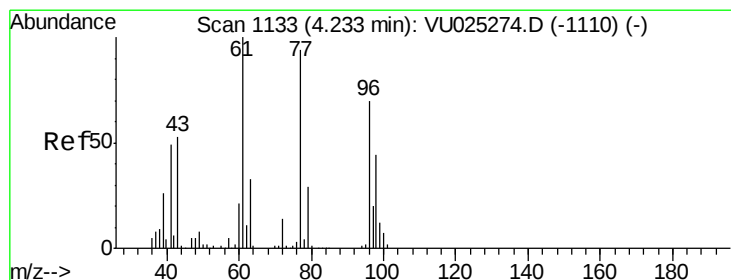
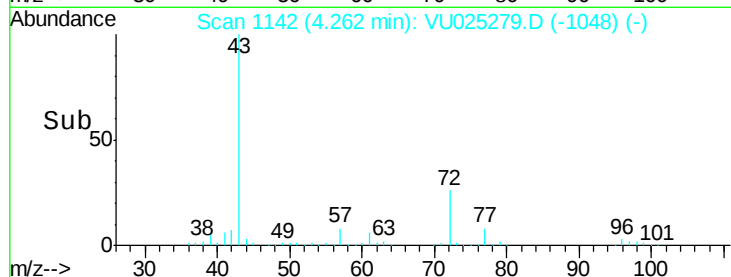
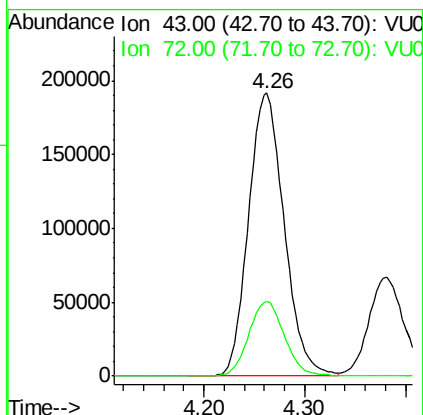
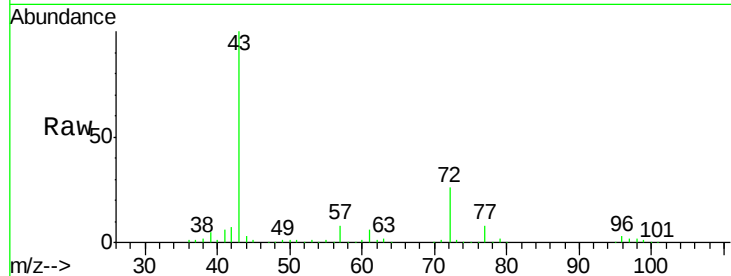
#25
2-Butanone
Concen: 224.99 ug/l
RT: 4.26 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VU025279.D
Acq: 09 Jul 2018 17:52

Instrument :
MSVOA_U
ClientSampleId :
VICVVU070918

Tot Ion: 43 Resp: 467045
Ion Ratio Lower Upper
43 100
72 26.3 21.0 31.4

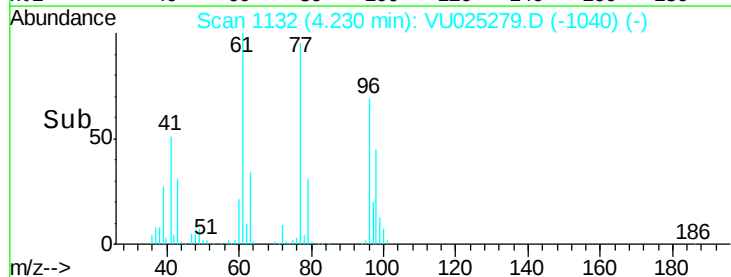
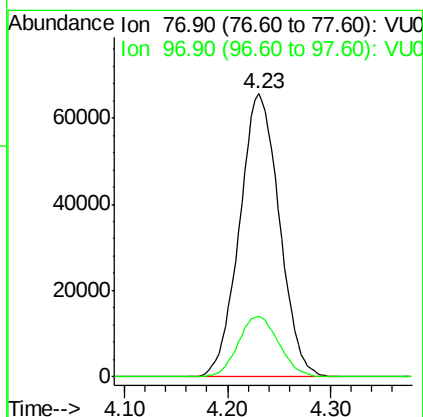
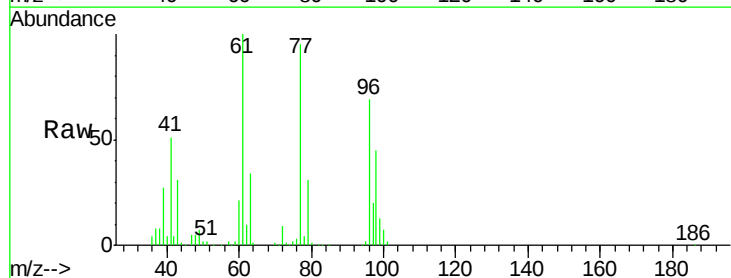
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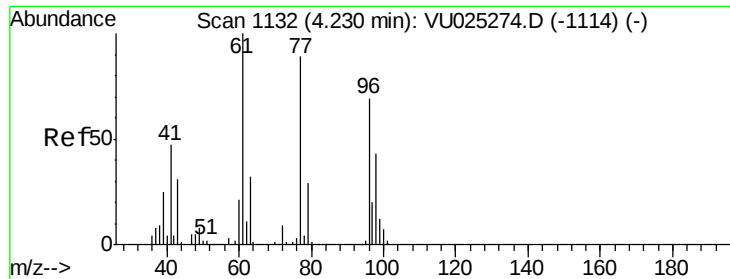
MMDadoda
7/10/2018 2:33:51 PM



#26
2,2-Dichloropropane
Concen: 44.84 ug/l
RT: 4.23 min Scan# 1132
Delta R.T. -0.00 min
Lab File: VU025279.D
Acq: 09 Jul 2018 17:52

Tgt Ion: 77 Resp: 175971
Ion Ratio Lower Upper
77 100
97 21.8 11.2 33.5





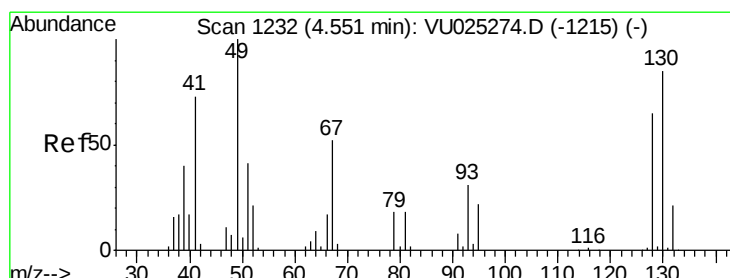
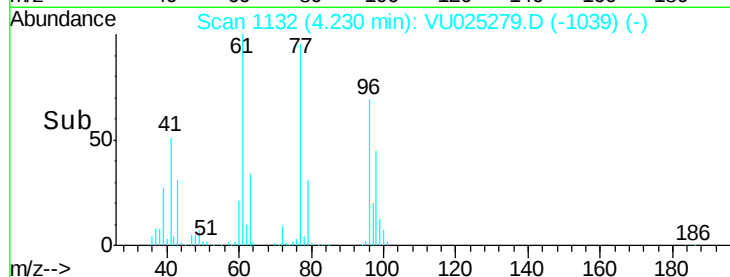
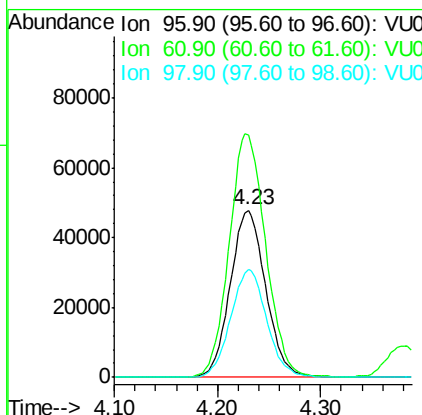
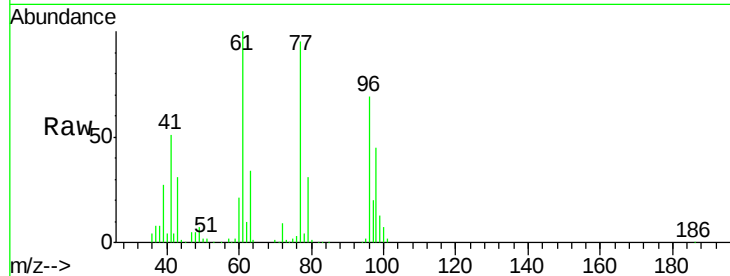
#27
 cis-1,2-Dichloroethene
 Concen: 44.25 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU025279.D
 Acq: 09 Jul 2018 17:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VICVVU070918

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	150.3	0.0	299.8	
98	65.8	0.0	128.6	

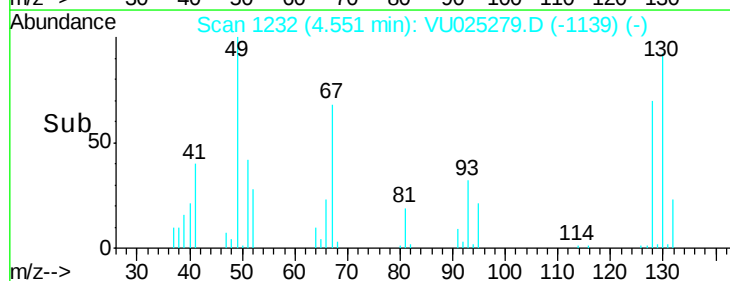
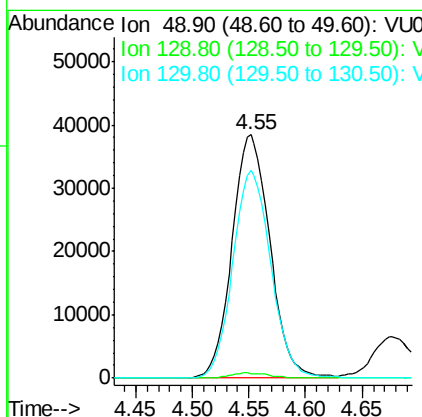
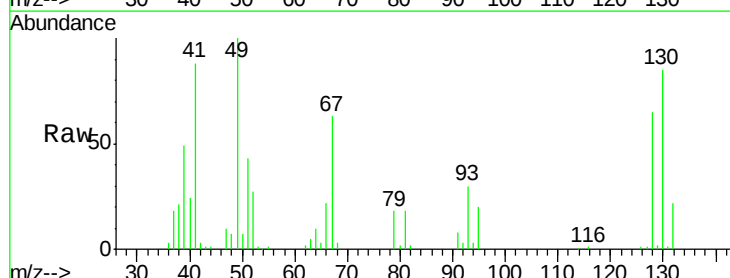
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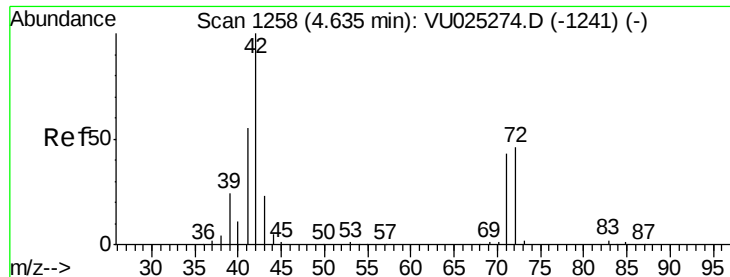
MMDadoda
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#28
 Bromochloromethane
 Concen: 45.51 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VU025279.D
 Acq: 09 Jul 2018 17:52

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.2	0.0	4.6	
130	85.6	68.6	102.8	





#29

Tetrahydrofuran

Concen: 223.88 ug/l

RT: 4.64 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VU025279.D

Acq: 09 Jul 2018 17:52

Instrument :

MSVOA_U

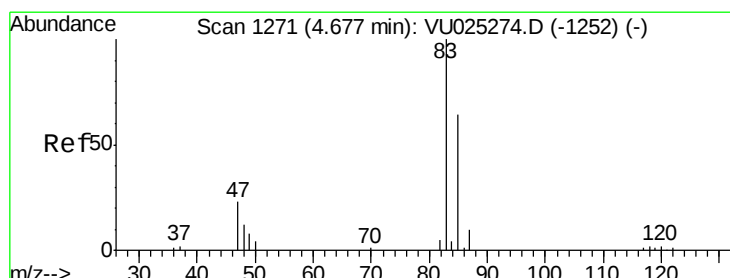
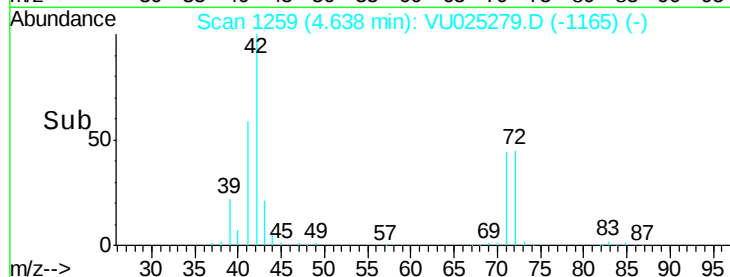
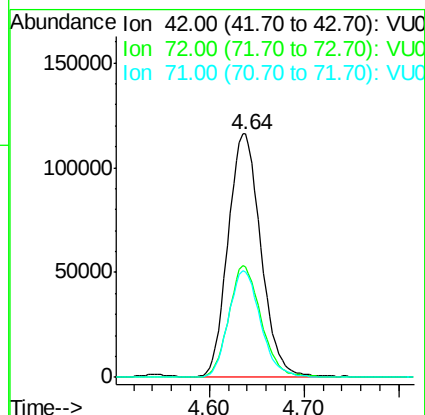
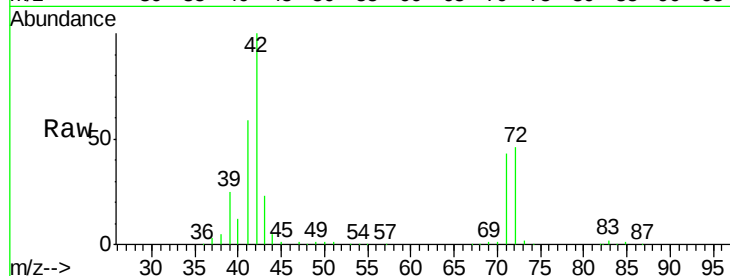
ClientSampleId :

VICVVU070918

Tot Ion:	42	Resp:	278757
Ion	Ratio	Lower	Upper
42	100		
72	45.6	36.7	55.1
71	42.8	33.9	50.9

Manual Integrations
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#30

Chloroform

Concen: 45.70 ug/l

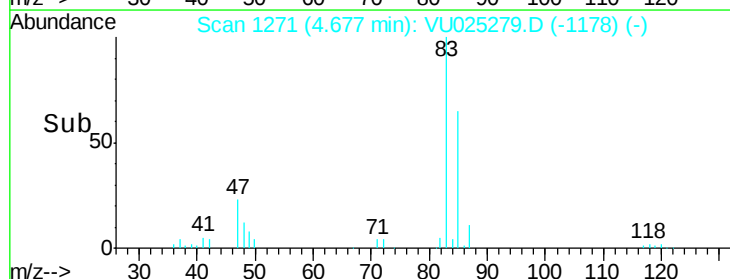
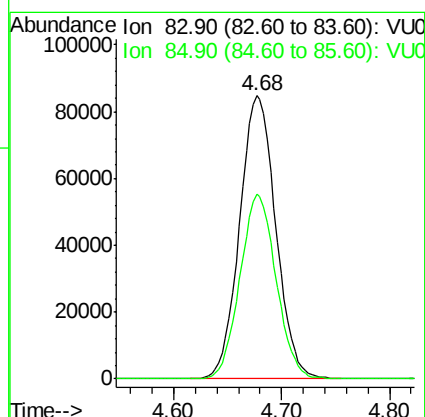
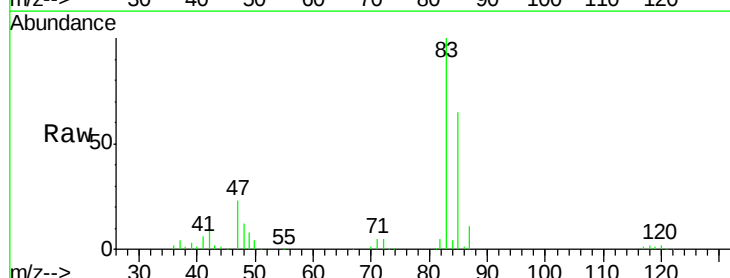
RT: 4.68 min Scan# 1271

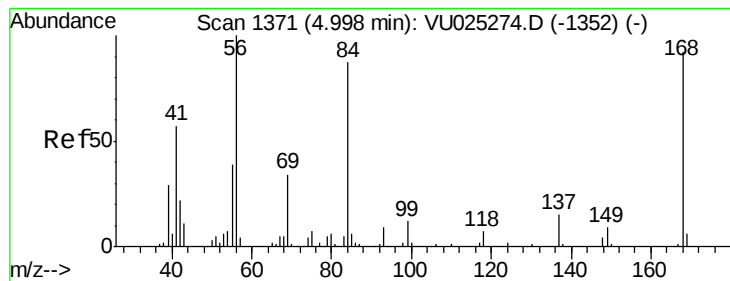
Delta R.T. 0.00 min

Lab File: VU025279.D

Acq: 09 Jul 2018 17:52

Tgt Ion:	83	Resp:	197545
Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.5	77.3





#31

Cyclohexane

Concen: 44.27 ug/l

RT: 5.00 min Scan# 1371

Delta R.T. 0.00 min

Lab File: VU025279.D

Acq: 09 Jul 2018 17:52

Instrument :

MSVOA_U

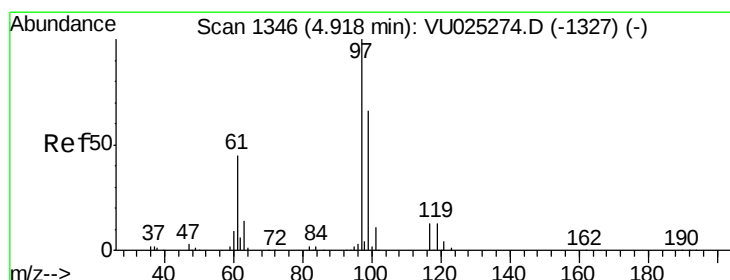
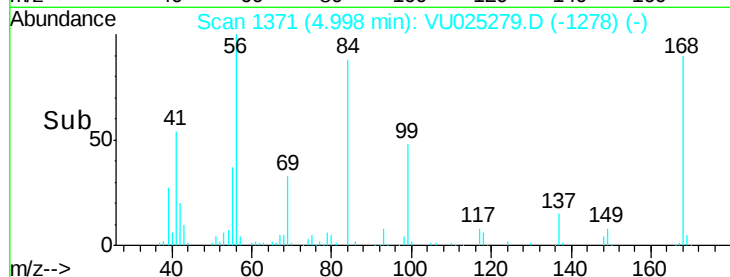
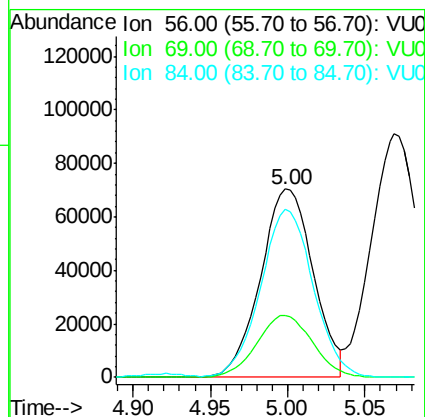
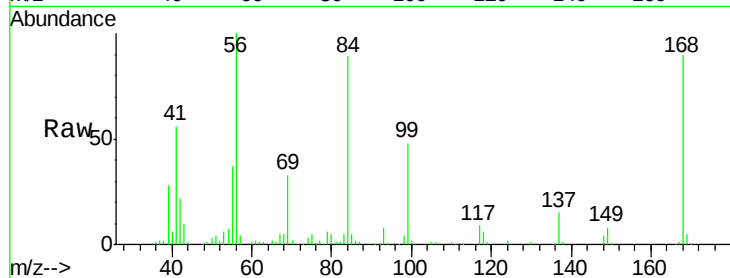
ClientSampleId :

VICVVU070918

Tot Ion:	56	Resp:	167121
Ion	Ratio	Lower	Upper
56	100		
69	33.2	26.8	40.2
84	88.4	69.7	104.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 46.20 ug/l

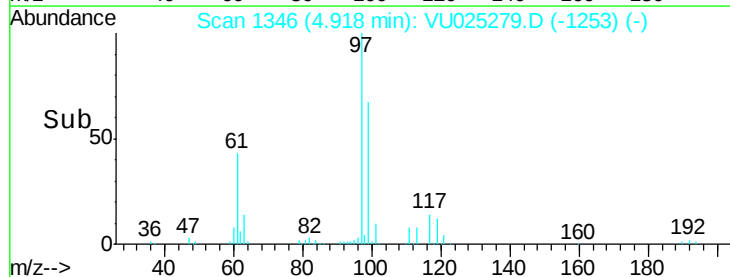
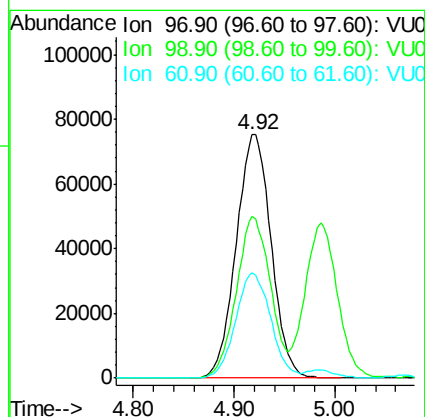
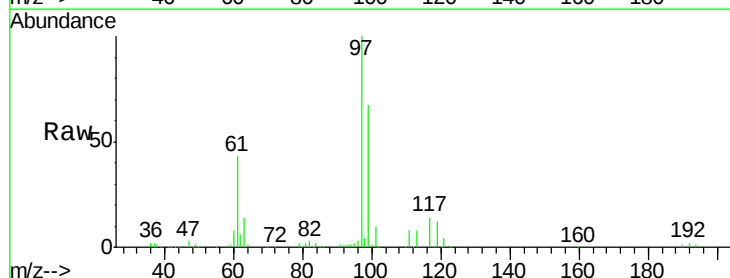
RT: 4.92 min Scan# 1346

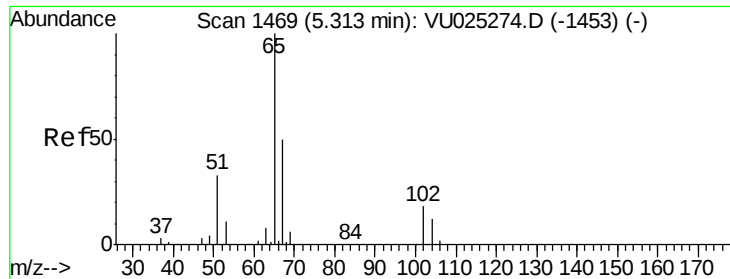
Delta R.T. 0.00 min

Lab File: VU025279.D

Acq: 09 Jul 2018 17:52

Tgt Ion:	97	Resp:	180981
Ion	Ratio	Lower	Upper
97	100		
99	65.1	50.8	76.2
61	43.5	35.2	52.8





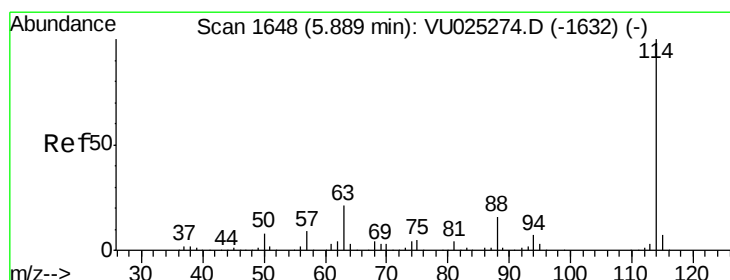
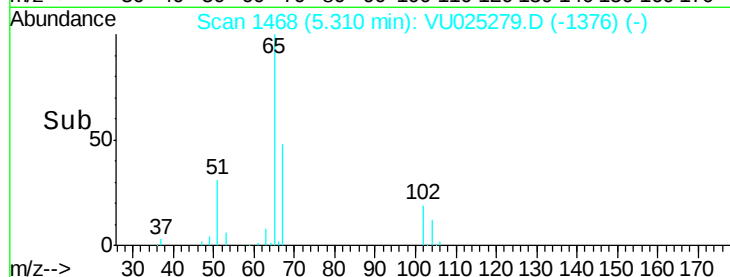
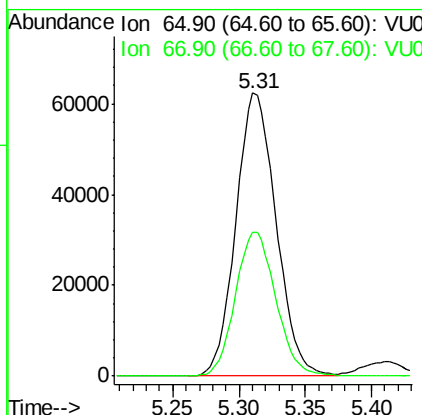
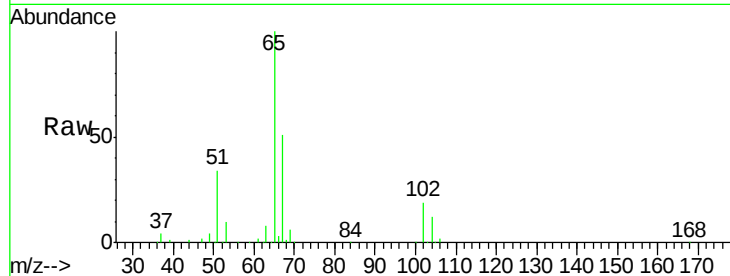
#33
 1,2-Dichloroethane-d4
 Concen: 44.01 ug/l
 RT: 5.31 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: VU025279.D
 Acq: 09 Jul 2018 17:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VICVVU070918

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	103.6

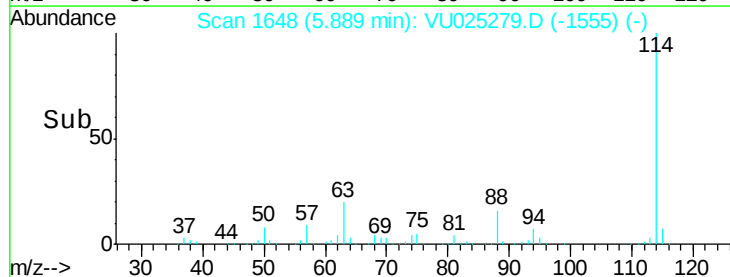
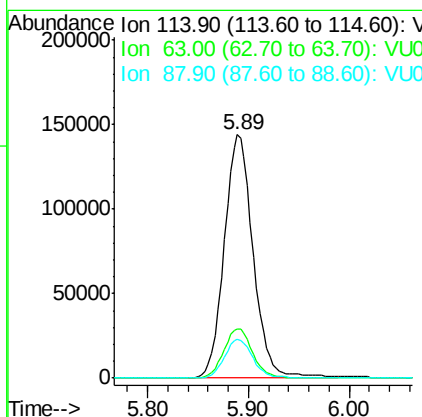
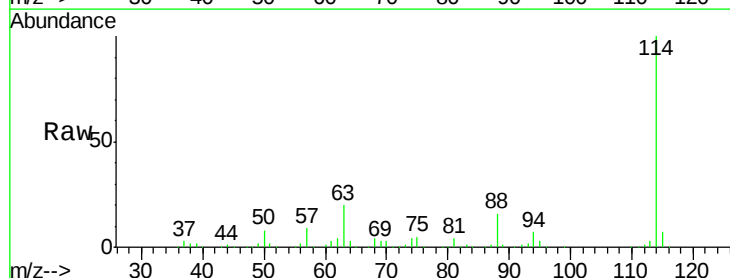
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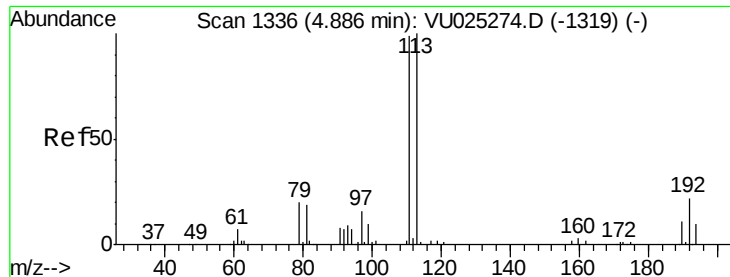
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. 0.00 min
 Lab File: VU025279.D
 Acq: 09 Jul 2018 17:52

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	41.6
88	16.1	0.0	32.4





#35

Dibromofluoromethane

Concen: 44.63 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU025279.D

Acq: 09 Jul 2018 17:52

Instrument :

MSVOA_U

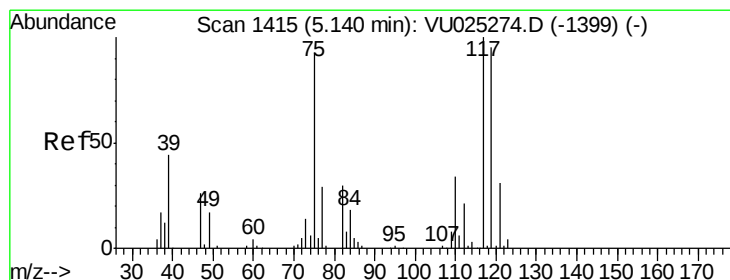
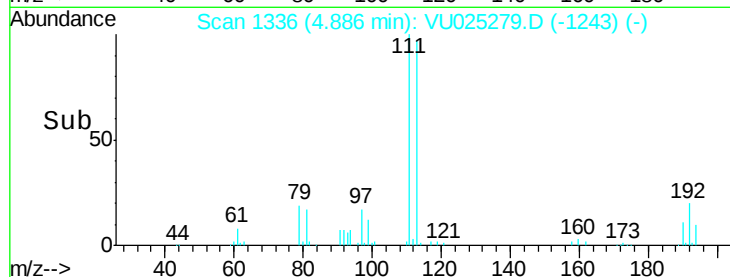
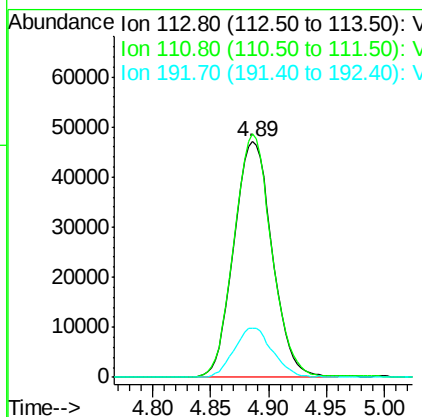
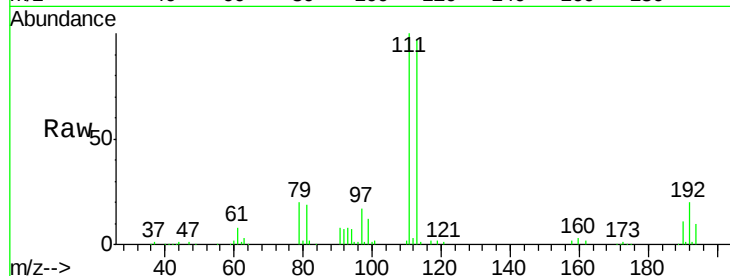
ClientSampleId :

VICVVU070918

Tot Ion:	113	Resp:	108369
Ion	Ratio	Lower	Upper
113	100		
111	101.0	81.7	122.5
192	20.9	17.1	25.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 44.74 ug/l

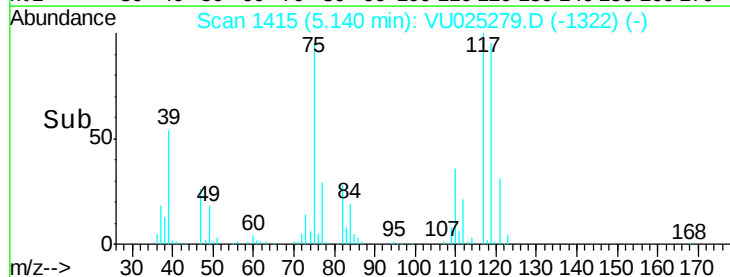
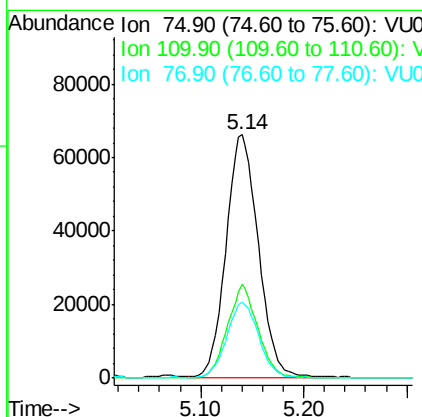
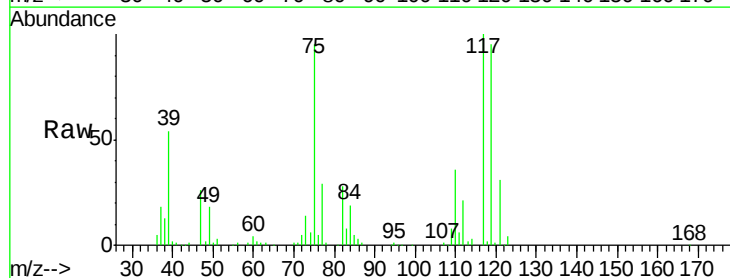
RT: 5.14 min Scan# 1415

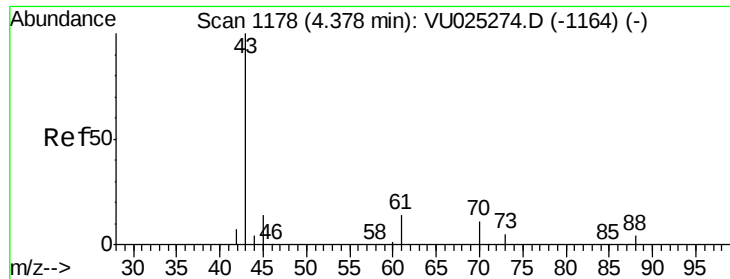
Delta R.T. 0.00 min

Lab File: VU025279.D

Acq: 09 Jul 2018 17:52

Tgt Ion:	75	Resp:	143174
Ion	Ratio	Lower	Upper
75	100		
110	36.7	17.6	52.9
77	30.7	24.4	36.6





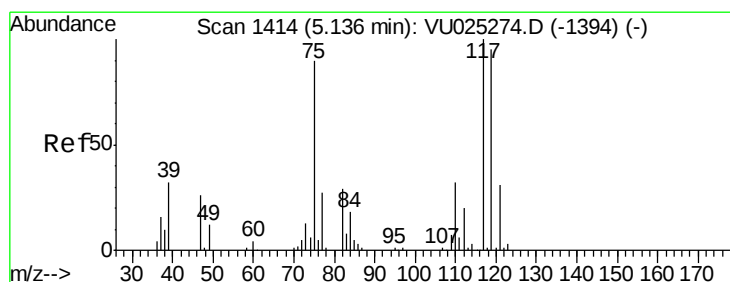
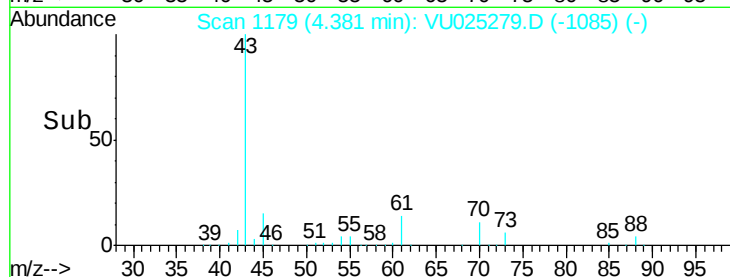
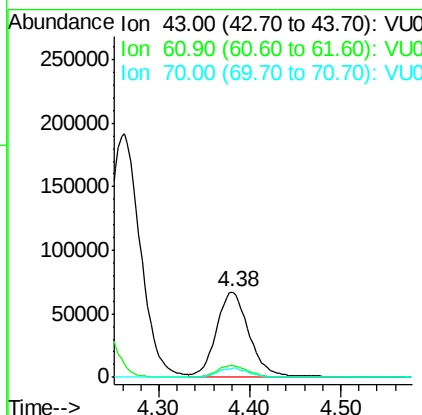
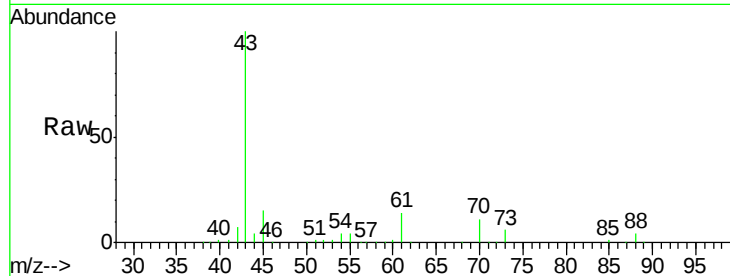
#37
Ethyl Acetate
Concen: 46.38 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU025279.D
Acq: 09 Jul 2018 17:52

Instrument :
MSVOA_U
ClientSampleId :
VICVVU070918

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.7	16.1
70	10.3	8.4	12.6

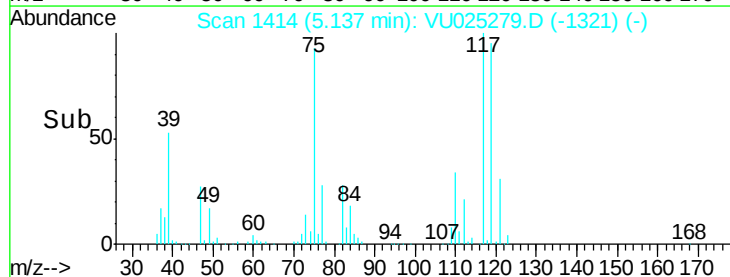
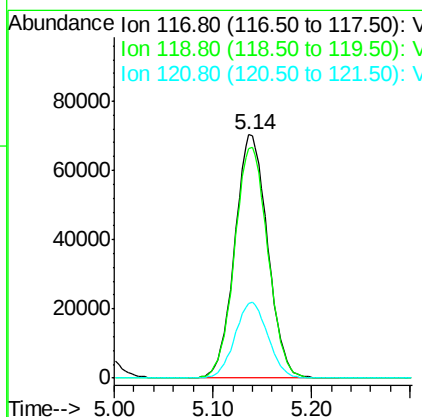
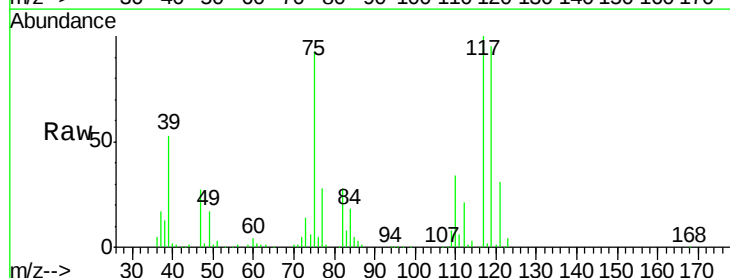
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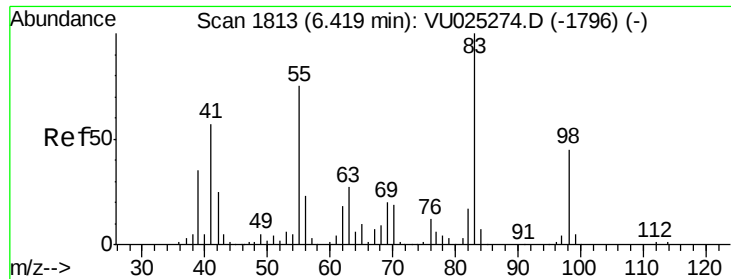
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#38
Carbon Tetrachloride
Concen: 47.16 ug/l
RT: 5.14 min Scan# 1414
Delta R.T. 0.00 min
Lab File: VU025279.D
Acq: 09 Jul 2018 17:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.5	75.7	113.5
121	30.9	24.6	36.8





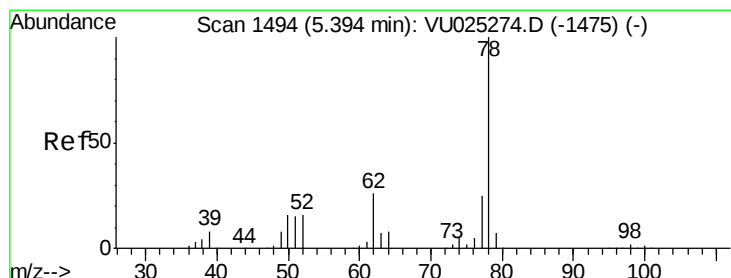
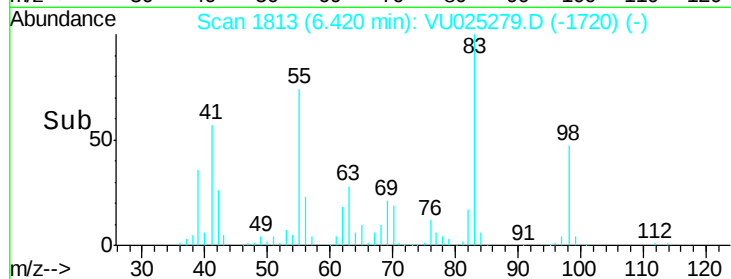
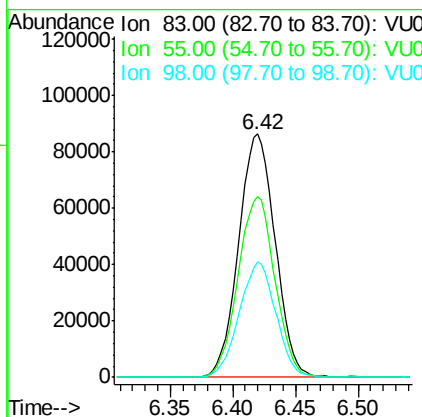
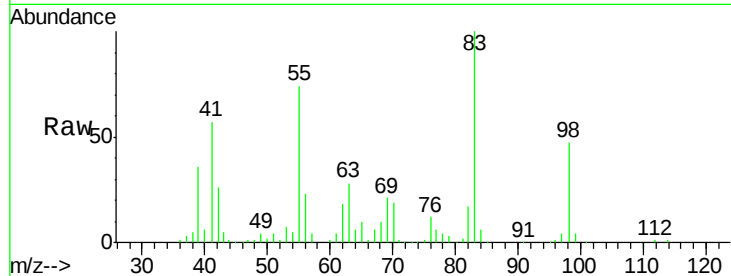
#39
Methylvlcvclohexane
Concen: 43.88 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025279.D
Acq: 09 Jul 2018 17:52

Instrument :
MSVOA_U
ClientSampleId :
VICVVU070918

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.4	60.0	90.0
98	47.2	36.1	54.1

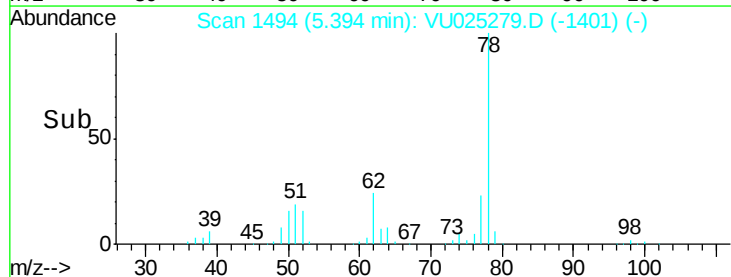
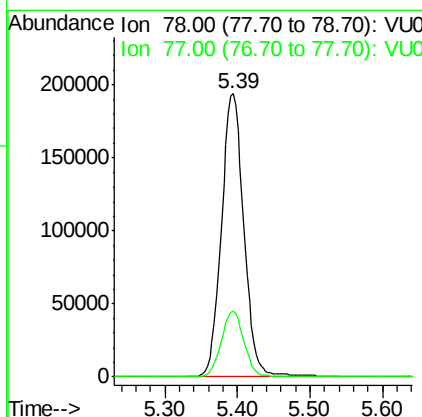
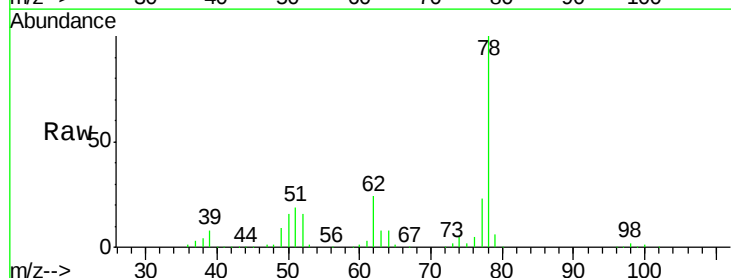
Manual Integrations
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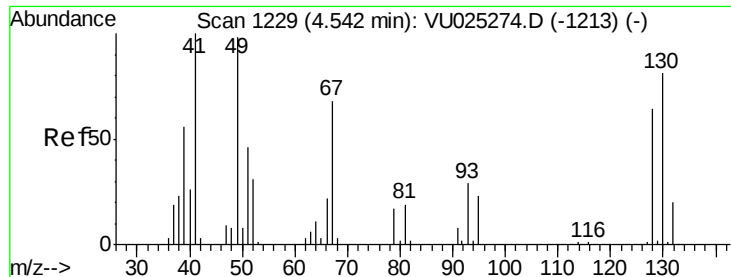
MMDadoda
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#40
Benzene
Concen: 45.22 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025279.D
Acq: 09 Jul 2018 17:52

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.8	29.6





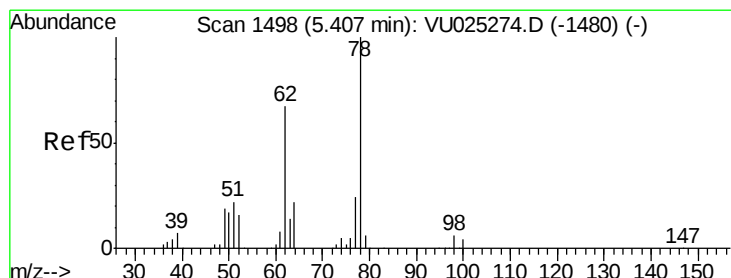
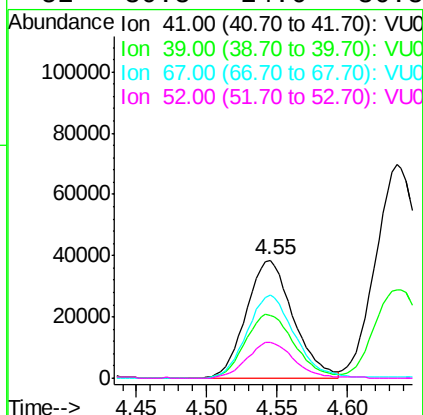
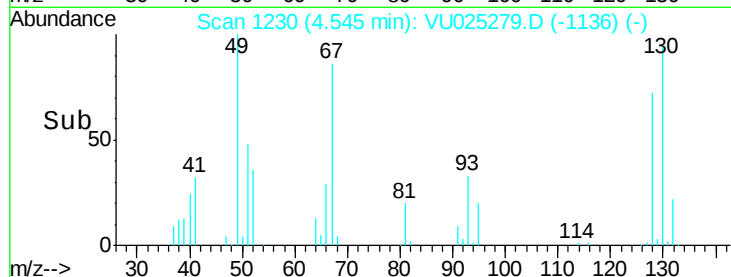
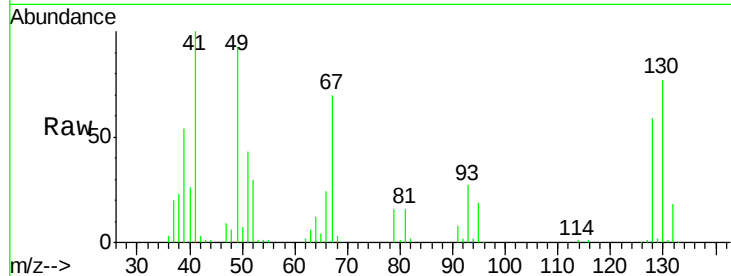
#41
Methacrylonitrile
Concen: 45.47 ug/l
RT: 4.55 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU025279.D
Acq: 09 Jul 2018 17:52

Instrument :
MSVOA_U
ClientSampleId :
VICVVU070918

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		89980		
39	56.5	44.4	66.6		
67	71.7	56.0	84.0		
52	30.8	24.6	36.8		

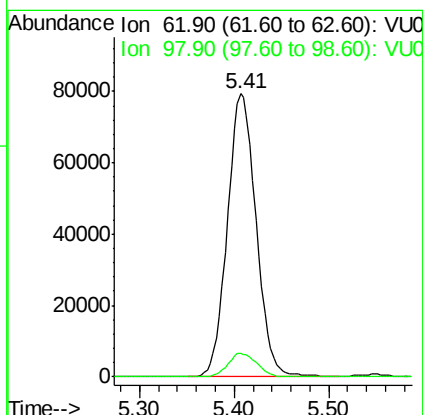
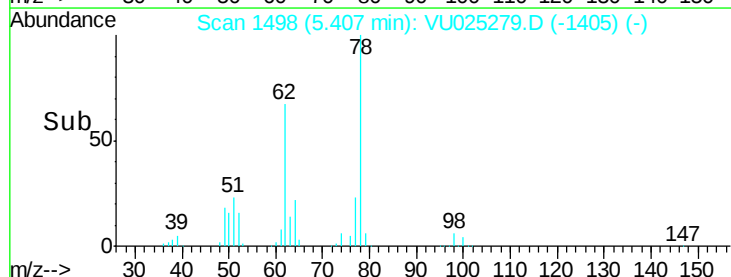
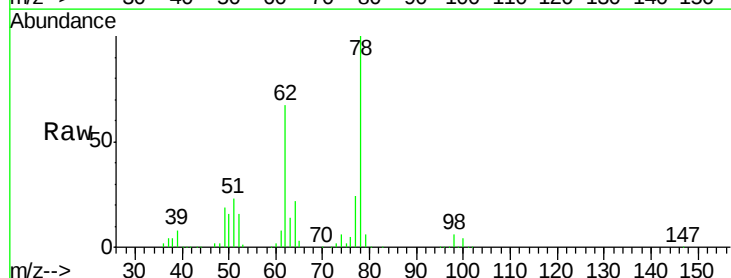
Manual Integrations
APPROVED

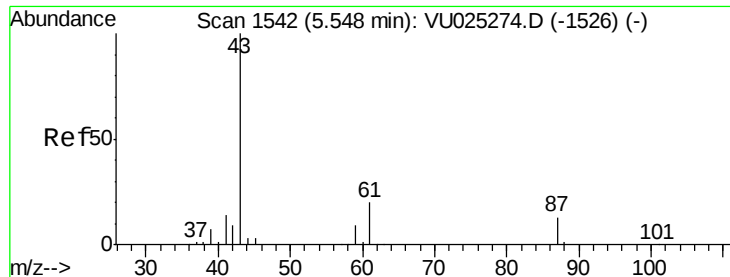
MMDadoda
7/10/2018 2:33:51 PM



#42
1,2-Dichloroethane
Concen: 45.69 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. 0.00 min
Lab File: VU025279.D
Acq: 09 Jul 2018 17:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		167506		
98	8.4	0.0	16.4		





#43

Isopropyl Acetate

Concen: 45.41 ug/l

RT: 5.55 min Scan# 1542

Delta R.T. 0.00 min

Lab File: VU025279.D

Acq: 09 Jul 2018 17:52

Instrument :

MSVOA_U

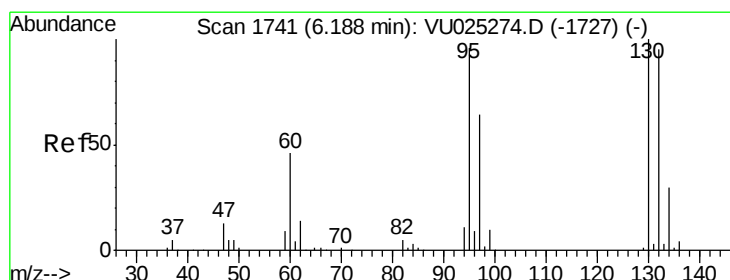
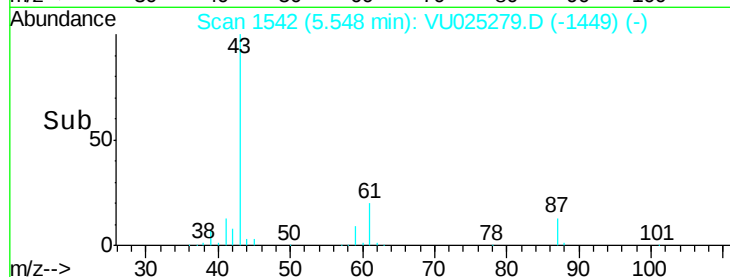
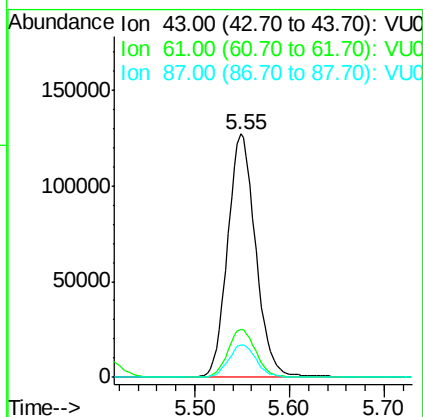
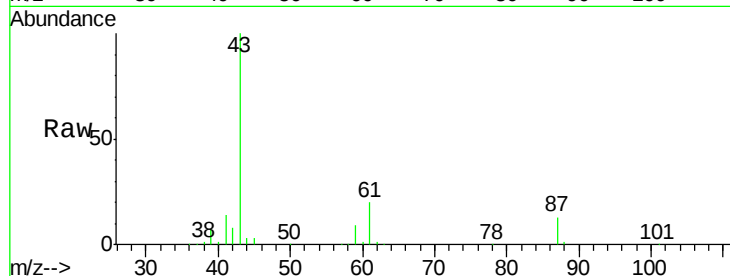
ClientSampleId :

VICVVU070918

Tot Ion:	43	Resp:	259516
Ion	Ratio	Lower	Upper
43	100		
61	19.8	15.5	23.3
87	13.4	10.6	16.0

Manual Integrations
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MMDadoda
7/10/2018 2:33:51 PM



#44

Trichloroethene

Concen: 44.64 ug/l

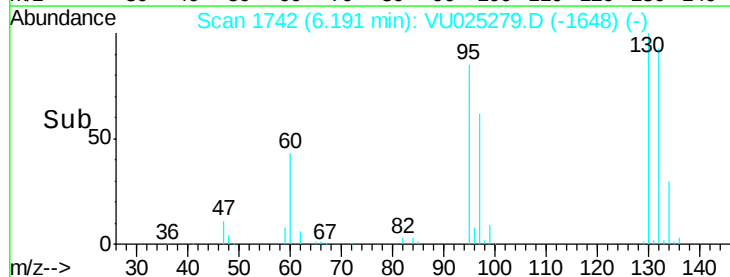
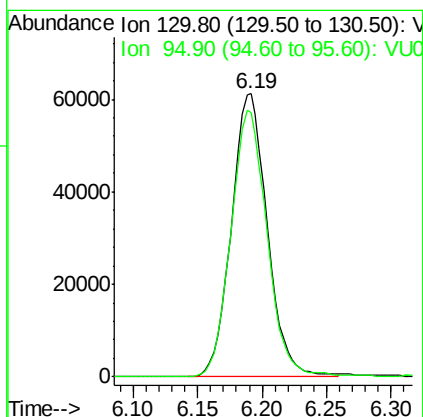
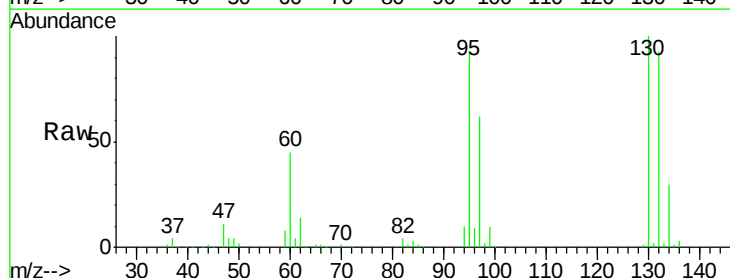
RT: 6.19 min Scan# 1742

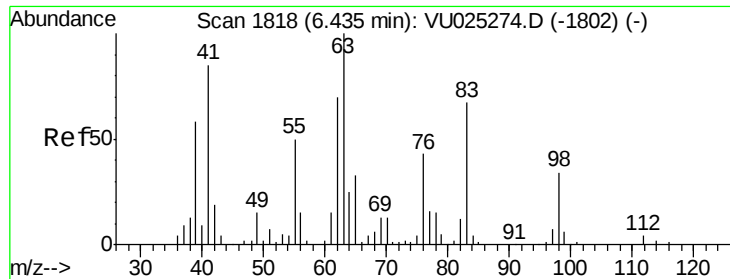
Delta R.T. 0.00 min

Lab File: VU025279.D

Acq: 09 Jul 2018 17:52

Tgt Ion:	130	Resp:	118210
Ion	Ratio	Lower	Upper
130	100		
95	93.2	0.0	192.2





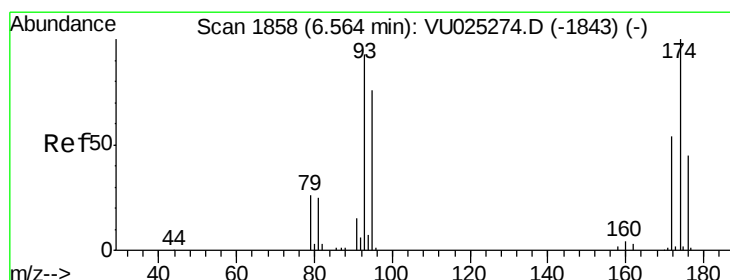
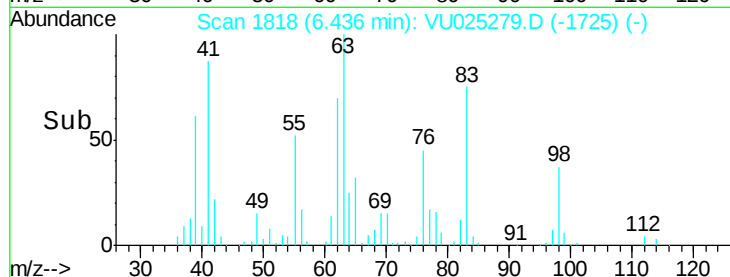
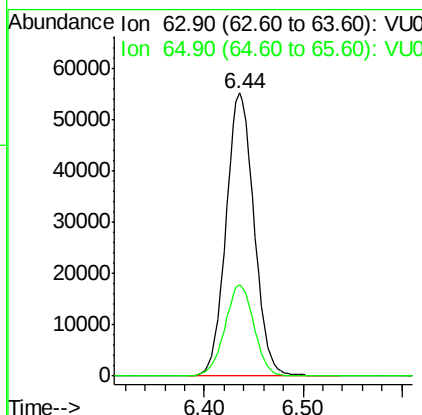
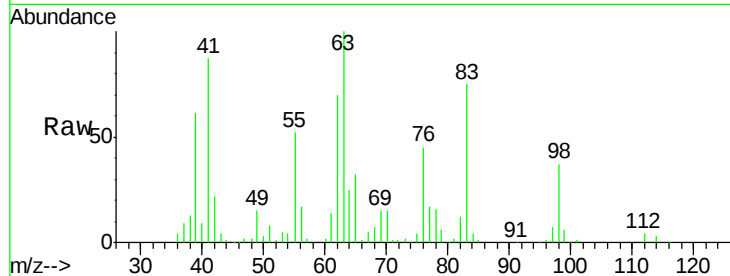
#45
 1,2-Dichloropropane
 Concen: 45.47 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU025279.D
 Acq: 09 Jul 2018 17:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VICVVU070918

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.1	26.1	39.1

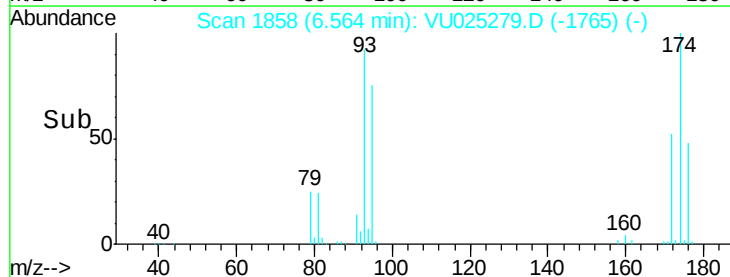
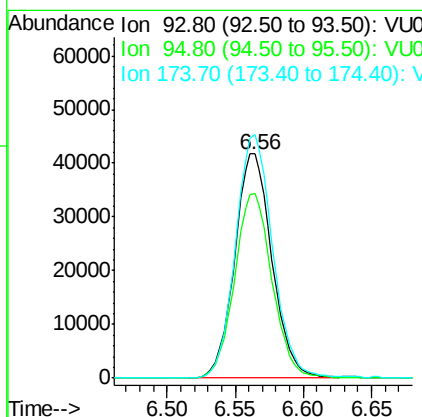
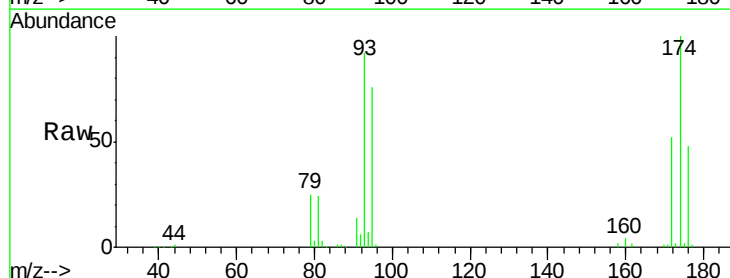
Manual Integrations
 APPROVED

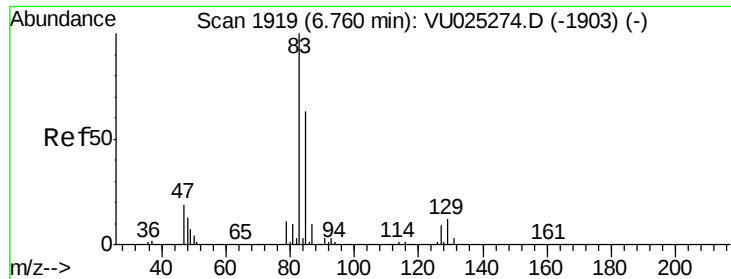
MMDadoda
 7/10/2018 2:33:51 PM



#46
 Dibromomethane
 Concen: 45.12 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU025279.D
 Acq: 09 Jul 2018 17:52

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.5	66.6	100.0
174	108.4	85.8	128.8





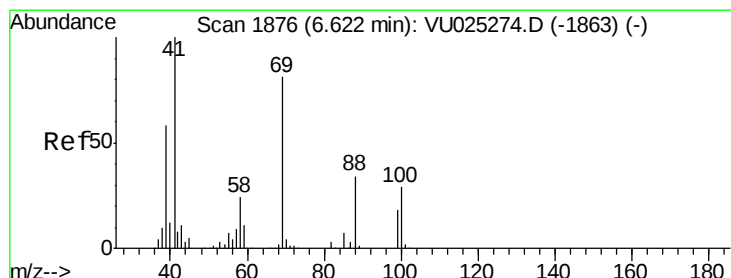
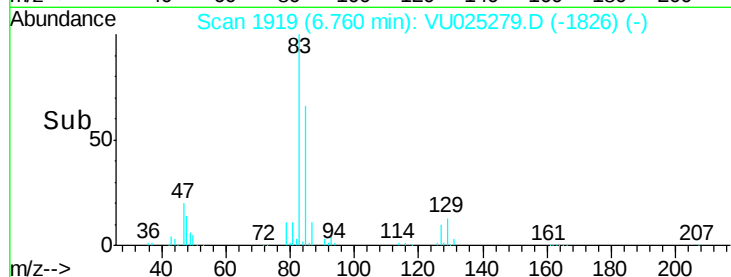
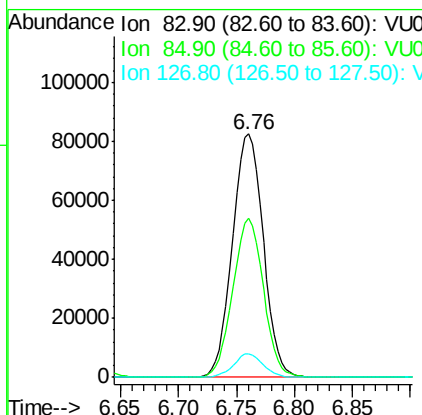
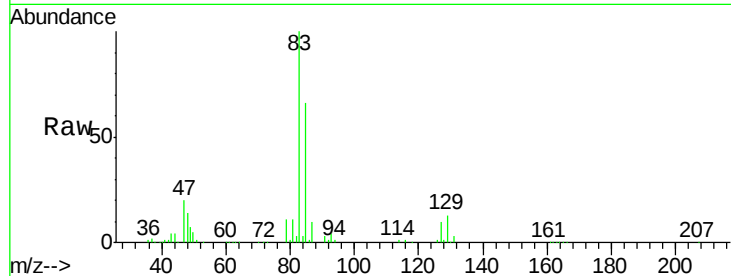
#47
Bromodichloromethane
Concen: 46.67 ug/l
RT: 6.76 min Scan# 1919
Delta R.T. 0.00 min
Lab File: VU025279.D
Acq: 09 Jul 2018 17:52

Instrument :
MSVOA_U
ClientSampleId :
VICVVU070918

Tot Ion	83	Resp	152408
Ion Ratio	100	Lower	Upper
83	100		
85	65.5	50.2	75.4
127	9.6	7.2	10.8

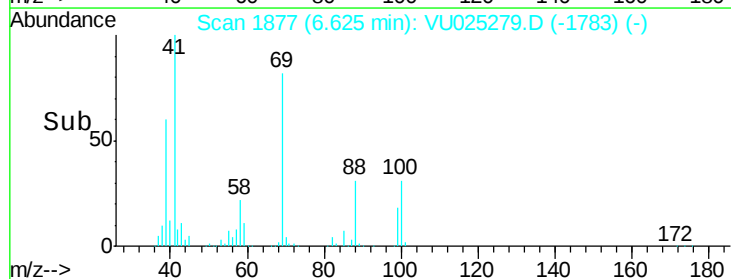
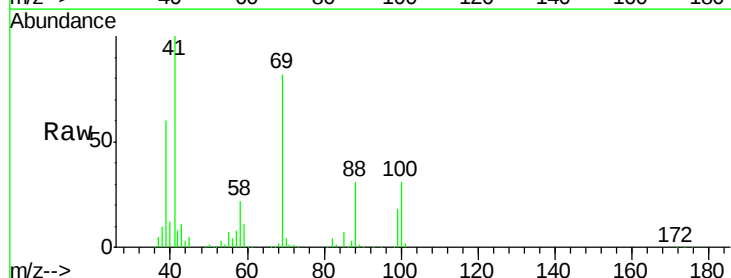
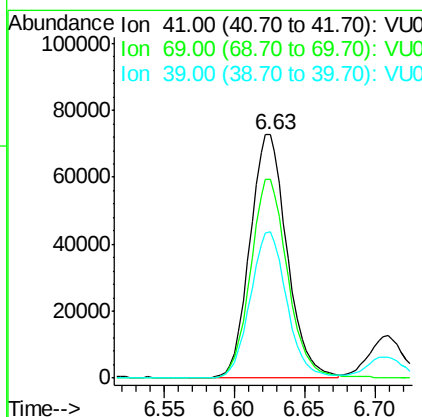
Manual Integrations
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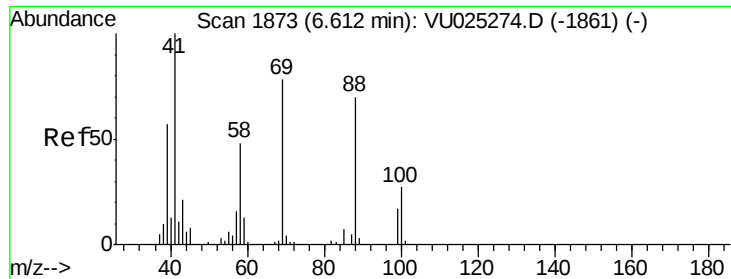
MMDadoda
7/10/2018 2:33:51 PM



#48
Methyl methacrylate
Concen: 46.68 ug/l
RT: 6.63 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VU025279.D
Acq: 09 Jul 2018 17:52

Tgt Ion	41	Resp	133013
Ion Ratio	100	Lower	Upper
41	100		
69	81.7	65.0	97.4
39	58.7	46.4	69.6





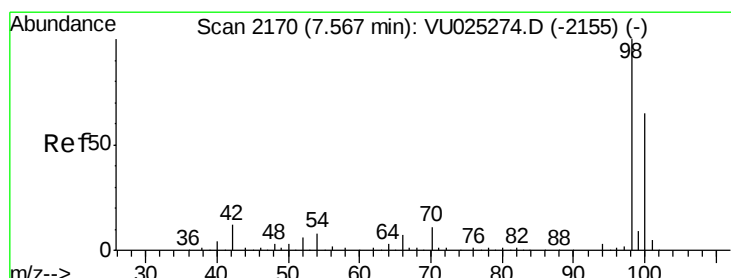
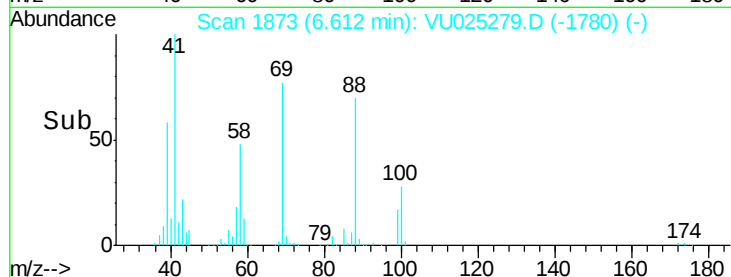
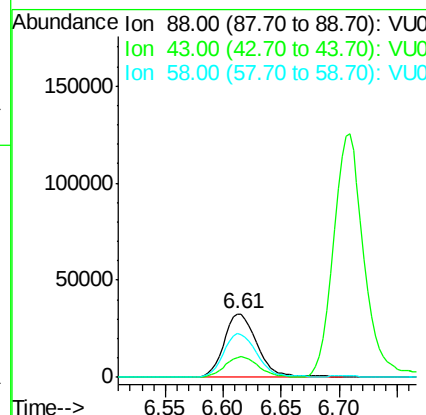
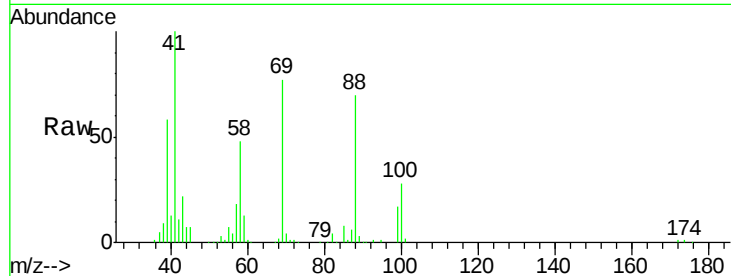
#49
1,4-Dioxane
Concen: 931.08 ug/l
RT: 6.61 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VU025279.D
Acq: 09 Jul 2018 17:52

Instrument :
MSVOA_U
ClientSampleId :
VICVVU070918

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.6	27.3	40.9
58	71.0	57.6	86.4

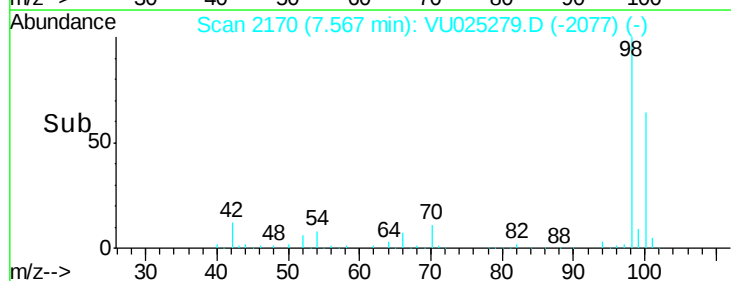
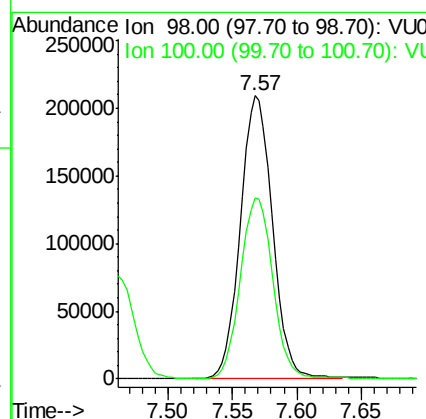
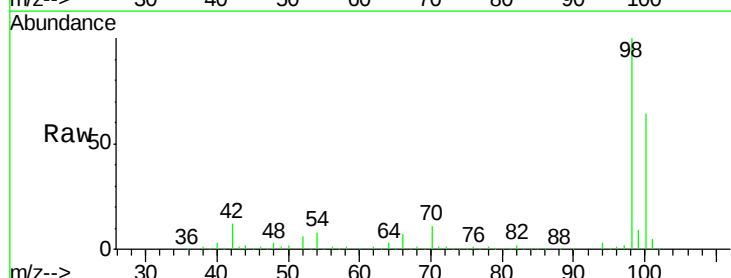
Manual Integrations
APPROVED

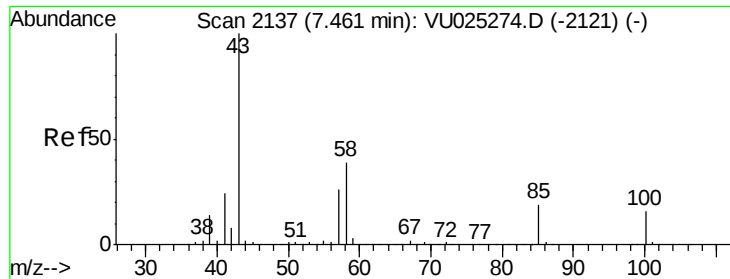
MMDadoda
7/10/2018 2:33:51 PM



#50
Toluene-d8
Concen: 43.68 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU025279.D
Acq: 09 Jul 2018 17:52

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 225.56 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. 0.00 min

Lab File: VU025279.D

Acq: 09 Jul 2018 17:52

Instrument :

MSVOA_U

ClientSampleId :

VICVVU070918

Tot Ion: 43 Resp: 837913

Ion Ratio Lower Upper

43 100

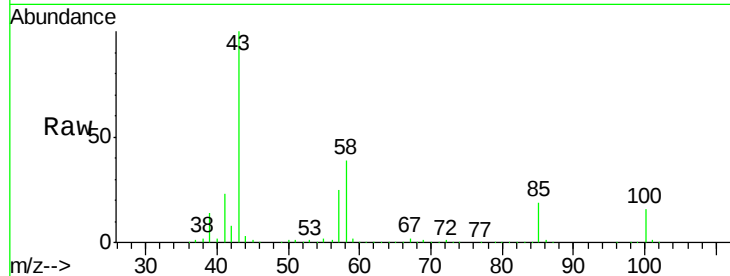
58 38.8 31.0 46.4

Manual Integrations

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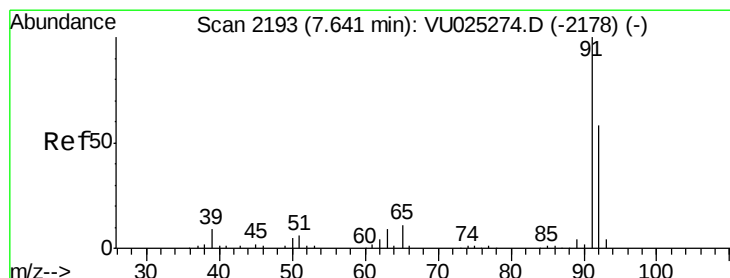
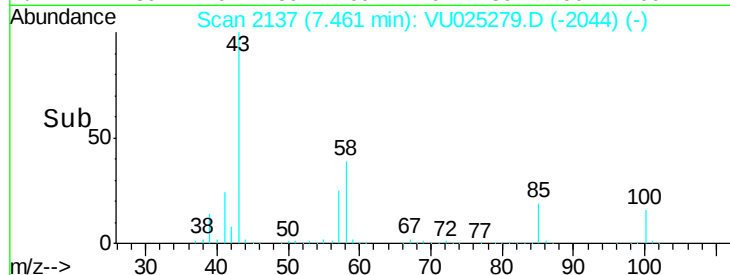
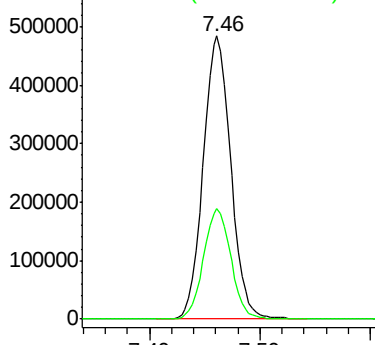
MMDadoda

7/10/2018 2:33:51 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 46.28 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025279.D

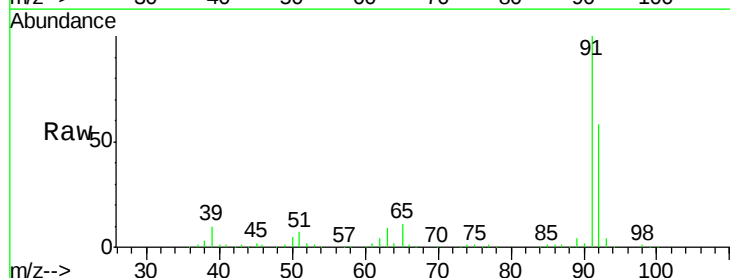
Acq: 09 Jul 2018 17:52

Tgt Ion: 92 Resp: 271533

Ion Ratio Lower Upper

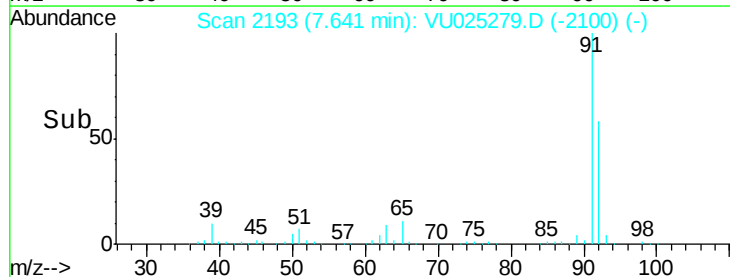
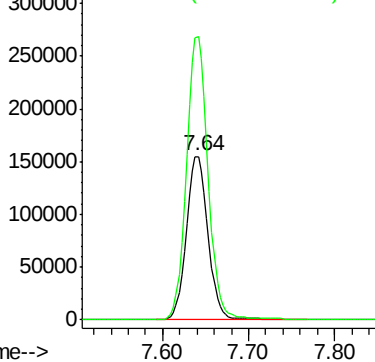
92 100

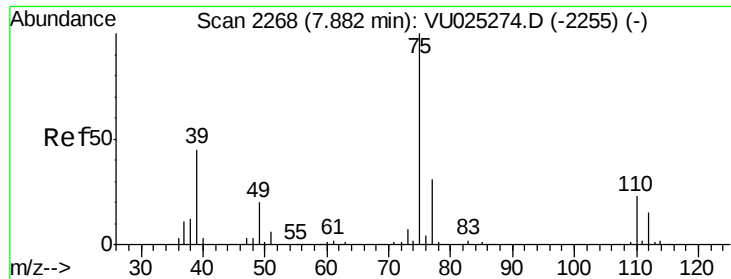
91 172.8 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





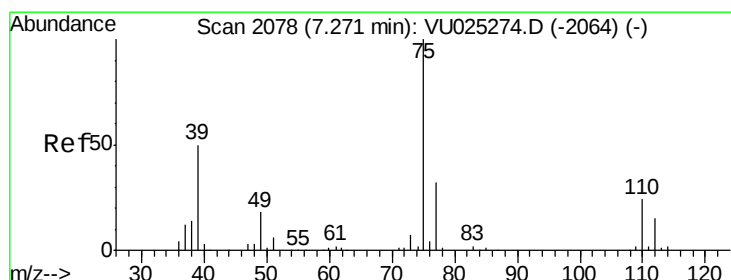
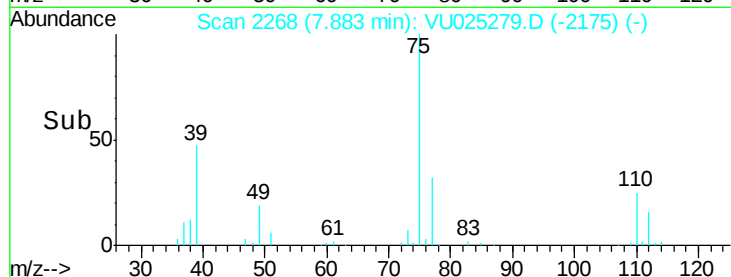
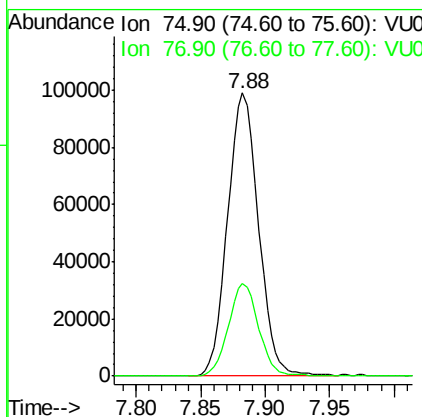
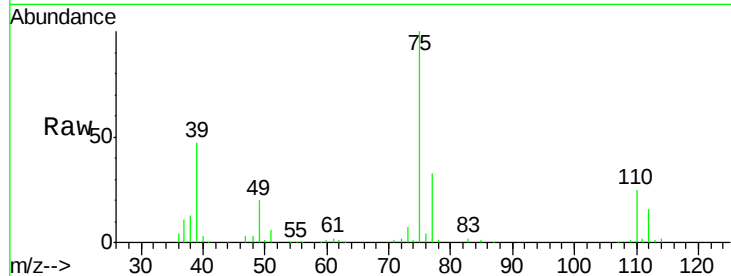
#53
t-1,3-Dichloropropene
Concen: 46.08 ug/l
RT: 7.88 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VU025279.D
Acq: 09 Jul 2018 17:52

Instrument :
MSVOA_U
ClientSampleId :
VICVVU070918

Tot Ion: 75 Resp: 165344
Ion Ratio Lower Upper
75 100
77 32.5 24.5 36.7

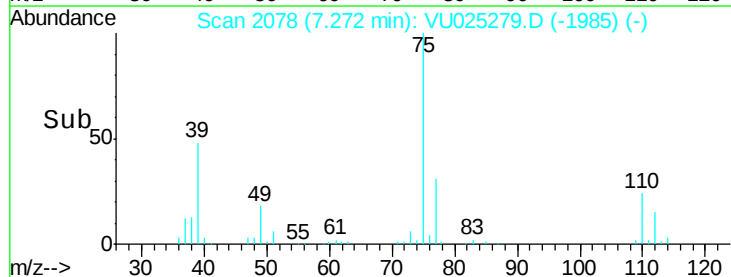
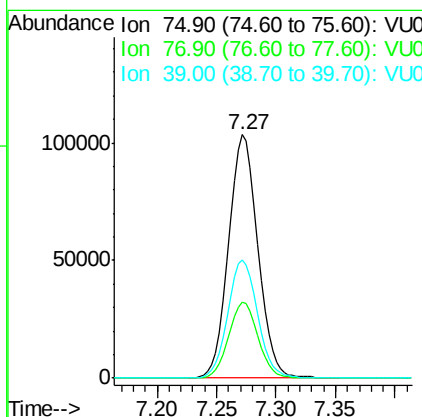
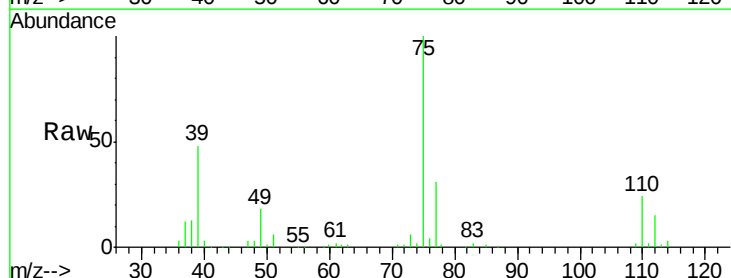
Manual Integrations
APPROVED

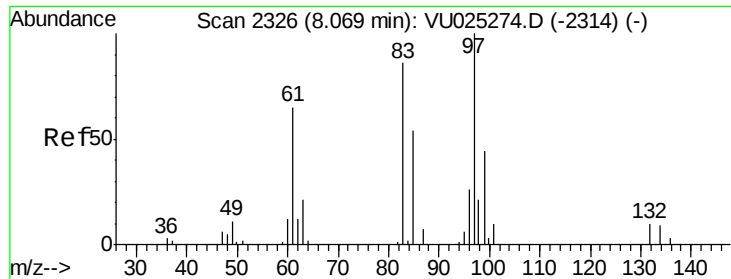
MMDadoda
7/10/2018 2:33:51 PM



#54
cis-1,3-Dichloropropene
Concen: 46.32 ug/l
RT: 7.27 min Scan# 2078
Delta R.T. 0.00 min
Lab File: VU025279.D
Acq: 09 Jul 2018 17:52

Tgt Ion: 75 Resp: 176892
Ion Ratio Lower Upper
75 100
77 31.0 25.6 38.4
39 48.4 40.0 60.0





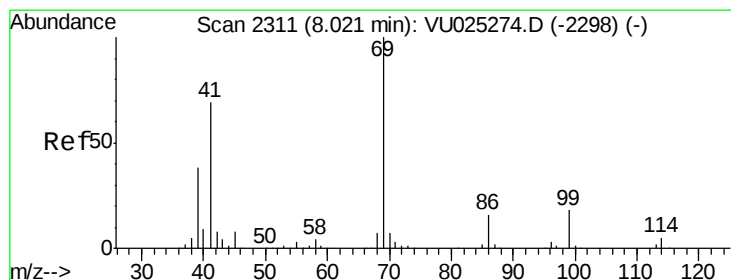
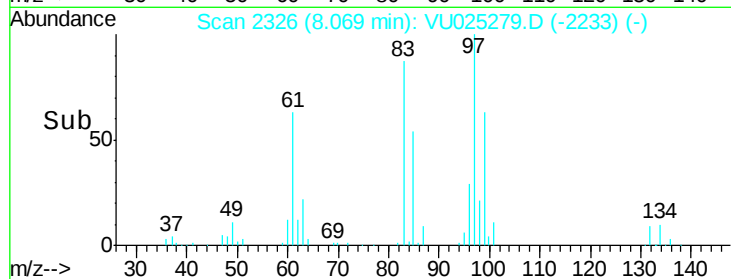
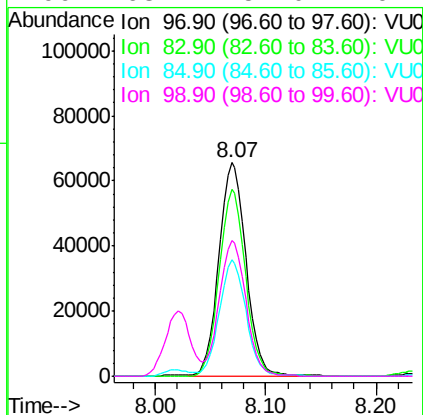
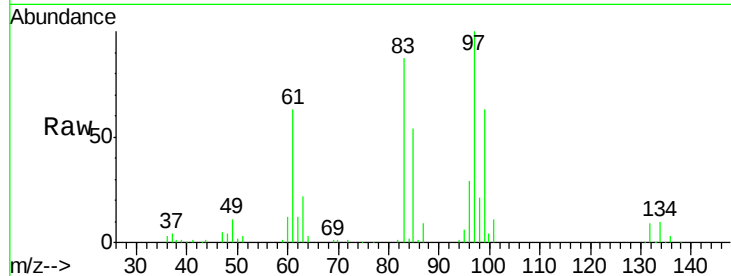
#55
 1,1,2-Trichloroethane
 Concen: 45.58 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025279.D
 Acq: 09 Jul 2018 17:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VICVVU070918

Tot Ion:	97	Resp:	111383
Ion	Ratio	Lower	Upper
97	100		
83	87.4	68.9	103.3
85	54.3	44.4	66.6
99	63.4	51.0	76.4

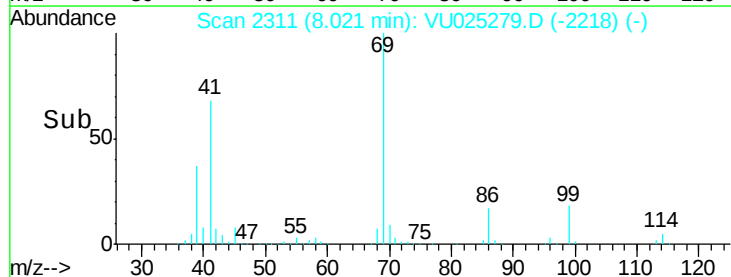
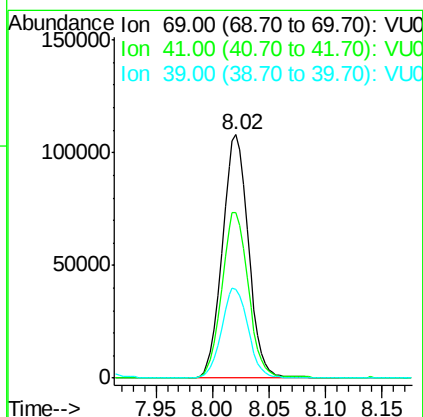
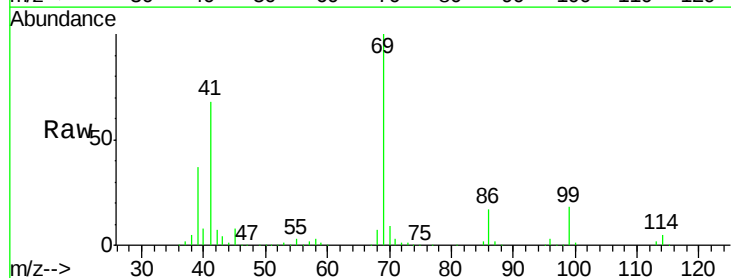
Manual Integrations
 APPROVED

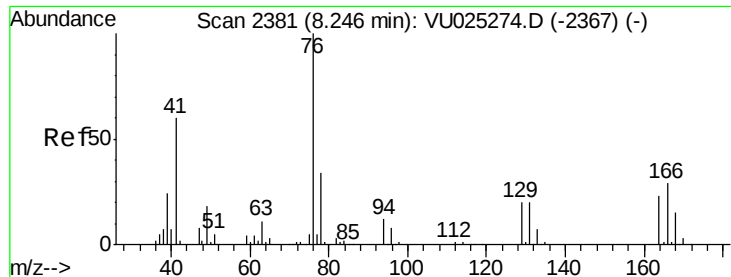
MMDadoda
 7/10/2018 2:33:51 PM



#56
 Ethyl methacrylate
 Concen: 45.58 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025279.D
 Acq: 09 Jul 2018 17:52

Tgt Ion:	69	Resp:	173957
Ion	Ratio	Lower	Upper
69	100		
41	68.4	54.8	82.2
39	37.4	31.1	46.7





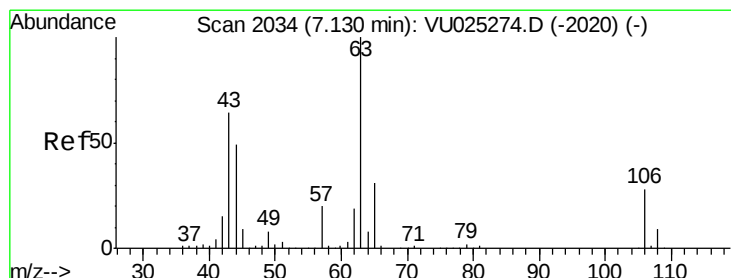
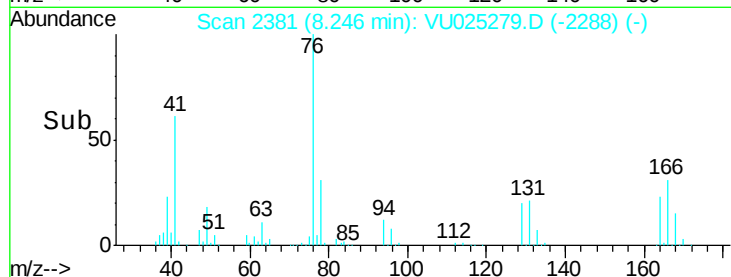
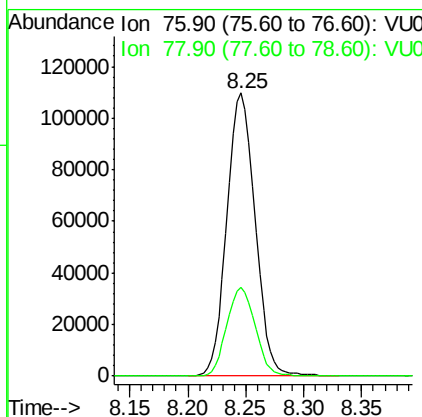
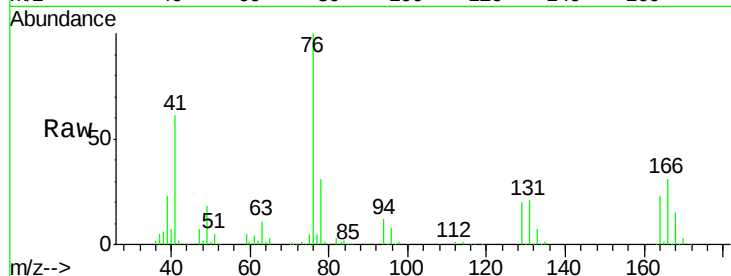
#57
 1,3-Dichloropropane
 Concen: 45.62 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU025279.D
 Acq: 09 Jul 2018 17:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VICVVU070918

Tot Ion: 76 Resp: 185049
 Ion Ratio Lower Upper
 76 100
 78 31.6 26.1 39.1

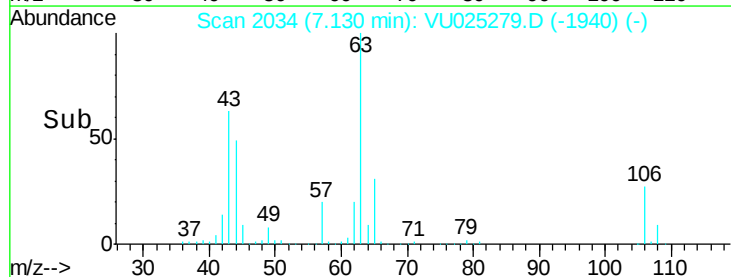
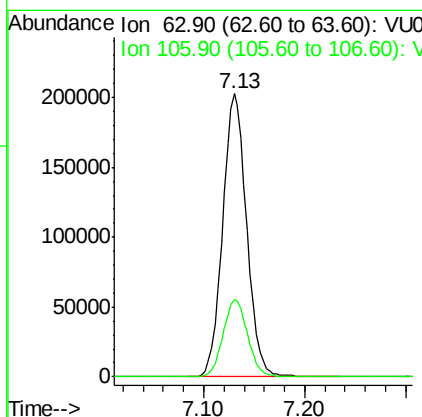
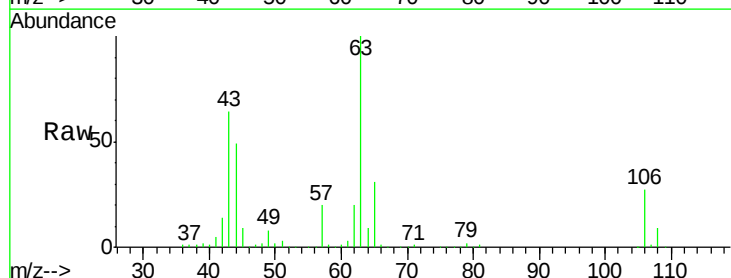
Manual Integrations
 APPROVED

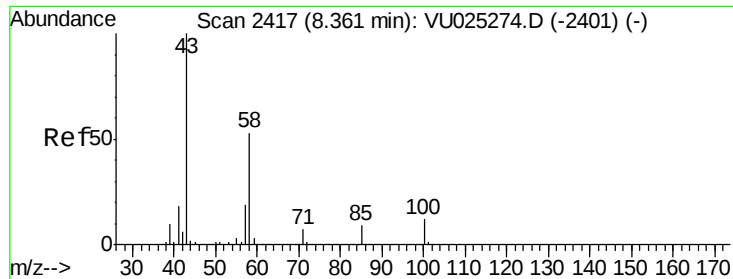
MMDadoda
 7/10/2018 2:33:51 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 196.05 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: VU025279.D
 Acq: 09 Jul 2018 17:52

Tgt Ion: 63 Resp: 336275
 Ion Ratio Lower Upper
 63 100
 106 28.1 22.3 33.5





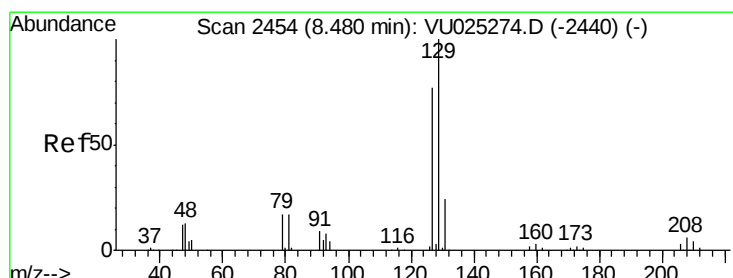
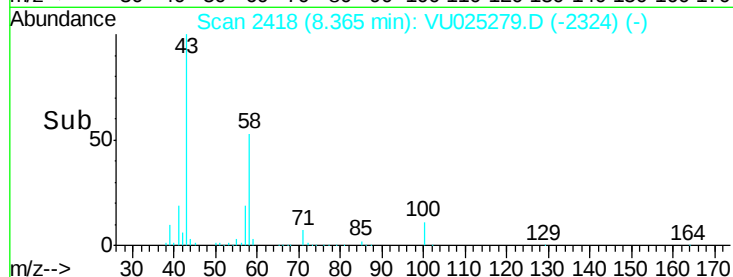
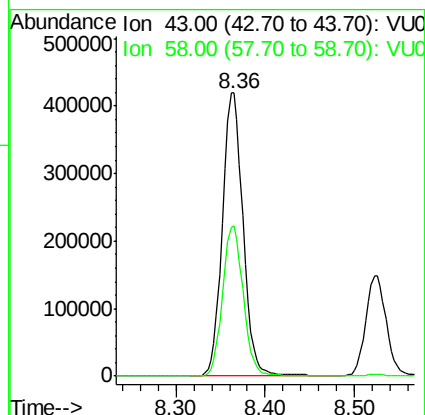
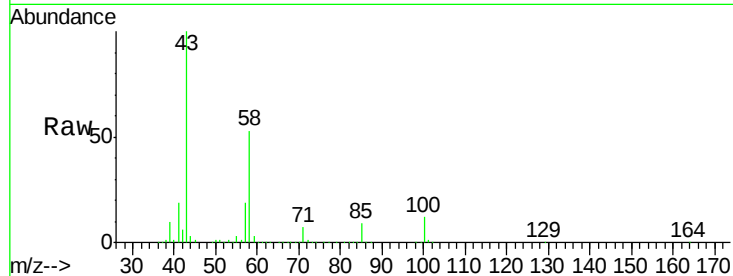
#59
2-Hexanone
Concen: 223.57 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025279.D
Acq: 09 Jul 2018 17:52

Instrument :
MSVOA_U
ClientSampleId :
VICVVU070918

Tot Ion: 43 Resp: 673650
Ion Ratio Lower Upper
43 100
58 53.3 26.2 78.5

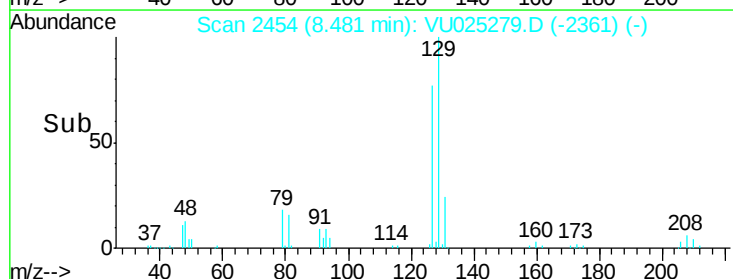
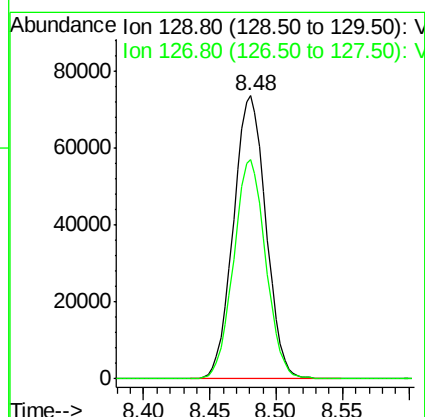
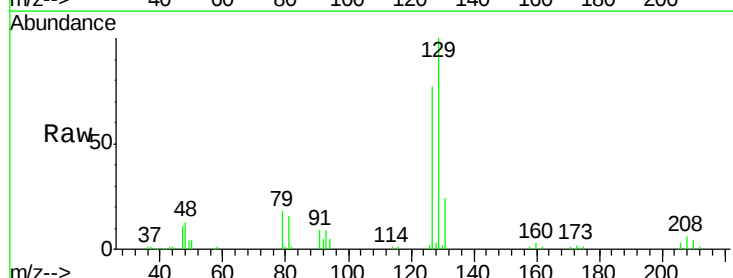
Manual Integrations
APPROVED

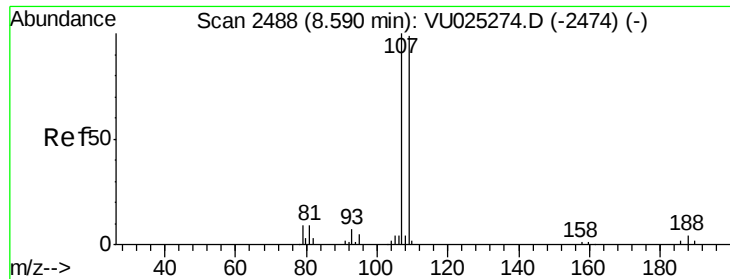
MMDadoda
7/10/2018 2:33:51 PM



#60
Dibromochloromethane
Concen: 47.67 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025279.D
Acq: 09 Jul 2018 17:52

Tgt Ion: 129 Resp: 125816
Ion Ratio Lower Upper
129 100
127 76.3 38.6 115.8





#61

1,2-Dibromoethane

Concen: 46.08 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025279.D

Acq: 09 Jul 2018 17:52

Instrument :

MSVOA_U

ClientSampleId :

VICVVU070918

Tot Ion:107 Resp: 120489

Ion Ratio Lower Upper

107 100

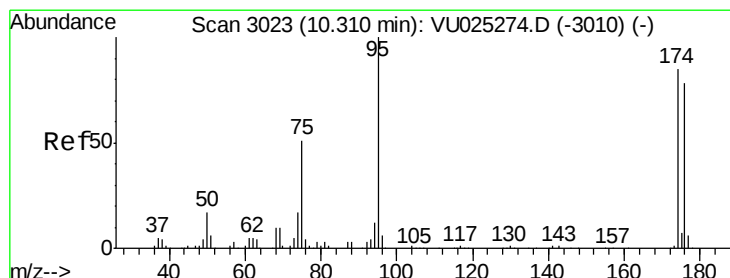
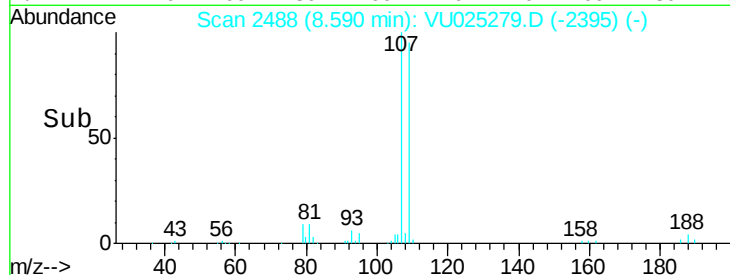
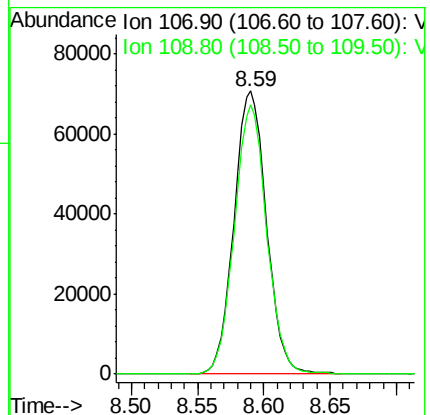
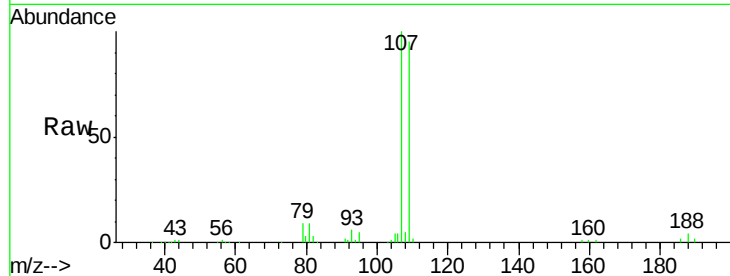
109 94.6 75.8 113.8

Manual Integrations

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MMDadoda

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#62

4-Bromofluorobenzene

Concen: 44.40 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025279.D

Acq: 09 Jul 2018 17:52

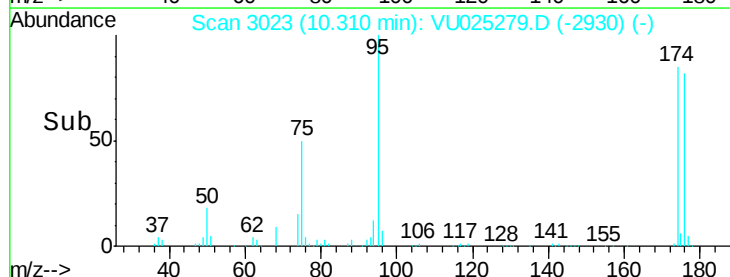
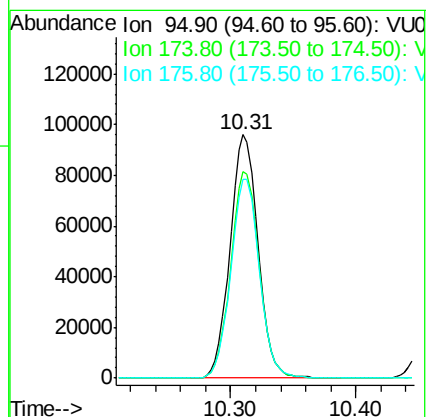
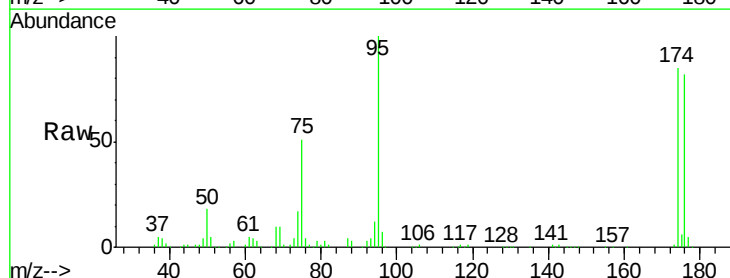
Tgt Ion: 95 Resp: 148638

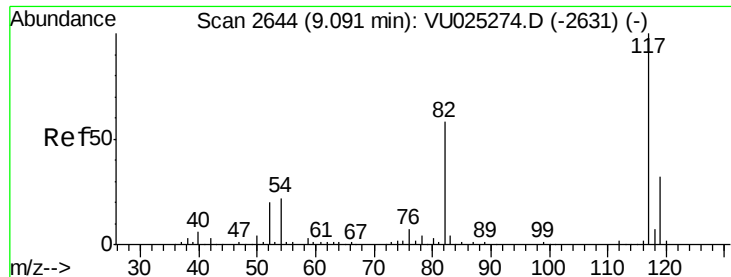
Ion Ratio Lower Upper

95 100

174 86.0 0.0 172.2

176 83.3 0.0 162.6





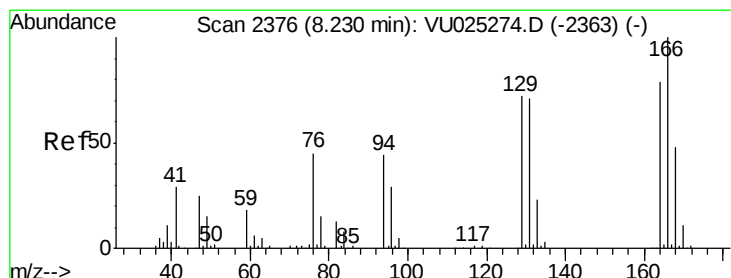
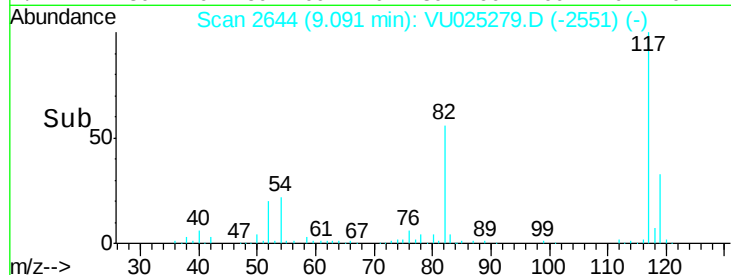
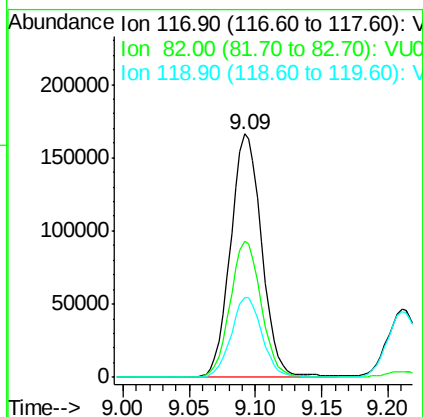
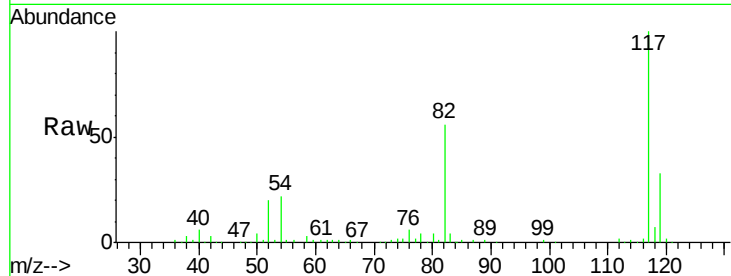
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VU025279.D
Acq: 09 Jul 2018 17:52

Instrument :
MSVOA_U
ClientSampleId :
VICVVU070918

Tot Ion	Ratio	Resp	Lower	Upper
117	100	271709		
82	56.1	46.0	69.0	
119	32.9	26.0	39.0	

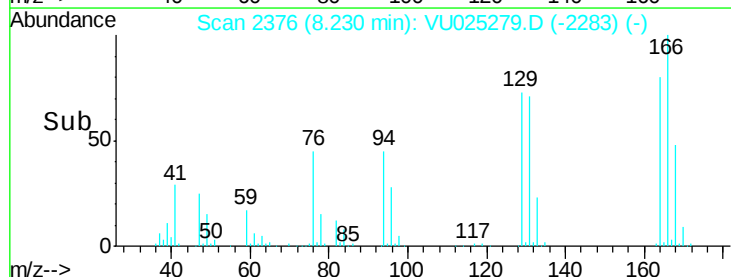
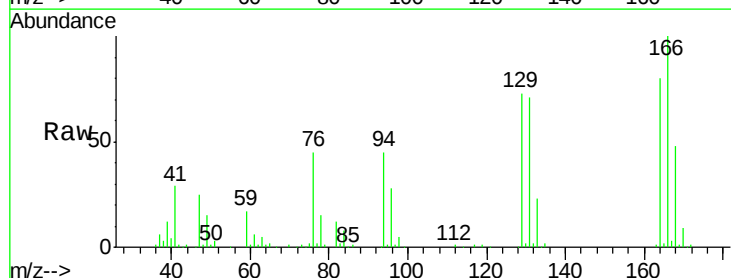
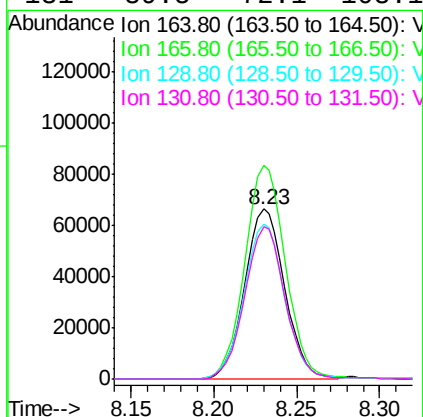
Manual Integrations
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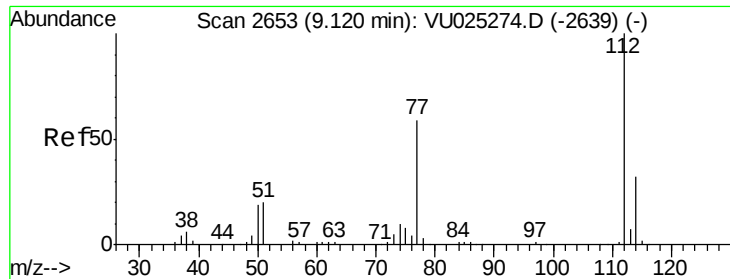
MMDadoda
7/10/2018 2:33:51 PM



#64
Tetrachloroethene
Concen: 44.91 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025279.D
Acq: 09 Jul 2018 17:52

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	111229		
166	125.8	101.1	151.7	
129	91.5	73.0	109.6	
131	89.5	72.1	108.1	





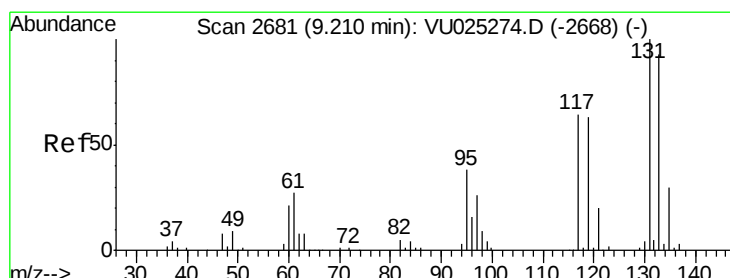
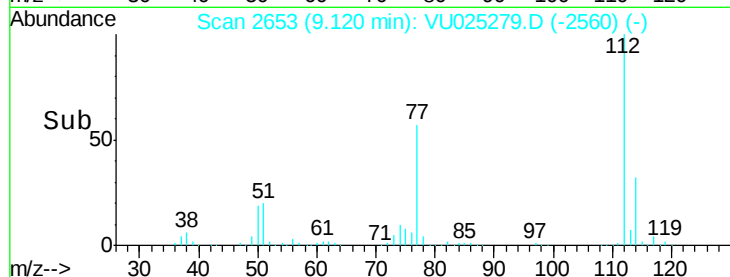
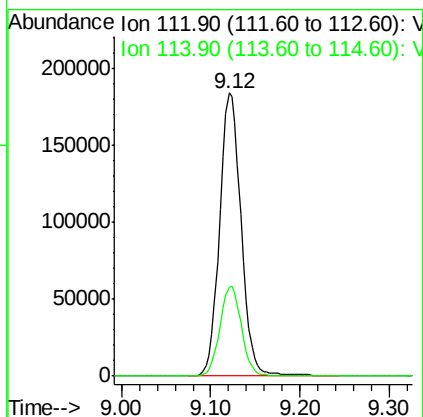
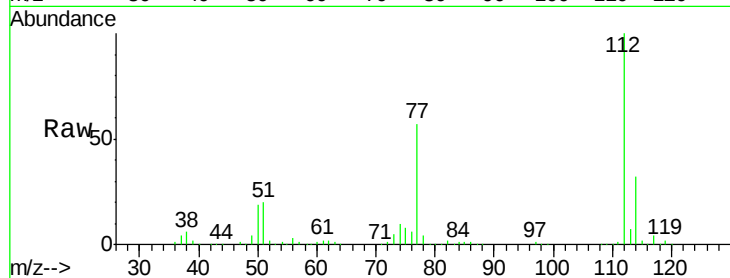
#65
Chlorobenzene
Concen: 45.21 ug/l
RT: 9.12 min Scan# 2653
Delta R.T. 0.00 min
Lab File: VU025279.D
Acq: 09 Jul 2018 17:52

Instrument :
MSVOA_U
ClientSampleId :
VICVVU070918

Tot Ion:112 Resp: 306833
Ion Ratio Lower Upper
112 100
114 31.6 25.8 38.8

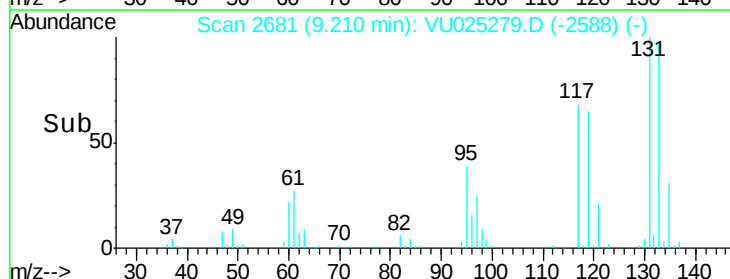
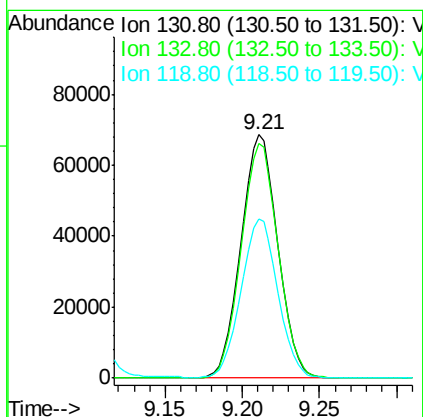
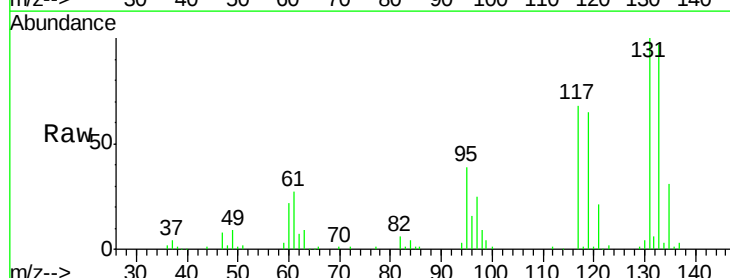
Manual Integrations
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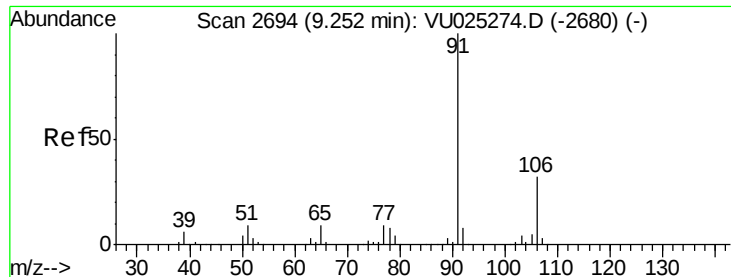
MMDadoda
7/10/2018 2:33:51 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 46.85 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU025279.D
Acq: 09 Jul 2018 17:52

Tgt Ion:131 Resp: 113744
Ion Ratio Lower Upper
131 100
133 96.8 47.8 143.3
119 65.3 31.6 95.0





#67

Ethyl Benzene

Concen: 45.38 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025279.D

Acq: 09 Jul 2018 17:52

Instrument :

MSVOA_U

ClientSampleId :

VICVVU070918

Tot Ion: 91 Resp: 525107

Ion Ratio Lower Upper

91 100

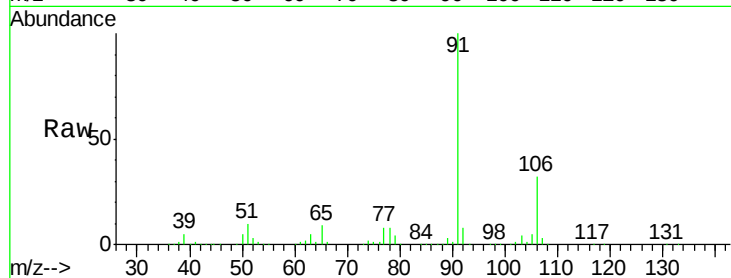
106 31.5 25.3 37.9

Manual Integrations

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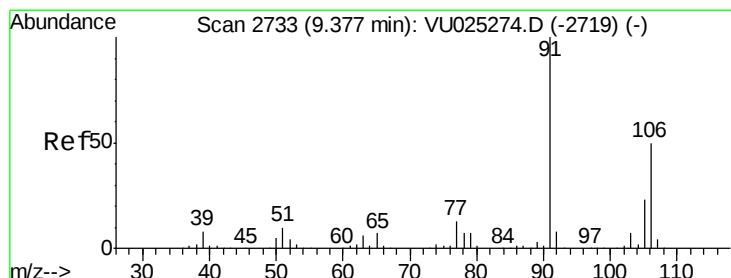
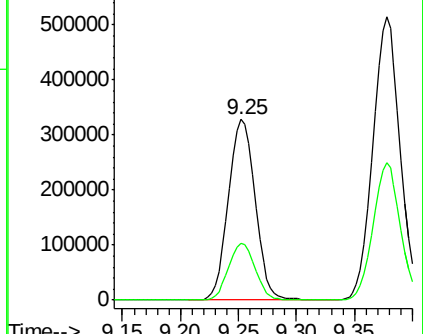
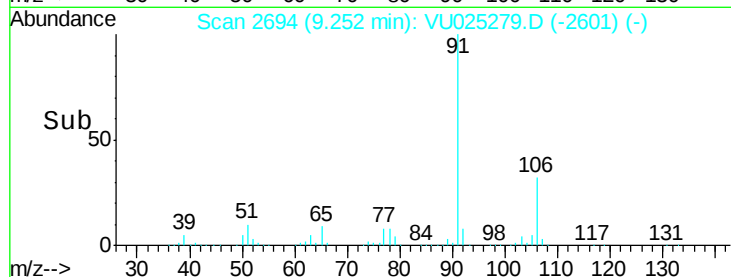
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VU025279.D (-2601) (-)

Ion 106.00 (105.70 to 106.70): VU025279.D (-2601) (-)



#68

m/p-Xylenes

Concen: 91.76 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU025279.D

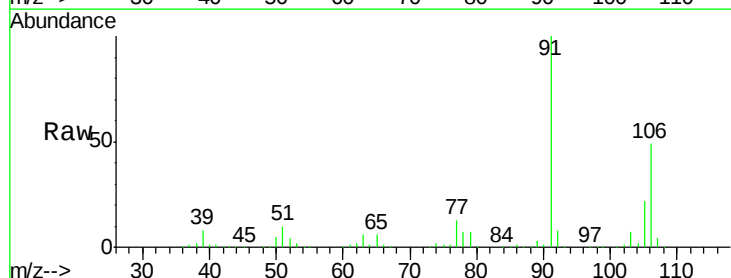
Acq: 09 Jul 2018 17:52

Tgt Ion: 106 Resp: 410518

Ion Ratio Lower Upper

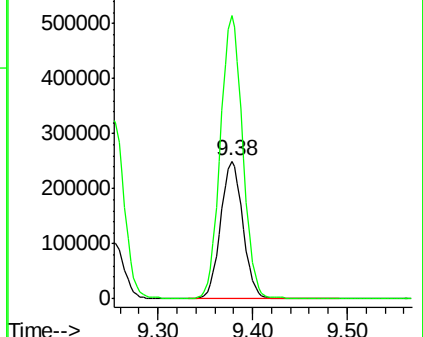
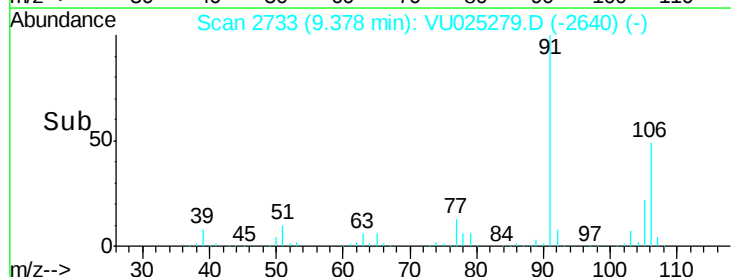
106 100

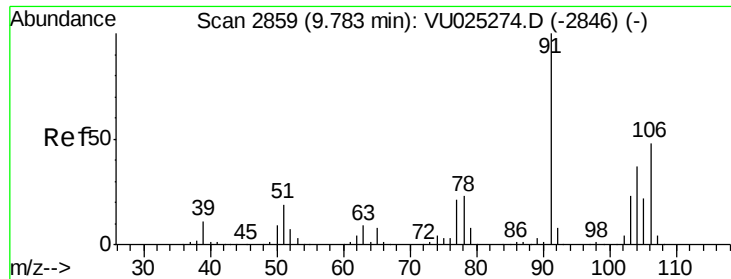
91 205.2 162.3 243.5



Abundance Ion 106.00 (105.70 to 106.70): VU025279.D (-2640) (-)

Ion 91.00 (90.70 to 91.70): VU025279.D (-2640) (-)





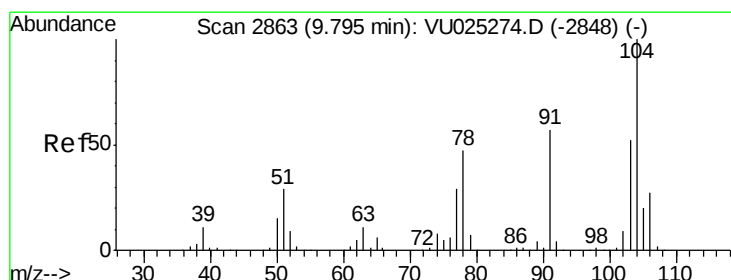
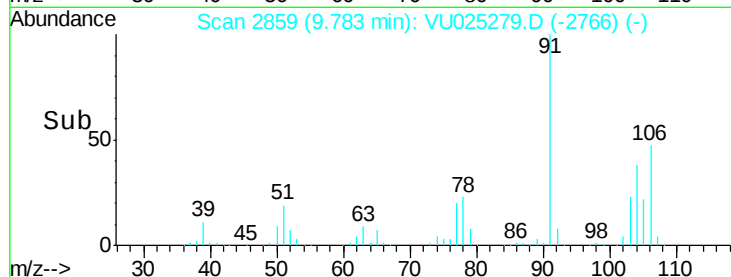
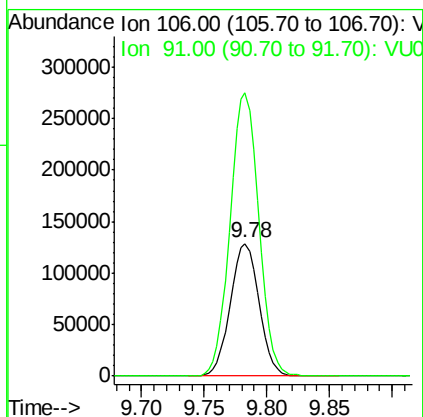
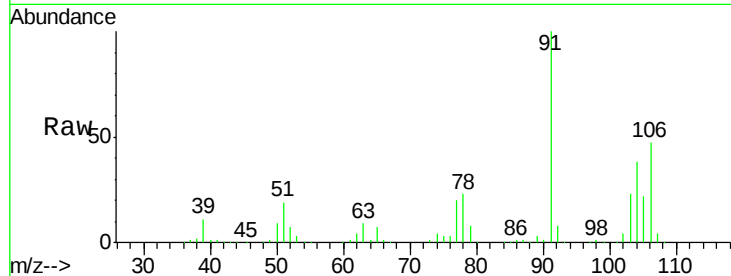
#69
o-Xylene
Concen: 45.76 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025279.D
Acq: 09 Jul 2018 17:52

Instrument :
MSVOA_U
ClientSampleId :
VICVVU070918

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		204967		
91	213.6	105.3	315.8		

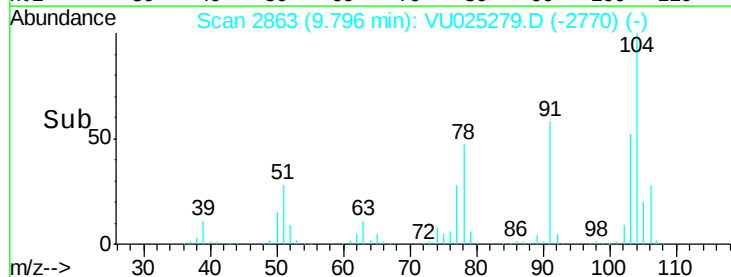
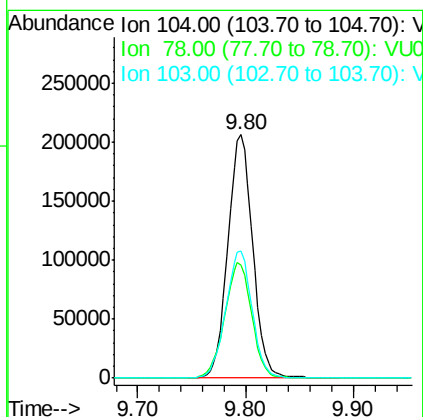
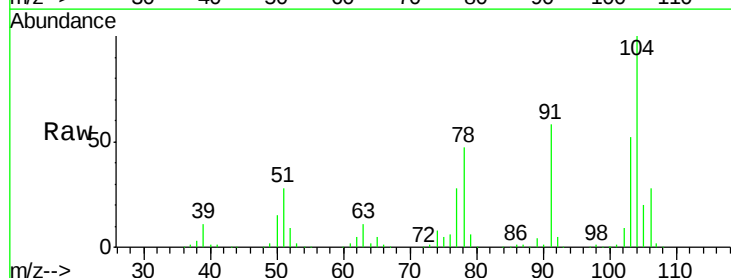
Manual Integrations
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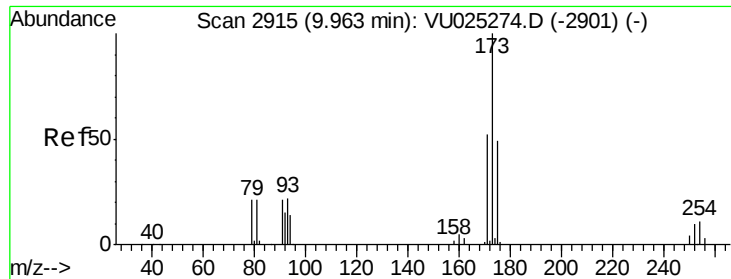
MMDadoda
7/10/2018 2:33:51 PM



#70
Styrene
Concen: 46.73 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025279.D
Acq: 09 Jul 2018 17:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		332484		
78	51.3	41.6	62.4		
103	55.2	44.6	66.8		





#71

Bromoform

Concen: 42.94 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025279.D

Acq: 09 Jul 2018 17:52

Instrument :

MSVOA_U

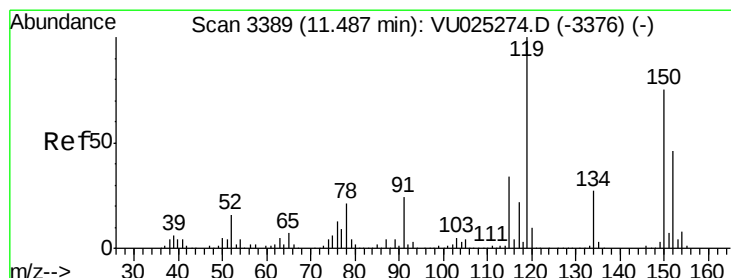
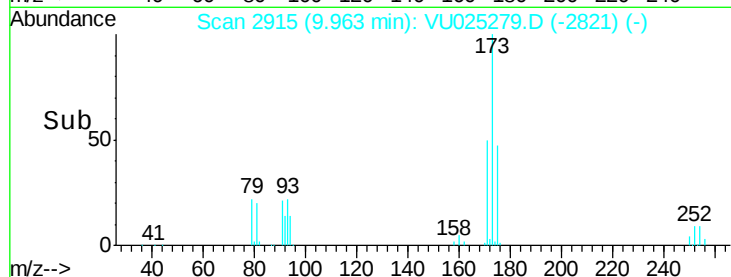
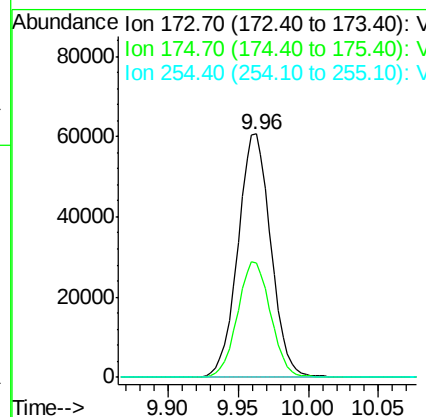
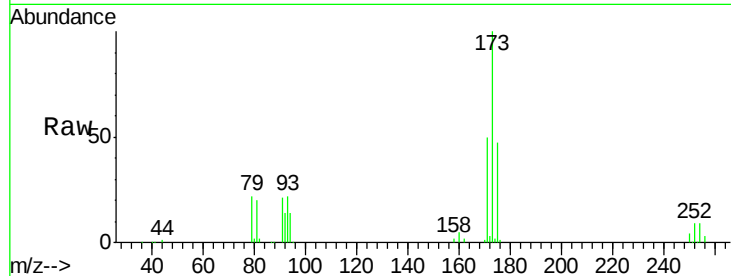
ClientSampleId :

VICVVU070918

Tot Ion:	173	Resp:	99117
Ion Ratio	Lower	Upper	
173	100		
175	47.9	24.0	72.0
254	0.0	0.0	0.0

Manual Integrations
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7/10/2018 2:33:51 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

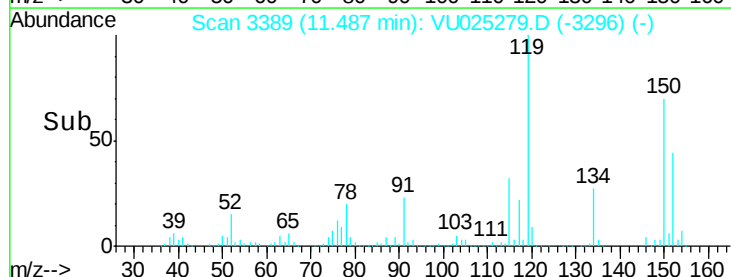
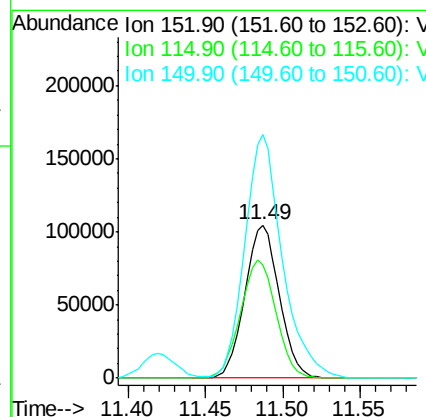
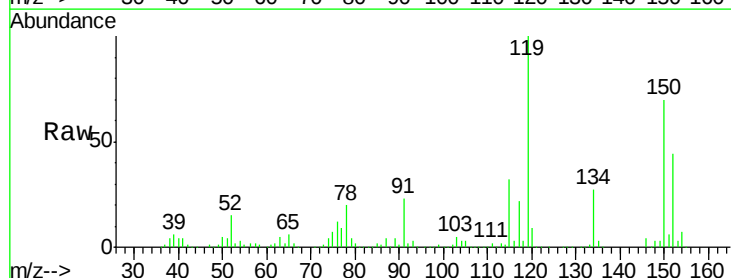
RT: 11.49 min Scan# 3389

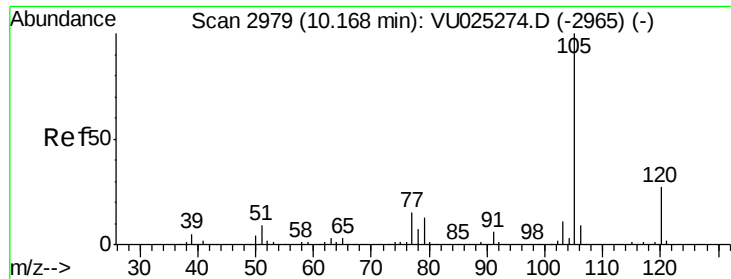
Delta R.T. 0.00 min

Lab File: VU025279.D

Acq: 09 Jul 2018 17:52

Tgt Ion:	152	Resp:	161352
Ion Ratio	Lower	Upper	
152	100		
115	80.1	40.1	120.3
150	174.0	0.0	351.4





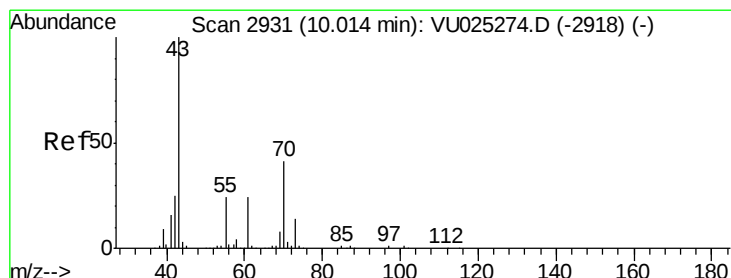
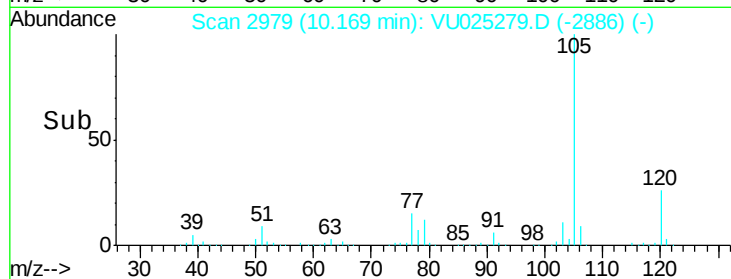
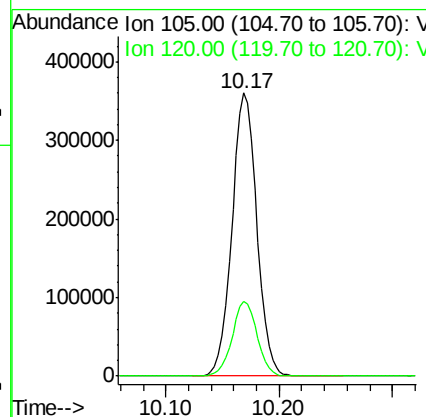
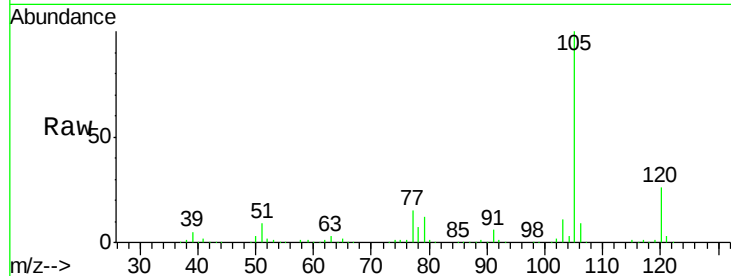
#73
Isopropylbenzene
Concen: 44.47 ug/l
RT: 10.17 min Scan# 2979
Delta R.T. 0.00 min
Lab File: VU025279.D
Acq: 09 Jul 2018 17:52

Instrument :
MSVOA_U
ClientSampleId :
VICVVU070918

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.5	40.5

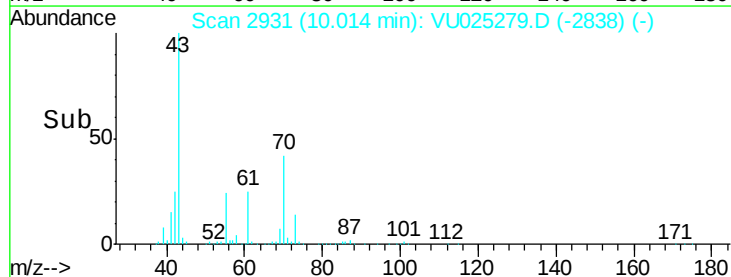
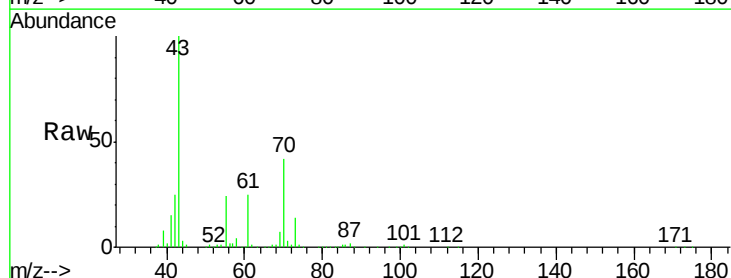
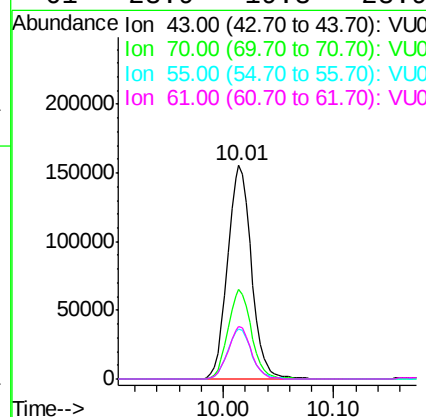
Manual Integrations
APPROVED

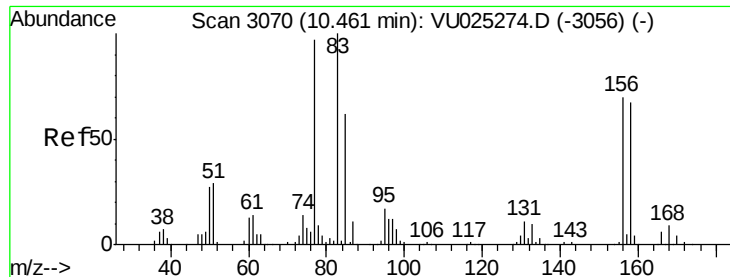
MMDadoda
7/10/2018 2:33:51 PM



#74
N-ethyl acetate
Concen: 46.38 ug/l
RT: 10.01 min Scan# 2931
Delta R.T. 0.00 min
Lab File: VU025279.D
Acq: 09 Jul 2018 17:52

Tgt Ion	Ratio	Lower	Upper
43	100		
70	41.3	33.4	50.2
55	23.8	19.0	28.6
61	23.9	19.3	28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 44.90 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025279.D

Acq: 09 Jul 2018 17:52

Instrument :

MSVOA_U

ClientSampleId :

VICVVU070918

Tot Ion: 83 Resp: 181077

Ion Ratio Lower Upper

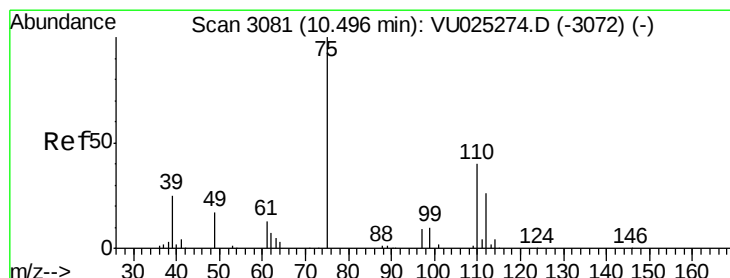
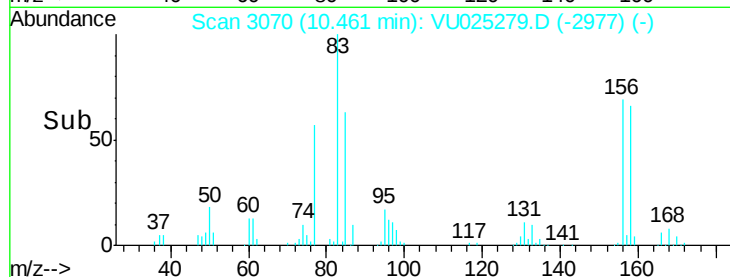
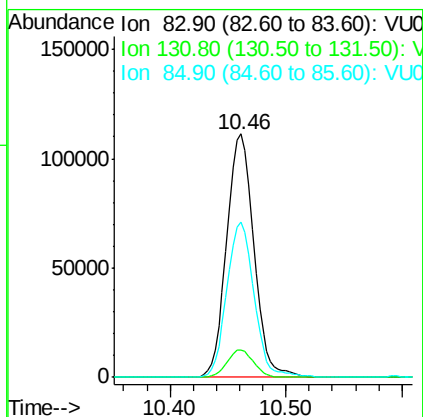
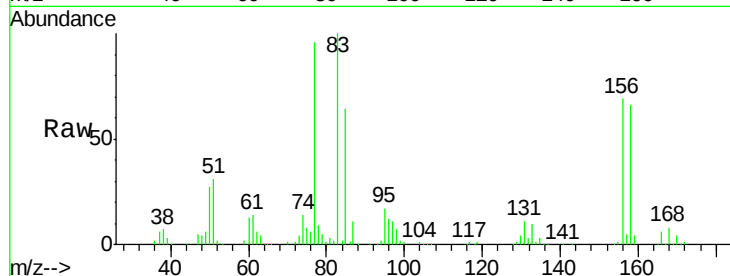
83 100

131 10.8 5.5 16.4

85 63.9 31.6 94.8

Manual Integrations
APPROVED

MMDadoda
7/10/2018 2:33:51 PM



#76

1,2,3-Trichloropropane

Concen: 47.33 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025279.D

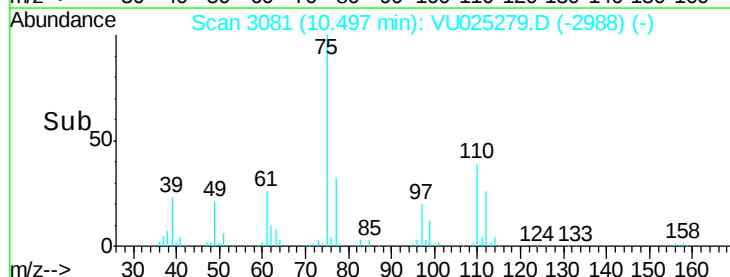
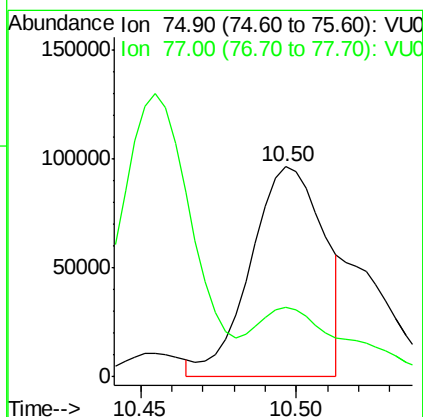
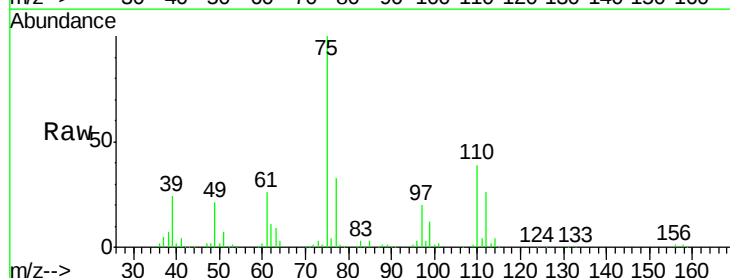
Acq: 09 Jul 2018 17:52

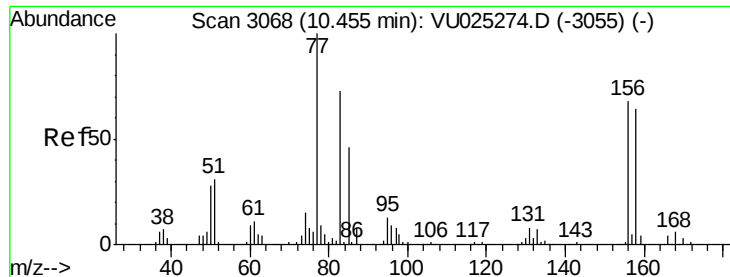
Tgt Ion: 75 Resp: 157537

Ion Ratio Lower Upper

75 100

77 43.7 20.4 61.3





#77

Bromobenzene

Concen: 45.13 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025279.D

Acq: 09 Jul 2018 17:52

Instrument :

MSVOA_U

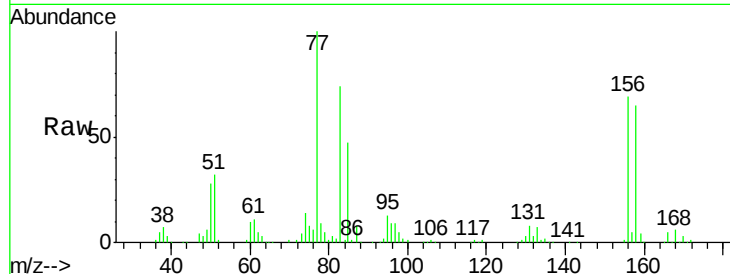
ClientSampleId :

VICVVU070918

Tot Ion	Ratio	Lower	Upper
156	100		
77	146.4	73.8	221.4
158	95.7	48.0	144.0

Manual Integrations
APPROVED

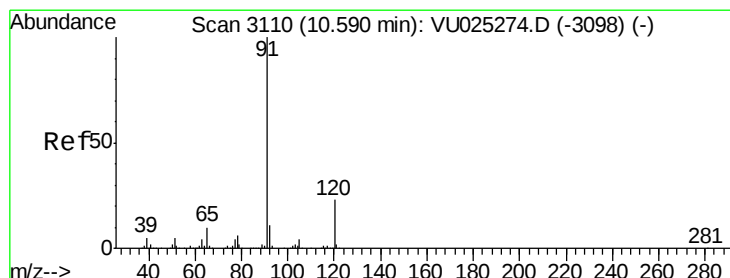
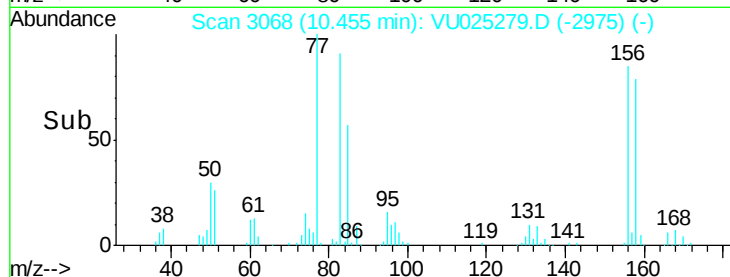
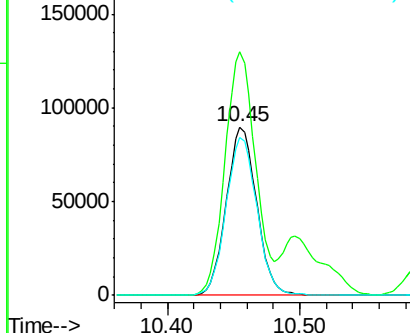
MMDadoda
7/10/2018 2:33:51 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 45.31 ug/l

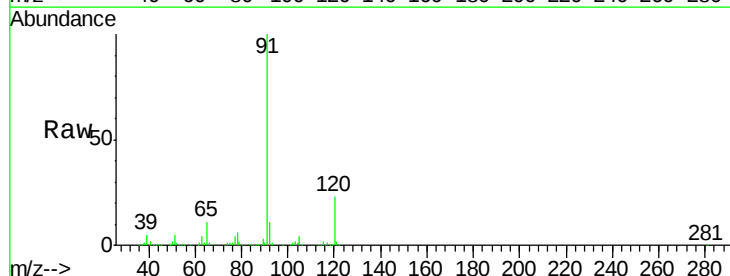
RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025279.D

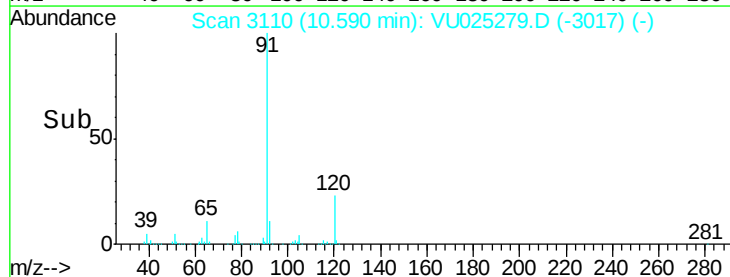
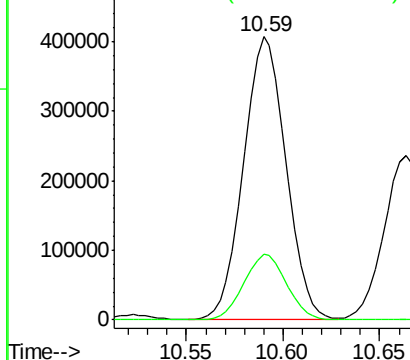
Acq: 09 Jul 2018 17:52

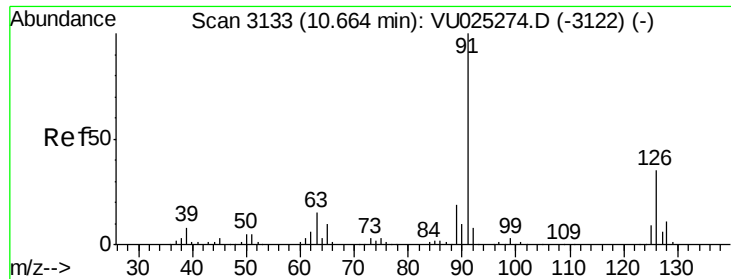
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.8	35.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.17 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025279.D

Acq: 09 Jul 2018 17:52

Instrument :

MSVOA_U

ClientSampleId :

VICVVU070918

Tot Ion: 91 Resp: 370478

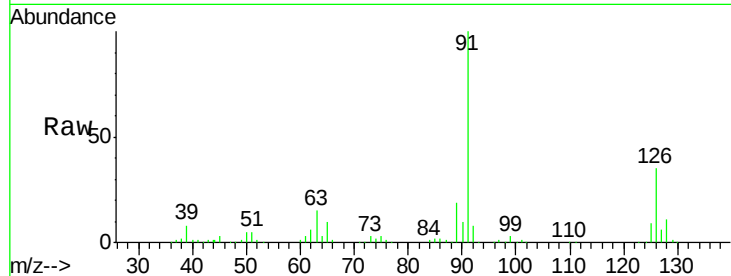
Ion Ratio Lower Upper

91 100

126 35.3 17.5 52.6

Manual Integrations
APPROVED

MMDadoda
7/10/2018 2:33:51 PM



Abundance Ion 91.00 (90.70 to 91.70): VU025274.D (-3122) (-)

Ion 125.90 (125.60 to 126.60): VU025274.D (-3122) (-)

400000

300000

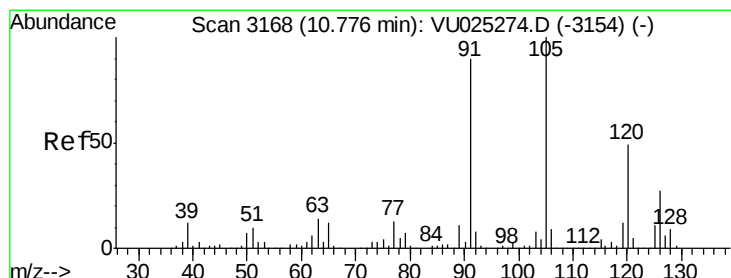
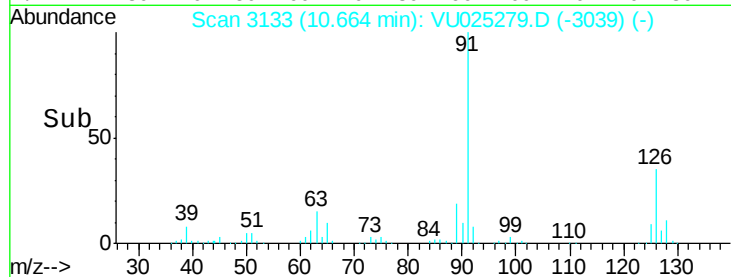
200000

100000

0

10.60 10.65 10.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 45.12 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025279.D

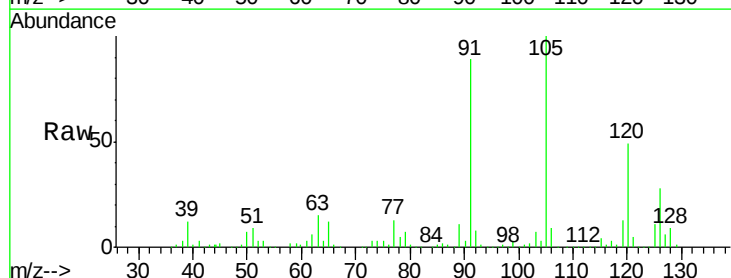
Acq: 09 Jul 2018 17:52

Tgt Ion: 105 Resp: 468072

Ion Ratio Lower Upper

105 100

120 48.6 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VU025274.D (-3154) (-)

Ion 120.00 (119.70 to 120.70): VU025274.D (-3154) (-)

300000

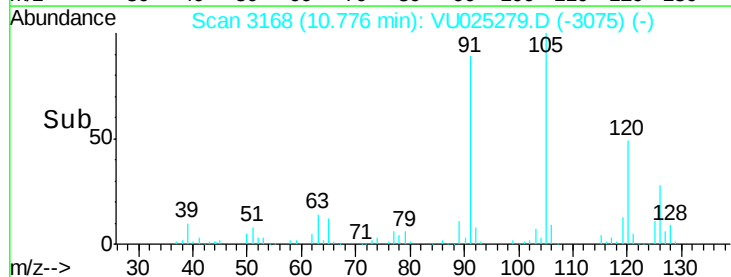
200000

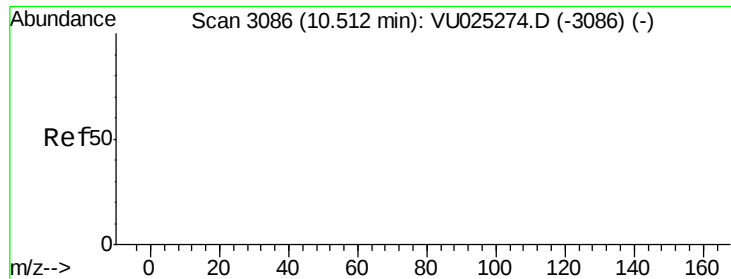
100000

0

10.70 10.80

Time-->





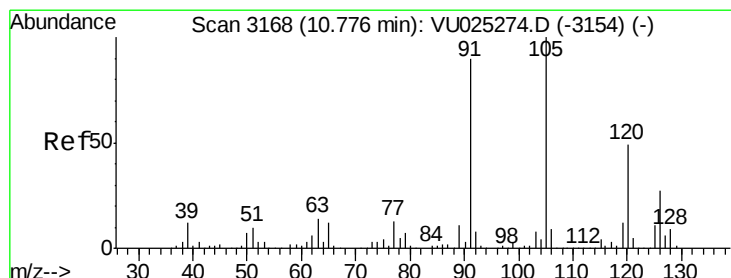
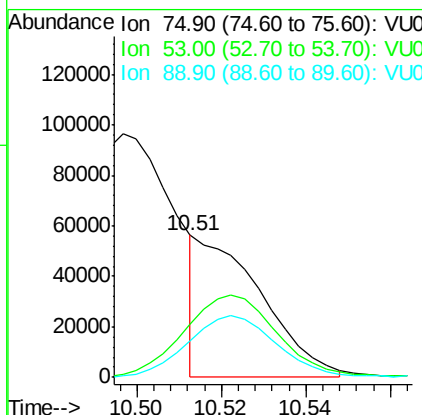
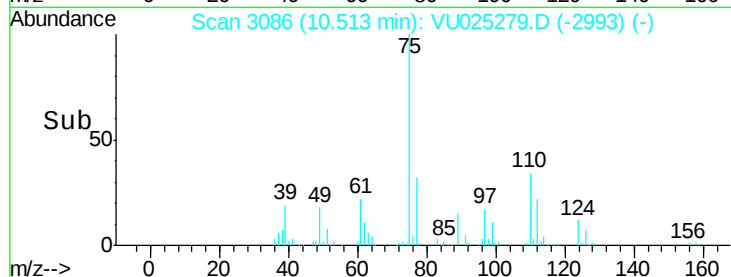
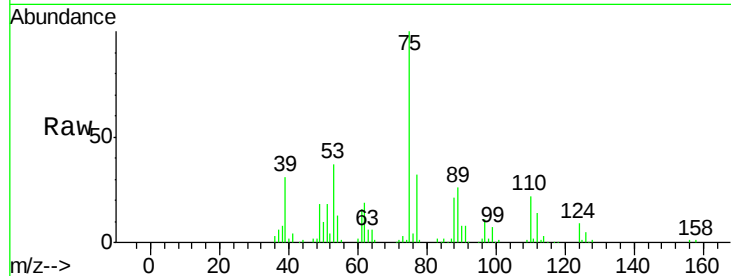
#81
trans-1,4-Dichloro-2-butene
Concen: 45.41 ug/l m
RT: 10.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VU025279.D
Acq: 09 Jul 2018 17:52

Instrument :
MSVOA_U
ClientSampleId :
VICVVU070918

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

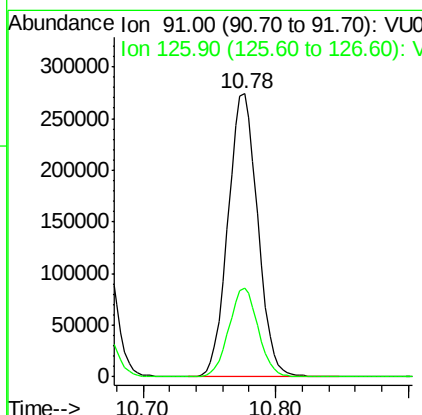
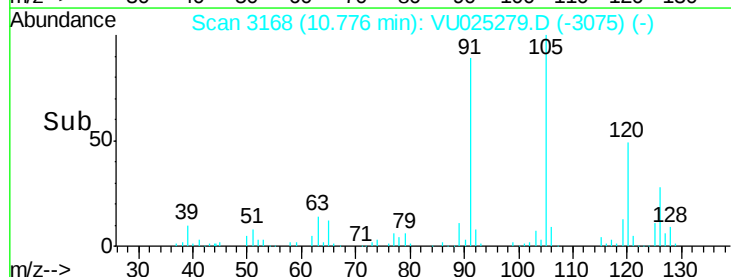
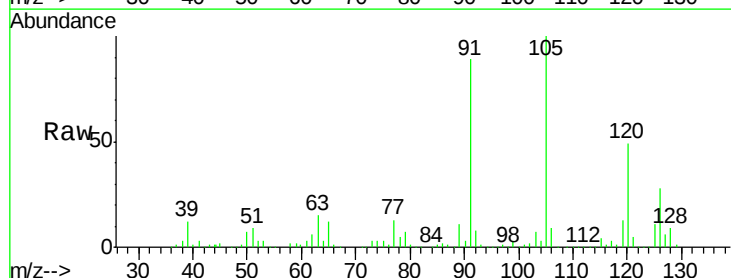
Manual Integrations
APPROVED

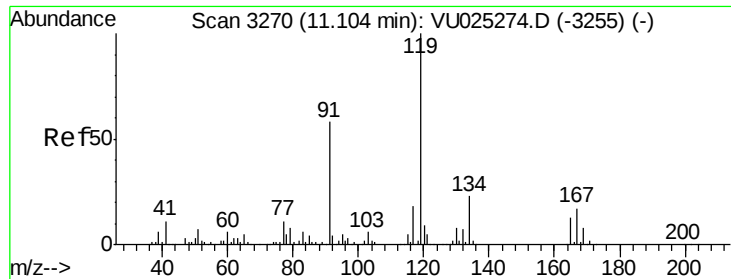
MMDadoda
7/10/2018 2:33:51 PM



#82
4-Chlorotoluene
Concen: 43.88 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025279.D
Acq: 09 Jul 2018 17:52

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.3	45.9





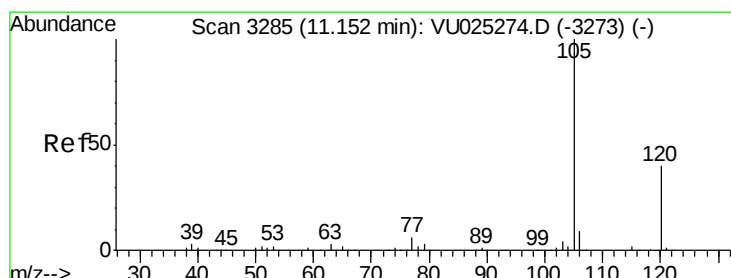
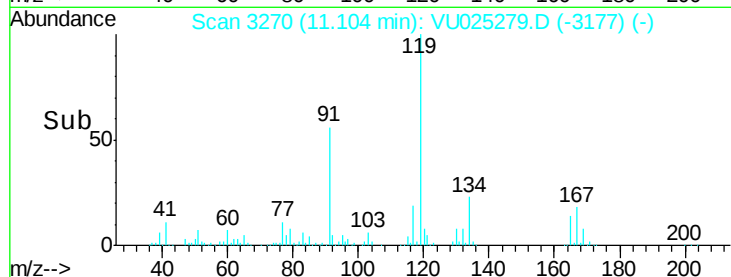
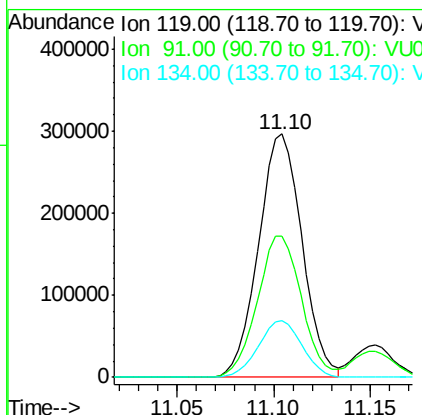
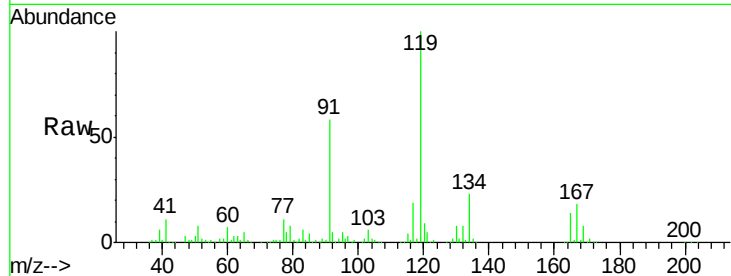
#83
tert-Butylbenzene
Concen: 44.53 ug/l
RT: 11.10 min Scan# 3270
Delta R.T. 0.00 min
Lab File: VU025279.D
Acq: 09 Jul 2018 17:52

Instrument :
MSVOA_U
ClientSampleId :
VICVVU070918

Tot Ion	Ratio	Resp	Lower	Upper
119	100	466783		
91	58.9	29.7	89.1	
134	23.3	11.5	34.5	

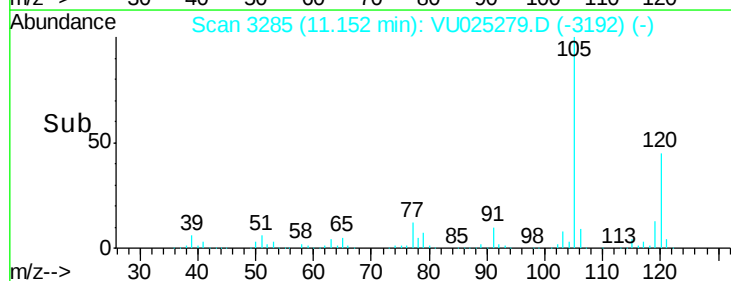
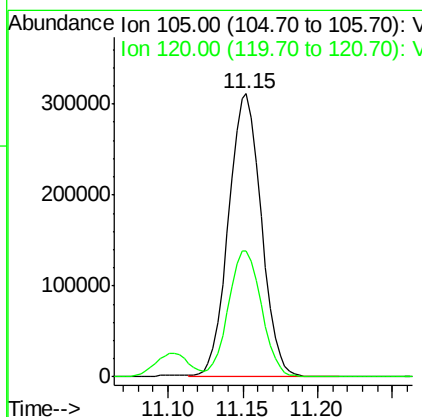
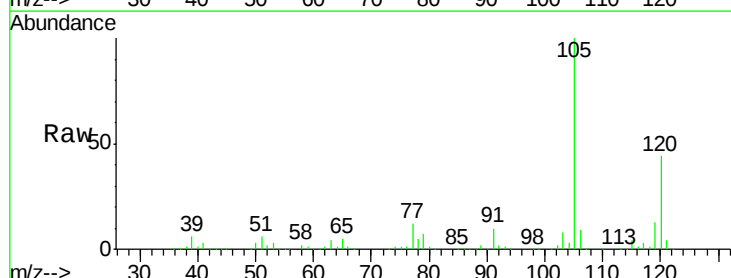
Manual Integrations
APPROVED

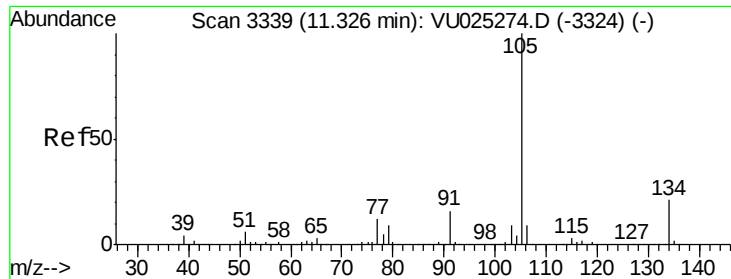
MMDadoda
7/10/2018 2:33:51 PM



#84
1,2,4-Trimethylbenzene
Concen: 44.65 ug/l
RT: 11.15 min Scan# 3285
Delta R.T. 0.00 min
Lab File: VU025279.D
Acq: 09 Jul 2018 17:52

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	474700		
120	45.1	22.3	66.8	





#85

sec-Butylbenzene

Concen: 45.27 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025279.D

Acq: 09 Jul 2018 17:52

Instrument :

MSVOA_U

ClientSampleId :

VICVVU070918

Tot Ion:105 Resp: 558703

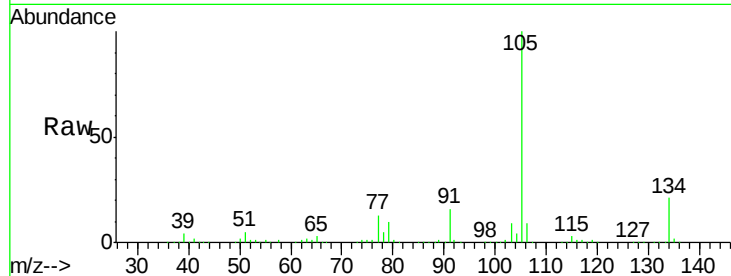
Ion Ratio Lower Upper

105 100

134 20.6 10.3 30.8

Manual Integrations
APPROVED

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7/10/2018 2:33:51 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.33

400000

300000

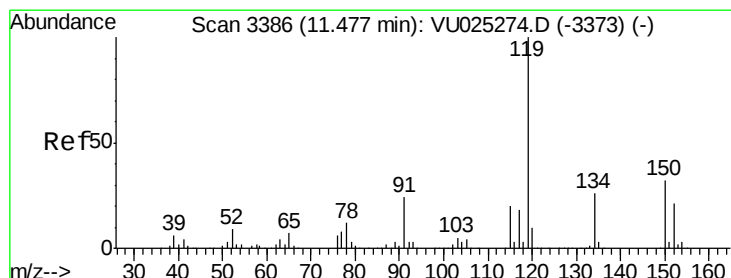
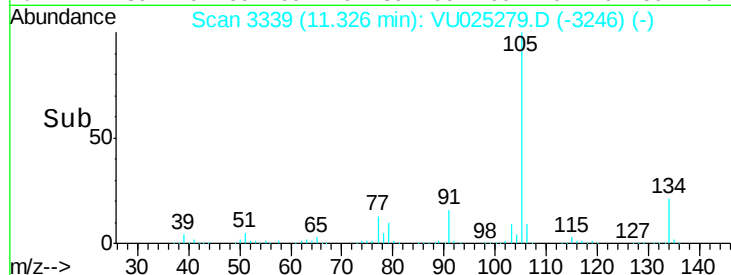
200000

100000

0

11.30 11.40

Time-->



#86

p-Isopropyltoluene

Concen: 45.58 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU025279.D

Acq: 09 Jul 2018 17:52

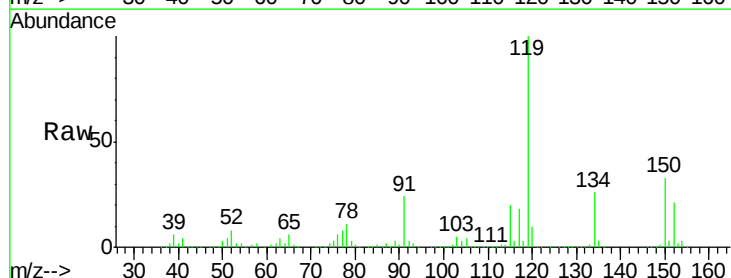
Tgt Ion:119 Resp: 498188

Ion Ratio Lower Upper

119 100

134 26.6 13.2 39.5

91 23.8 12.0 36.1



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

11.48

400000

300000

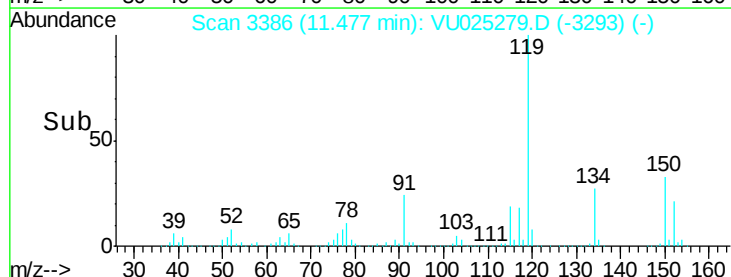
200000

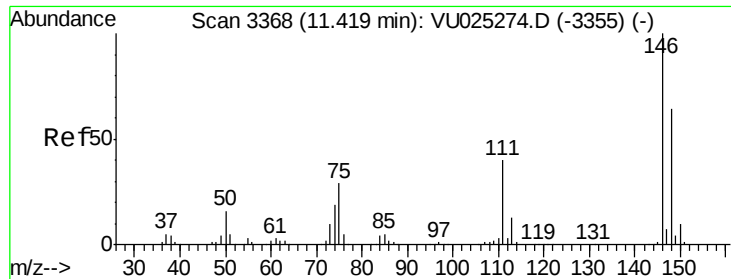
100000

0

11.40 11.45 11.50 11.55

Time-->





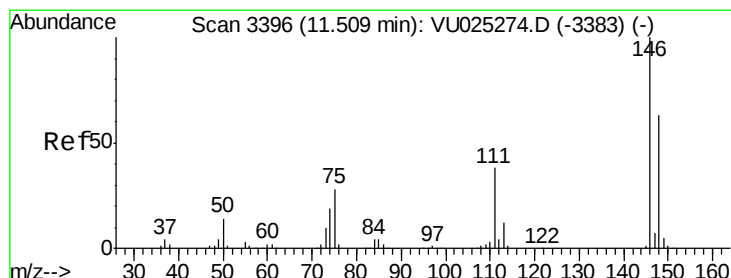
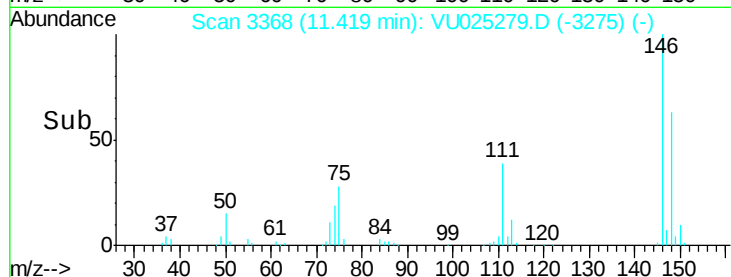
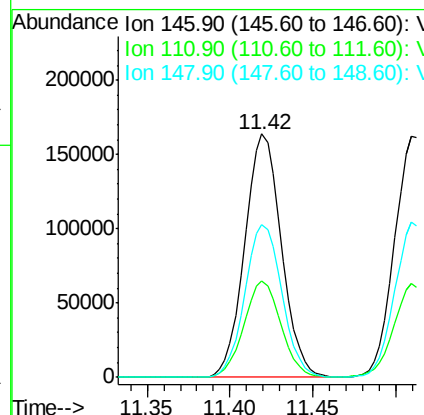
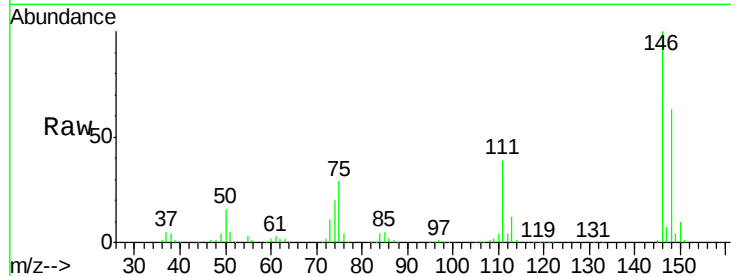
#87
 1,3-Dichlorobenzene
 Concen: 43.71 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025279.D
 Acq: 09 Jul 2018 17:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VICVVU070918

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.7	59.1
148	63.6	32.1	96.3

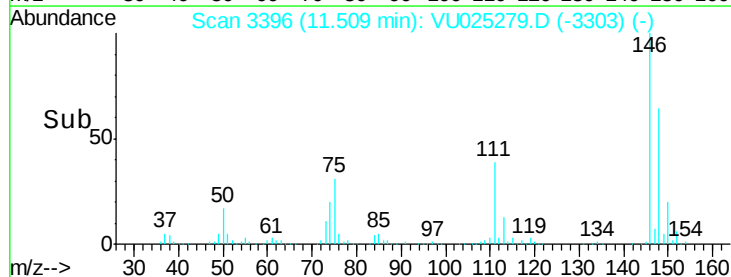
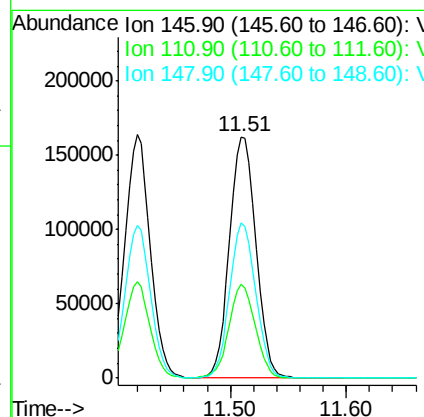
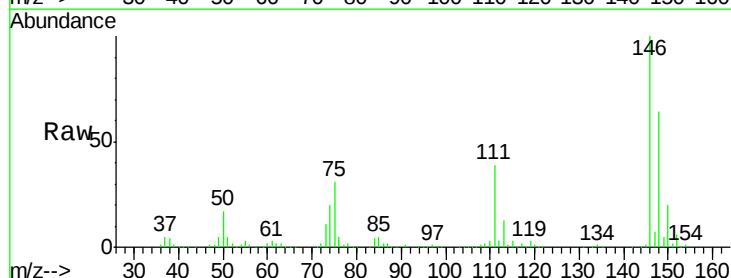
Manual Integrations
 APPROVED

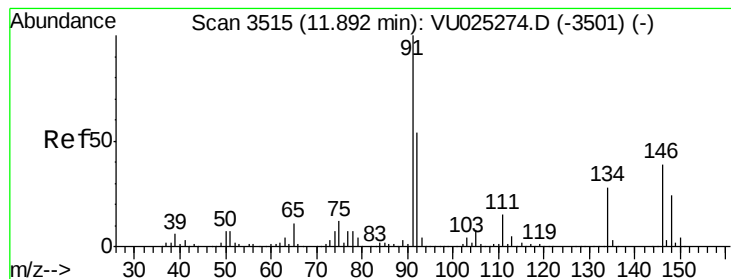
MMDadoda
 7/10/2018 2:33:51 PM



#88
 1,4-Dichlorobenzene
 Concen: 45.50 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025279.D
 Acq: 09 Jul 2018 17:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.4	58.1
148	63.6	31.7	95.1





#89

n-Butylbenzene

Concen: 44.23 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. 0.00 min

Lab File: VU025279.D

Acq: 09 Jul 2018 17:52

Instrument :

MSVOA_U

ClientSampleId :

VICVVU070918

Tot Ion: 91 Resp: 397334

Ion Ratio Lower Upper

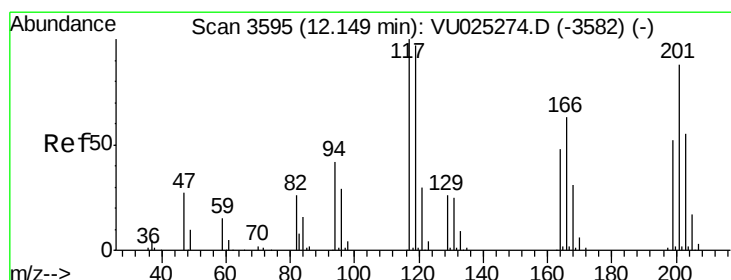
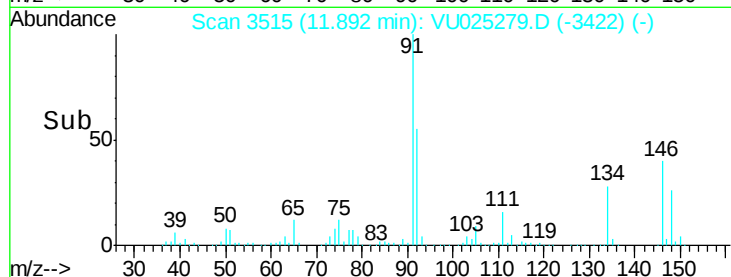
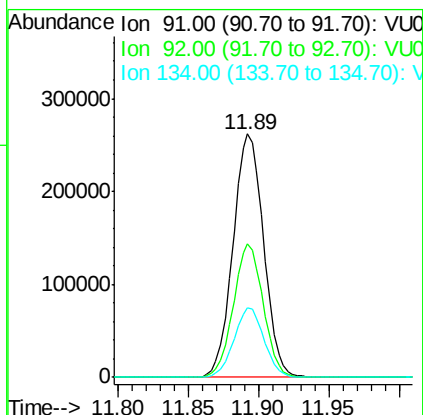
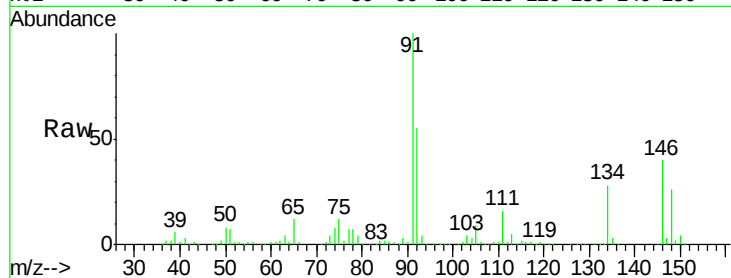
91 100

92 53.6 26.5 79.5

134 28.0 13.6 40.7

Manual Integrations
APPROVED

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7/10/2018 2:33:51 PM



#90

Hexachloroethane

Concen: 45.88 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU025279.D

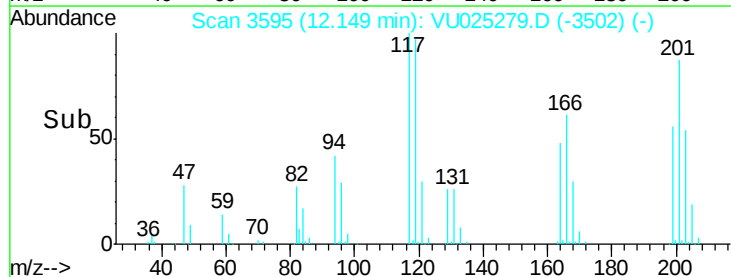
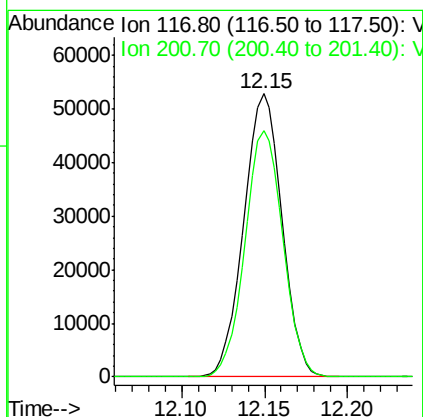
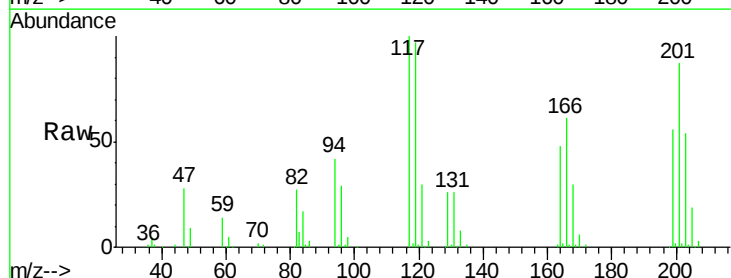
Acq: 09 Jul 2018 17:52

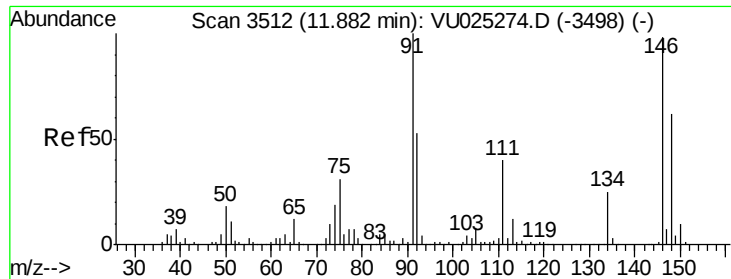
Tgt Ion: 117 Resp: 84898

Ion Ratio Lower Upper

117 100

201 86.4 42.5 127.6





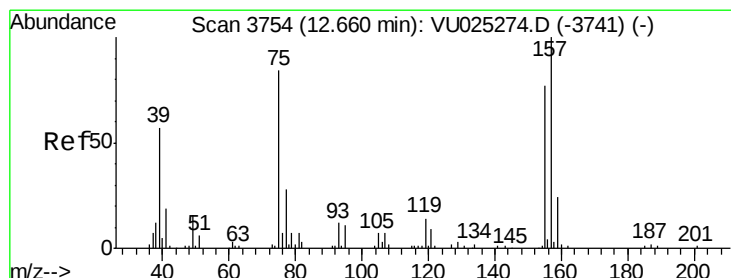
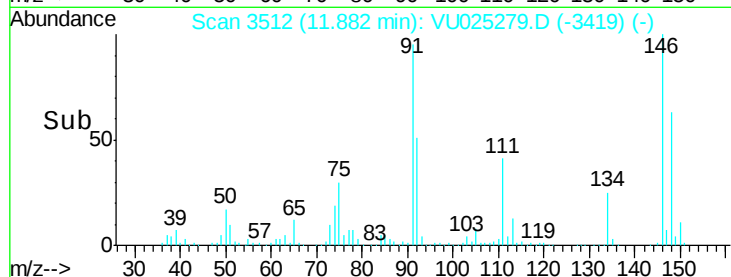
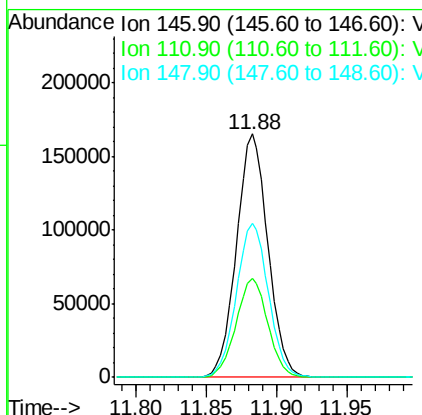
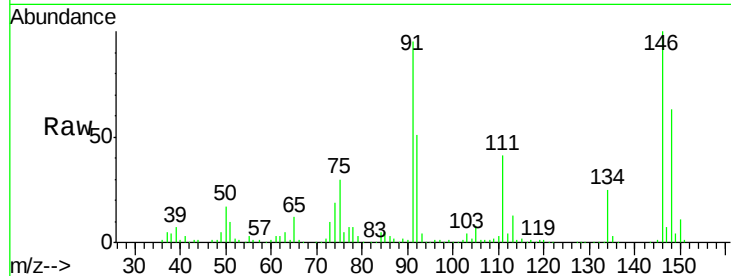
#91
 1,2-Dichlorobenzene
 Concen: 44.42 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025279.D
 Acq: 09 Jul 2018 17:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VICVVU070918

Tot Ion	Ratio	Resp	Lower	Upper
146	100	258596		
111	41.2	20.6	61.8	
148	64.4	31.5	94.5	

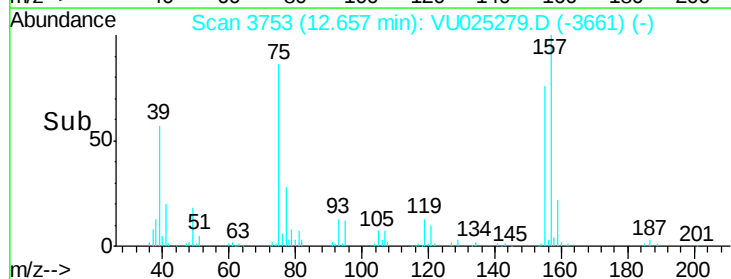
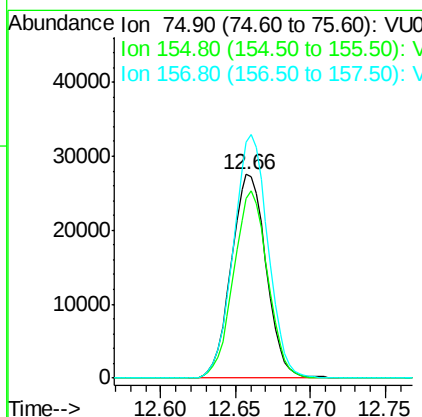
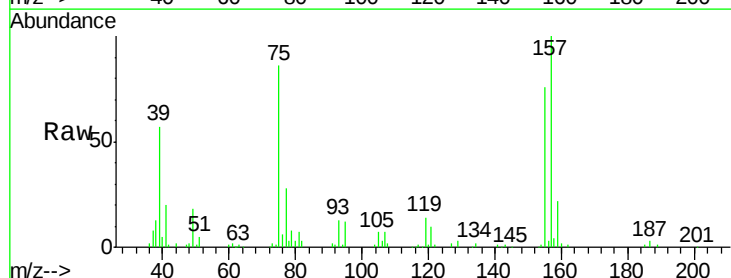
Manual Integrations
 APPROVED

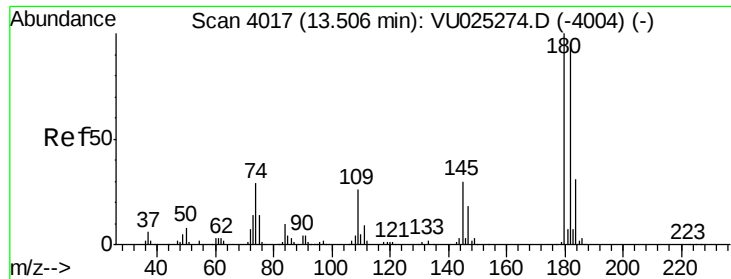
MMDadoda
 7/10/2018 2:33:51 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.79 ug/l
 RT: 12.66 min Scan# 3753
 Delta R.T. -0.00 min
 Lab File: VU025279.D
 Acq: 09 Jul 2018 17:52

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	44798		
155	89.9	44.5	133.3	
157	118.0	57.0	170.8	





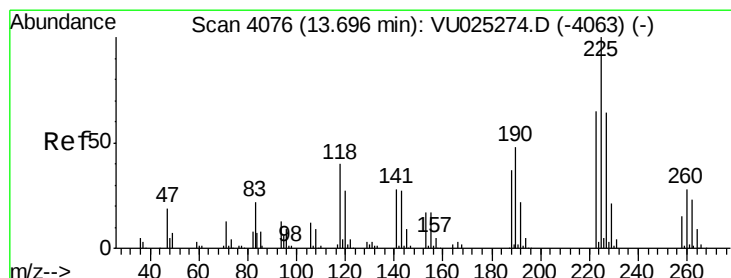
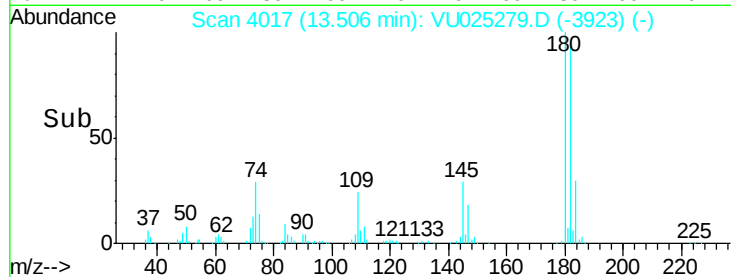
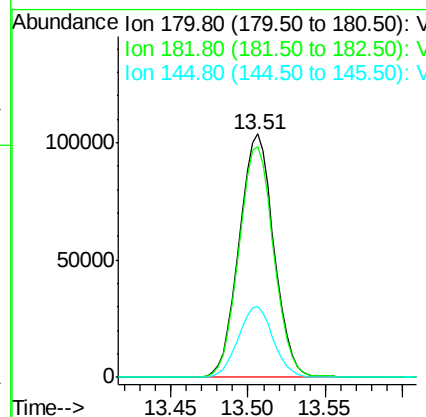
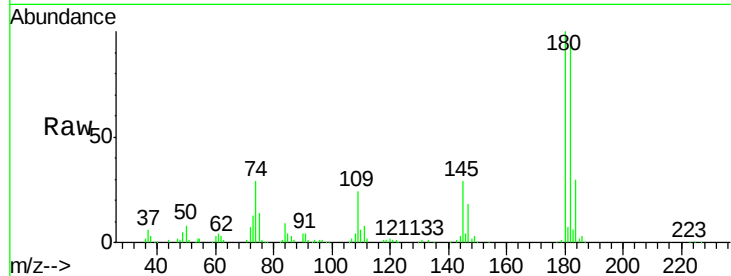
#93
 1,2,4-Trichlorobenzene
 Concen: 42.02 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025279.D
 Acq: 09 Jul 2018 17:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VICVVU070918

Tot Ion	Ratio	Resp	Lower	Upper
180	100	161608		
182	95.4	47.3	141.9	
145	29.3	14.9	44.7	

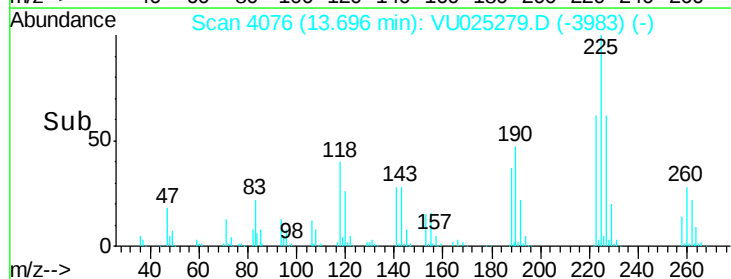
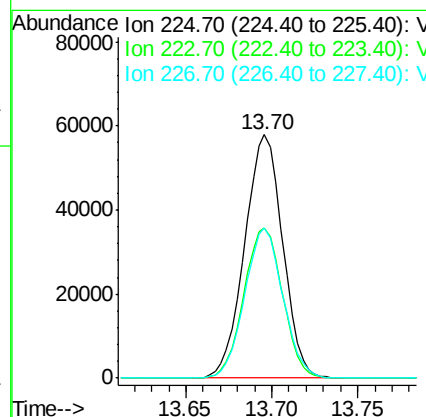
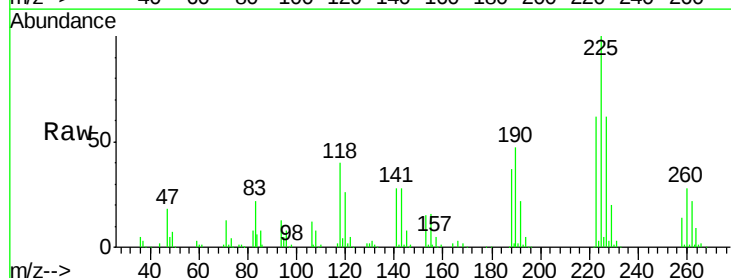
Manual Integrations
 APPROVED

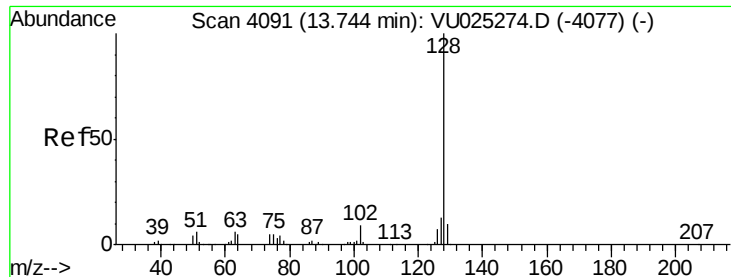
MMDadoda
 7/10/2018 2:33:51 PM



#94
 Hexachlorobutadiene
 Concen: 42.78 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025279.D
 Acq: 09 Jul 2018 17:52

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	89066		
223	62.5	31.9	95.7	
227	61.6	32.3	96.9	





#95

Naphthalene

Concen: 45.27 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU025279.D

Acq: 09 Jul 2018 17:52

Instrument :

MSVOA_U

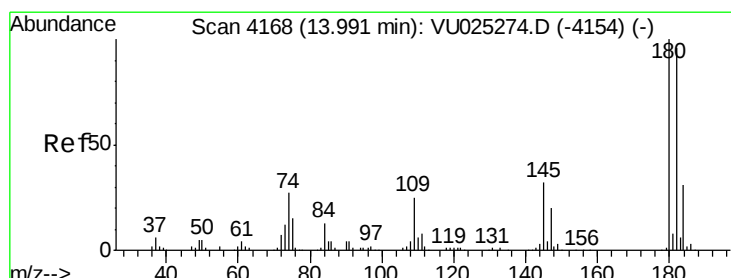
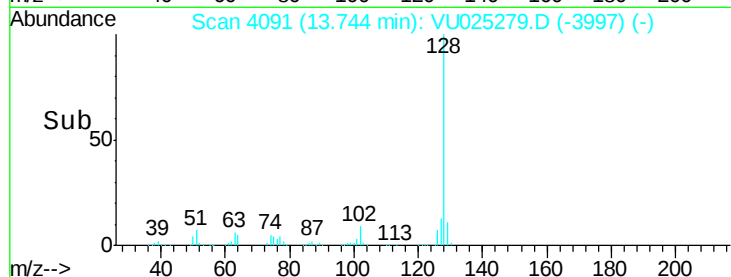
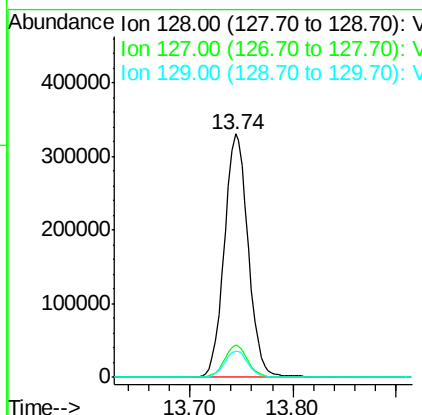
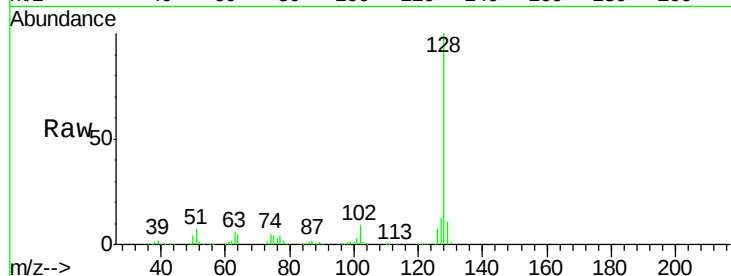
ClientSampleId :

VICVVU070918

Tot Ion:	128	Resp:	533521
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.5	15.7
129	10.7	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
7/10/2018 2:33:51 PM



#96

1,2,3-Trichlorobenzene

Concen: 43.03 ug/l

RT: 13.99 min Scan# 4167

Delta R.T. -0.00 min

Lab File: VU025279.D

Acq: 09 Jul 2018 17:52

Tgt Ion:	180	Resp:	168812
Ion Ratio	Lower	Upper	
180	100		
182	96.1	47.8	143.3
145	32.4	15.6	46.8

