

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071218\
 Data File : VU025339.D
 Acq On : 12 Jul 2018 15:06
 Operator : MD/SY
 Sample : VU0712WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/13/2018 11:44:14 AM

Quant Time: Jul 13 01:28:24 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	158466	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	232552	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	214855	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	129342	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	96449	39.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	78.36%	
35) Dibromofluoromethane	4.89	113	75996	38.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	77.48%	
50) Toluene-d8	7.57	98	251461	37.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	74.86%	
62) 4-Bromofluorobenzene	10.31	95	104049	38.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	76.94%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.21	85	29847	18.200	ug/l	100
3) Chloromethane	1.33	50	30622	19.093	ug/l	99
4) Vinyl Chloride	1.40	62	33428	18.549	ug/l	100
5) Bromomethane	1.63	94	22009	20.803	ug/l	99
6) Chloroethane	1.70	64	22771	20.044	ug/l	98
7) Trichlorofluoromethane	1.89	101	56284	19.872	ug/l	100
8) Diethyl Ether	2.10	74	21929	20.632	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.29	101	35061	19.976	ug/l	99
10) Methyl Iodide	2.41	142	32265	21.598	ug/l	99
11) Tert butyl alcohol	2.82	59	50135	93.347	ug/l	99
12) 1,1-Dichloroethene	2.28	96	30119	18.750	ug/l	96
13) Acrolein	2.19	56	17009	47.871	ug/l	95
14) Allyl chloride	2.59	41	54104	18.572	ug/l	98
15) Acrylonitrile	2.94	53	110397	99.978	ug/l	98
16) Acetone	2.32	43	128433	105.108	ug/l	99
17) Carbon Disulfide	2.48	76	74355	17.159	ug/l	98
18) Methyl Acetate	2.62	43	55247	21.917	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	124915	20.445	ug/l	99
20) Methylene Chloride	2.70	84	38716	20.738	ug/l	96
21) trans-1,2-Dichloroethene	2.99	96	33763	18.393	ug/l	92
22) Diisopropyl ether	3.57	45	121261	20.382	ug/l	95
23) Vinyl Acetate	3.53	43	516089	98.888	ug/l	100
24) 1,1-Dichloroethane	3.45	63	70291	20.950	ug/l	99
25) 2-Butanone	4.26	43	168567	98.783	ug/l	100
26) 2,2-Dichloropropane	4.23	77	64778	20.080	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	41647	19.609	ug/l	98
28) Bromochloromethane	4.55	49	22536	13.910	ug/l	97
29) Tetrahydrofuran	4.64	42	97838	95.587	ug/l	99
30) Chloroform	4.68	83	72797	20.488	ug/l	98
31) Cyclohexane	5.00	56	60617	19.947	ug/l	95
32) 1,1,1-Trichloroethane	4.92	97	65724	20.410	ug/l	98
36) 1,1-Dichloropropene	5.14	75	50719	19.618	ug/l	99
37) Ethyl Acetate	4.38	43	55934	19.399	ug/l	98
38) Carbon Tetrachloride	5.14	117	56142	20.175	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	61327	19.017	ug/l	97
40) Benzene	5.39	78	149122	20.015	ug/l	97
41) Methacrylonitrile	4.55	41	31845	19.921	ug/l	98
42) 1,2-Dichloroethane	5.41	62	62635	21.149	ug/l	99
43) Isopropyl Acetate	5.55	43	93871	20.330	ug/l	99
44) Trichloroethene	6.19	130	41653	19.470	ug/l	97
45) 1,2-Dichloropropane	6.44	63	39455	20.219	ug/l	100
46) Dibromomethane	6.56	93	28966	20.397	ug/l	98
47) Bromodichloromethane	6.76	83	54084	20.501	ug/l	99
48) Methyl methacrylate	6.63	41	47978	20.844	ug/l	99
49) 1,4-Dioxane	6.62	88	23073	416.581	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	301840	100.580	ug/l	99
52) Toluene	7.64	92	96155	20.286	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	58157	20.064	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	60671	19.667	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	40096	20.311	ug/l	97
56) Ethyl methacrylate	8.02	69	61330	19.891	ug/l	100
57) 1,3-Dichloropropane	8.25	76	67657	20.645	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	125726	90.776	ug/l	99
59) 2-Hexanone	8.36	43	231547	95.122	ug/l	99
60) Dibromochloromethane	8.48	129	42225	19.805	ug/l	99
61) 1,2-Dibromoethane	8.59	107	43888	20.777	ug/l	99
64) Tetrachloroethene	8.23	164	40118	20.484	ug/l	92
65) Chlorobenzene	9.12	112	109211	20.348	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	40070	20.870	ug/l	95
67) Ethyl Benzene	9.25	91	187875	20.532	ug/l	98
68) m/p-Xylenes	9.38	106	143999	40.705	ug/l	96
69) o-Xylene	9.78	106	72529	20.478	ug/l	96
70) Styrene	9.80	104	116560	20.719	ug/l	99
71) Bromoform	9.96	173	31771	20.139	ug/l #	100
73) Isopropylbenzene	10.17	105	199446	20.182	ug/l	99
74) N-amyl acetate	10.01	43	77988	20.059	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	64307	19.890	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	57388m	22.000	ug/l	
77) Bromobenzene	10.45	156	49851	19.718	ug/l	99
78) n-propylbenzene	10.59	91	220122	20.073	ug/l	100
79) 2-Chlorotoluene	10.66	91	134567	21.454	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	167287	20.117	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	18366m	17.823	ug/l	
82) 4-Chlorotoluene	10.78	91	152660	19.660	ug/l	100
83) tert-Butylbenzene	11.10	119	167492	19.932	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	167586	19.664	ug/l	99
85) sec-Butylbenzene	11.33	105	202959	20.513	ug/l	100
86) p-Isopropyltoluene	11.48	119	176638	20.162	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	90931	19.680	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	91655	21.192	ug/l	100
89) n-Butylbenzene	11.89	91	138083	19.174	ug/l	99
90) Hexachloroethane	12.15	117	28320	19.091	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	93277	19.989	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	15651	19.959	ug/l	91

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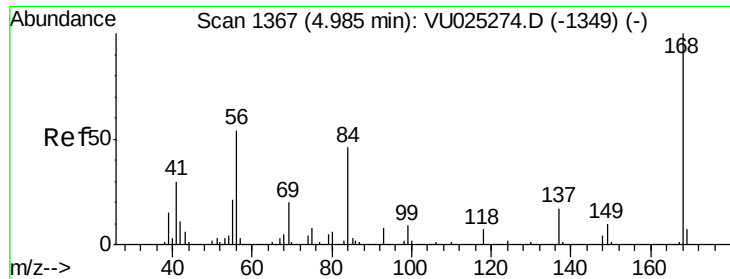
Manual Integrations
APPROVED

MMDadoda
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	53875	19.393	ug/l	100
94) Hexachlorobutadiene	13.70	225	32282	19.343	ug/l	100
95) Naphthalene	13.75	128	163400	18.789	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	56911	19.561	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBS01

Tot Ion:168 Resp: 158466

Ion Ratio Lower Upper

168 100

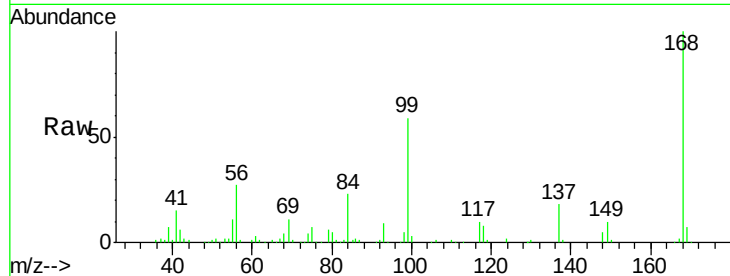
99 59.2 42.8 64.2

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): VU025274.D (-1349) (-)

4.99

80000

60000

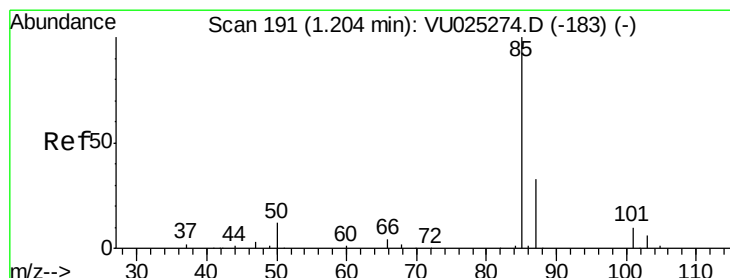
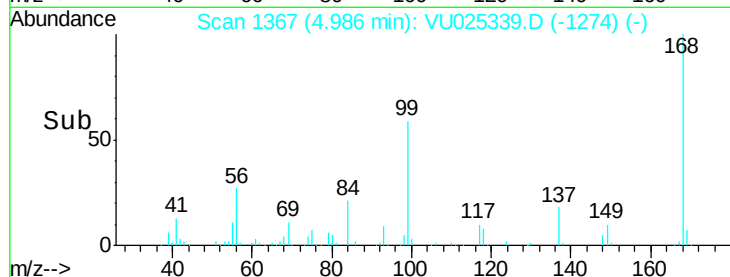
40000

20000

0

Time-->

4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 18.200 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU025339.D

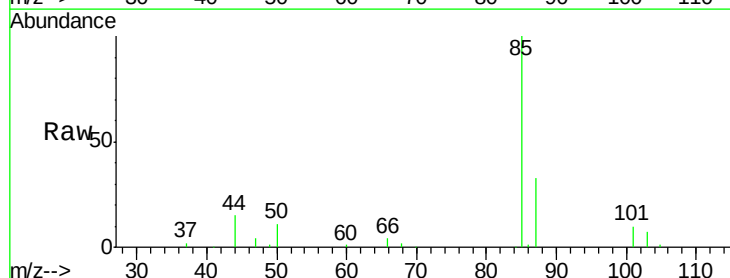
Acq: 12 Jul 2018 15:06

Tgt Ion: 85 Resp: 29847

Ion Ratio Lower Upper

85 100

87 32.8 16.5 49.5



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

Ion 86.90 (86.60 to 87.60): VU025274.D (-183) (-)

1.21

30000

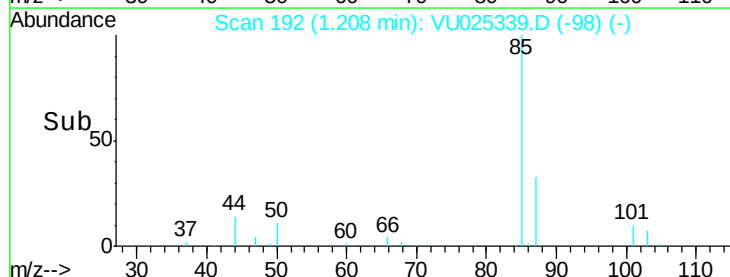
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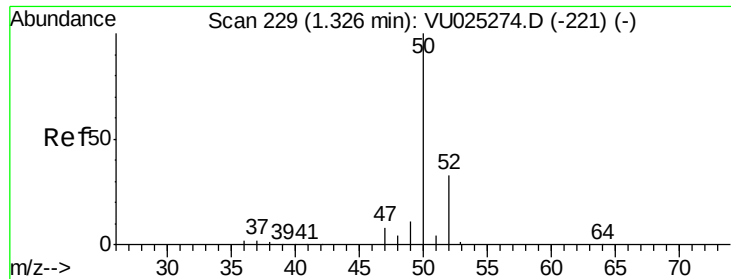
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Time-->

1.15 1.20 1.25





#3

Chloromethane

Concen: 19.093 ug/l

RT: 1.33 min Scan# 229

Delta R.T. 0.00 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBS01

Tot Ion: 50 Resp: 30622

Ion Ratio Lower Upper

50 100

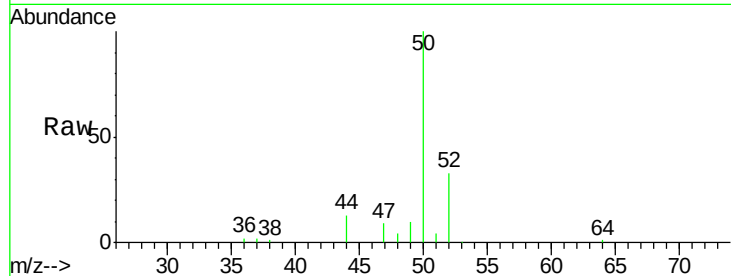
52 33.5 26.5 39.7

Manual Integrations

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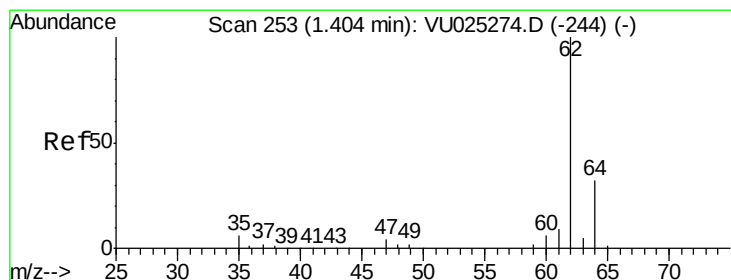
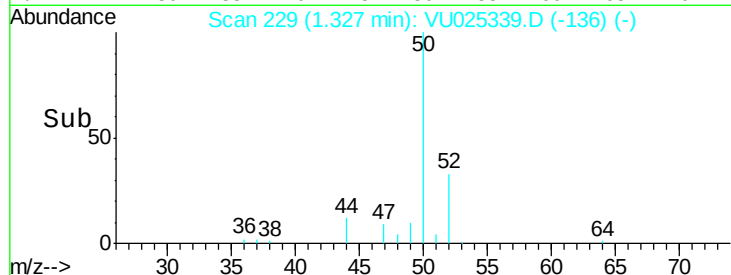
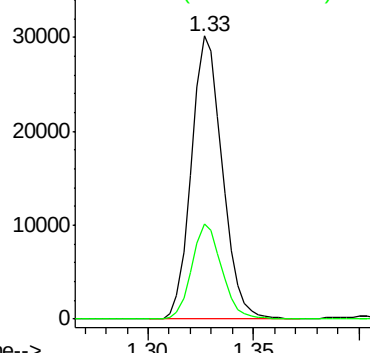
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 18.549 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025339.D

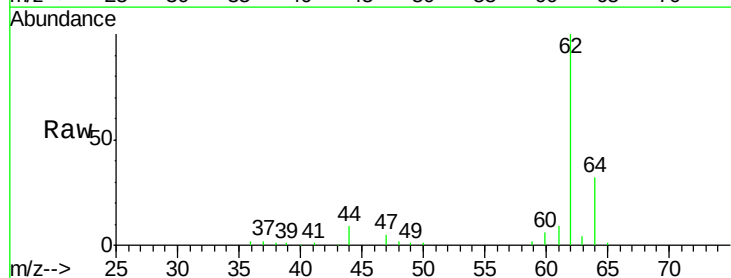
Acq: 12 Jul 2018 15:06

Tgt Ion: 62 Resp: 33428

Ion Ratio Lower Upper

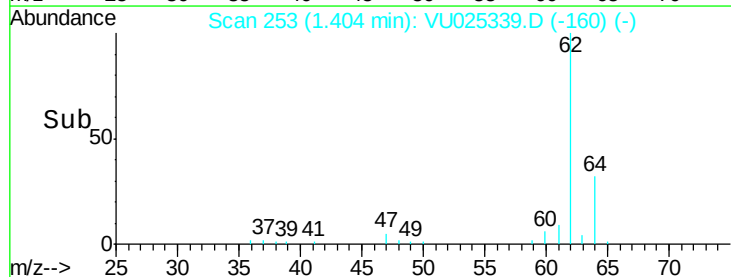
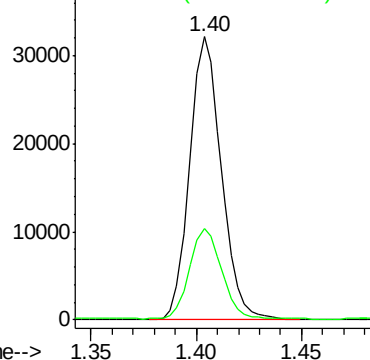
62 100

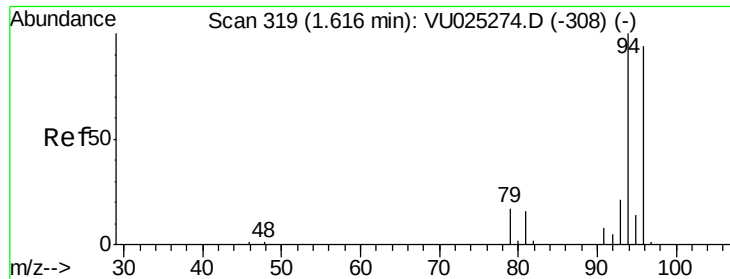
64 31.7 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 20.803 ug/l

RT: 1.63 min Scan# 322

Delta R.T. 0.01 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBS01

Tot Ion: 94 Resp: 22009

Ion Ratio Lower Upper

94 100

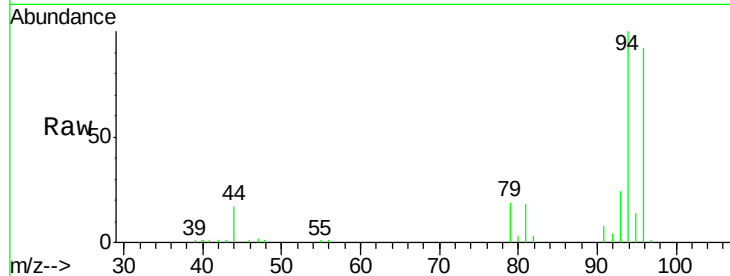
96 92.5 75.0 112.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

20000

15000

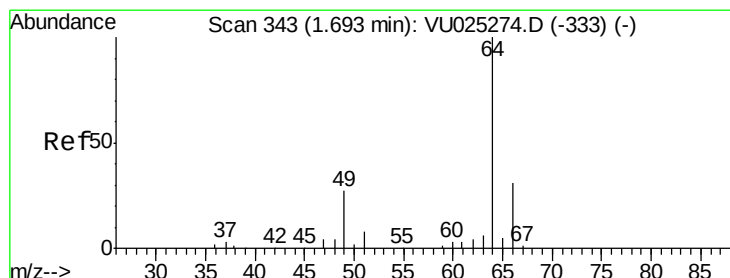
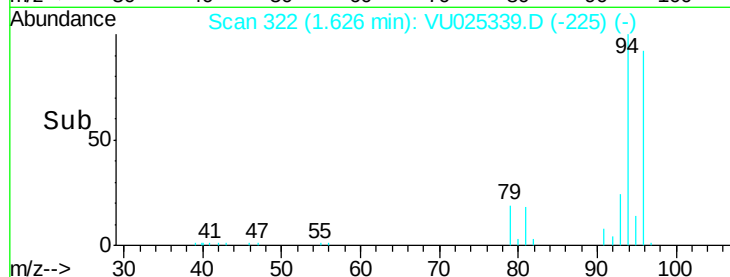
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5000

0

1.60 1.65

Time-->



#6

Chloroethane

Concen: 20.044 ug/l

RT: 1.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VU025339.D

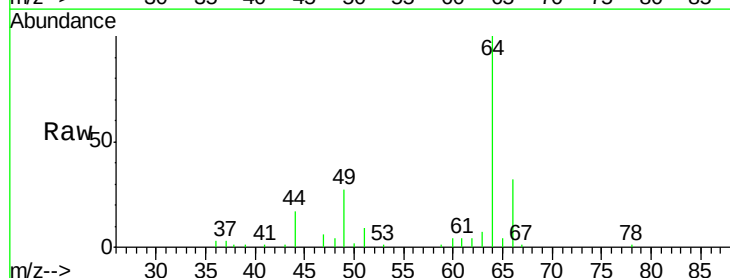
Acq: 12 Jul 2018 15:06

Tgt Ion: 64 Resp: 22771

Ion Ratio Lower Upper

64 100

66 32.3 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

20000

15000

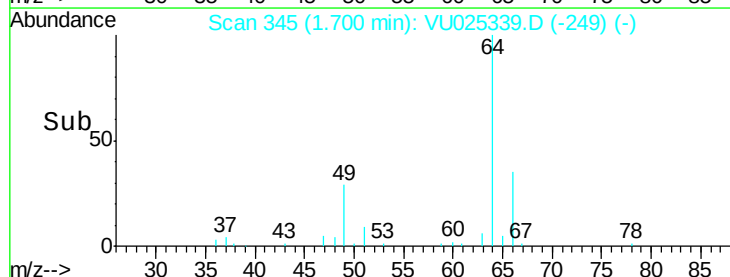
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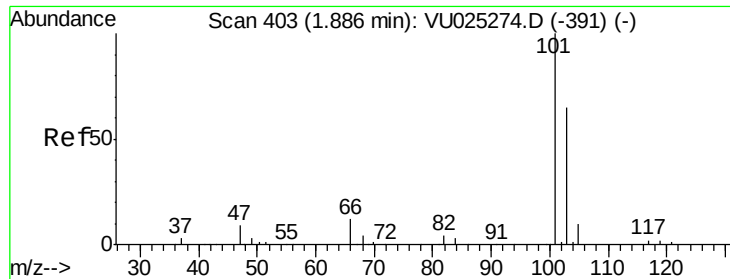
5000

0

1.65 1.70 1.75

Time-->





#7

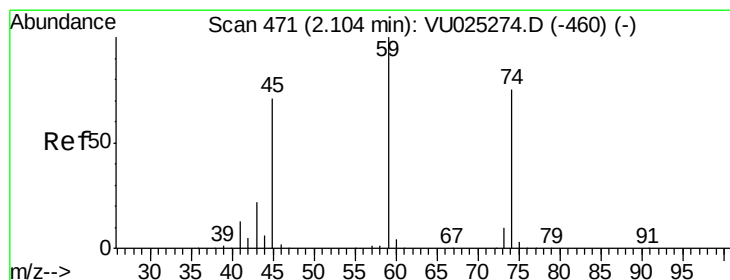
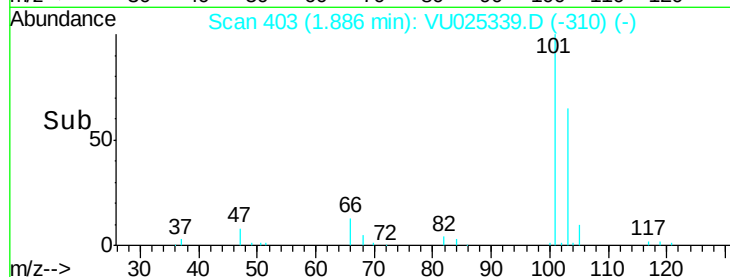
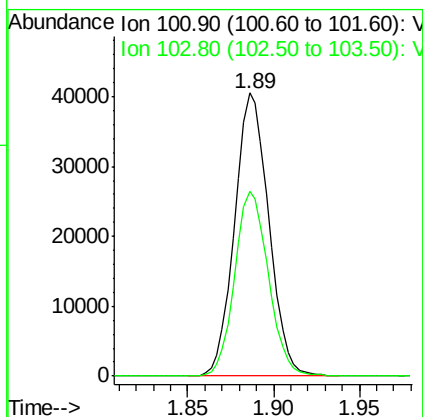
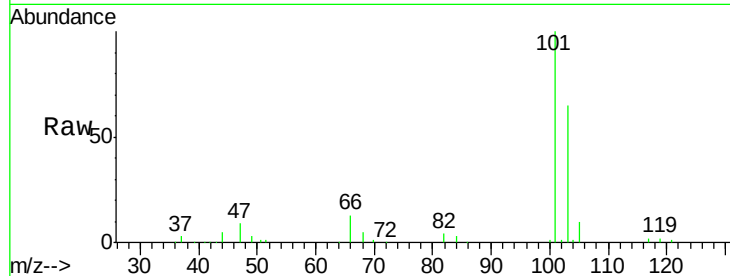
Trichlorofluoromethane
Concen: 19.872 ug/l
RT: 1.89 min Scan# 403
Delta R.T. 0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS01

Tot Ion:101 Resp: 56284
Ion Ratio Lower Upper
101 100
103 65.2 52.2 78.2

Manual Integrations
APPROVED

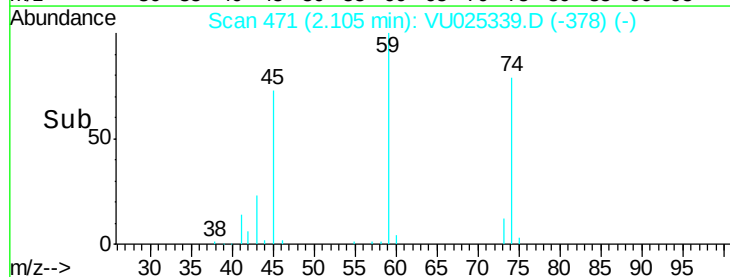
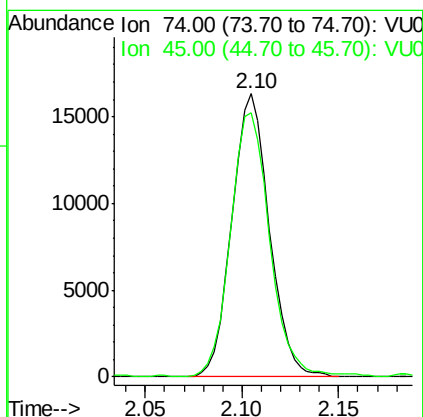
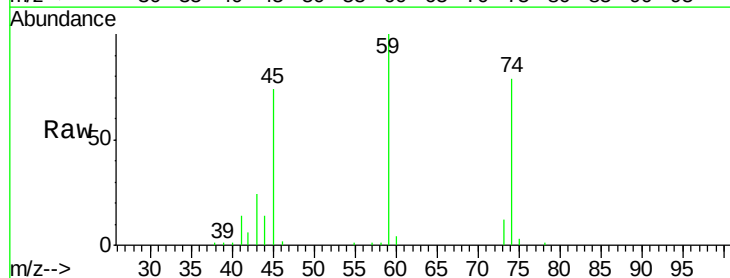
MMDadoda
7/13/2018 11:44:14 AM

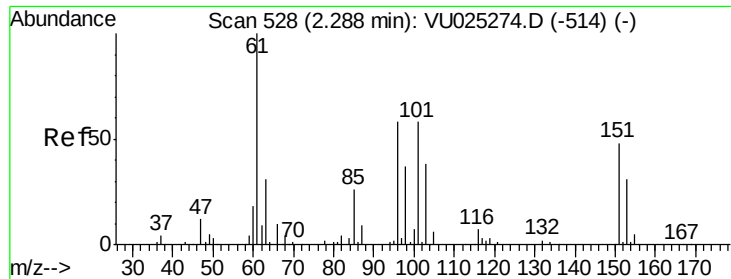


#8

Diethyl Ether
Concen: 20.632 ug/l
RT: 2.10 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

Tgt Ion: 74 Resp: 21929
Ion Ratio Lower Upper
74 100
45 98.4 48.3 144.9





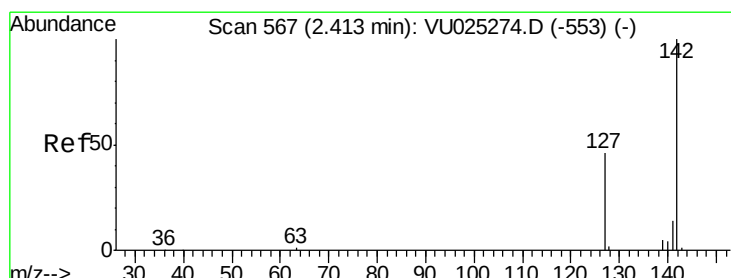
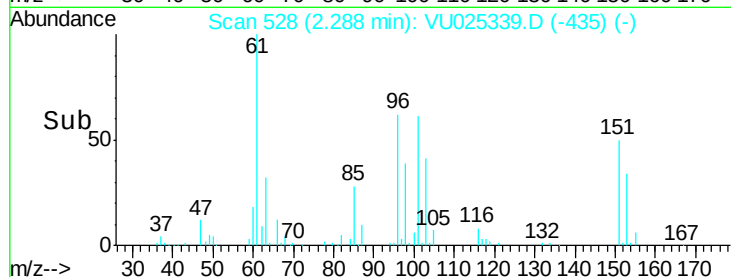
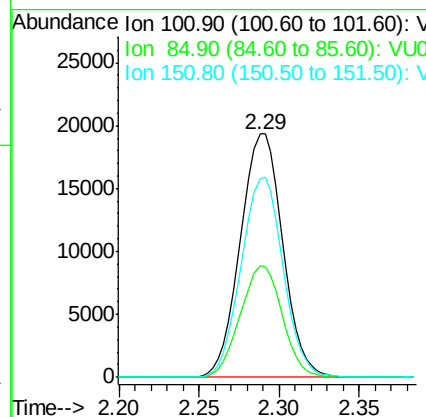
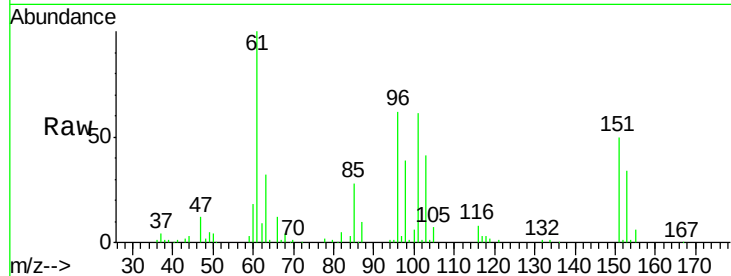
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.976 ug/l
RT: 2.29 min Scan# 528
Delta R.T. 0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

Instrument :
MSVOA_U
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	35061		
85	45.2	36.0	54.0	
151	81.3	65.6	98.4	

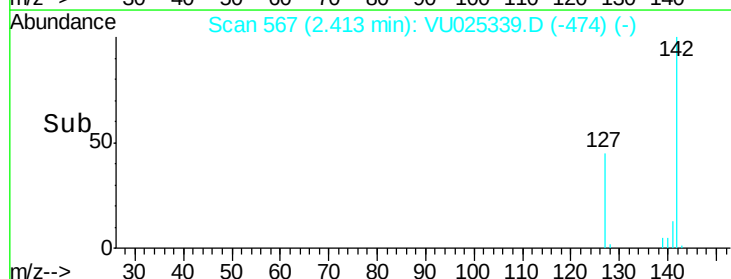
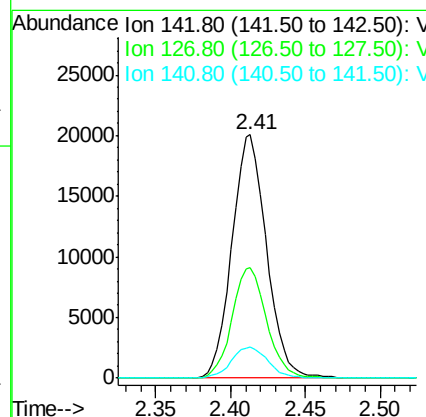
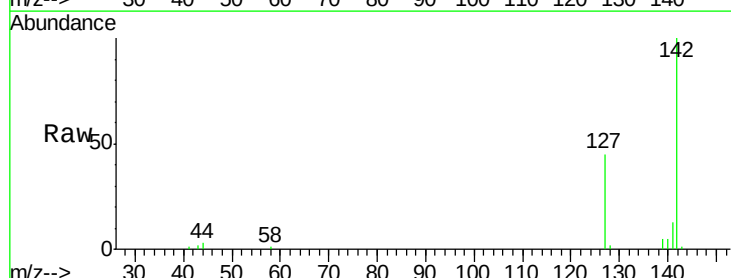
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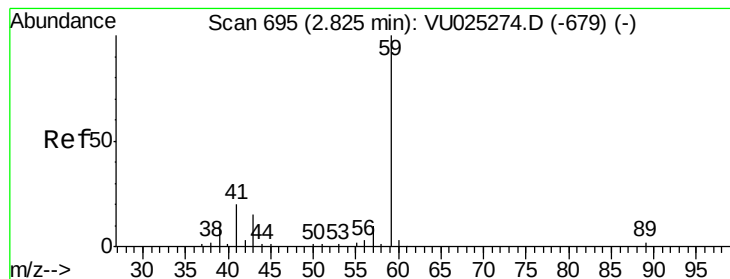
MMDadoda
7/13/2018 11:44:14 AM



#10
Methyl Iodide
Concen: 21.598 ug/l
RT: 2.41 min Scan# 567
Delta R.T. 0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	32265		
127	45.2	36.5	54.7	
141	13.5	11.4	17.2	





#11

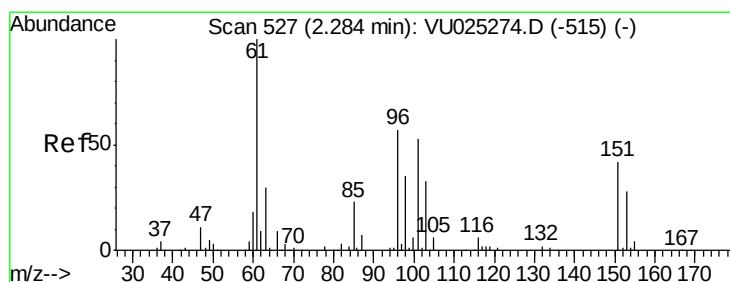
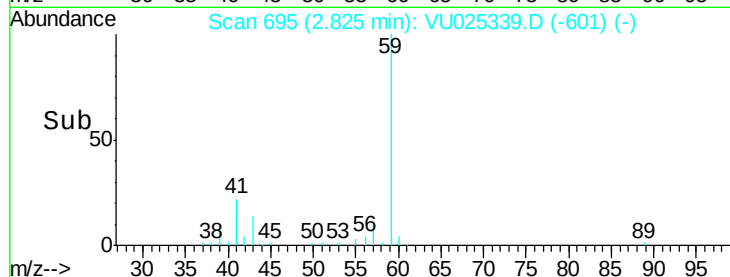
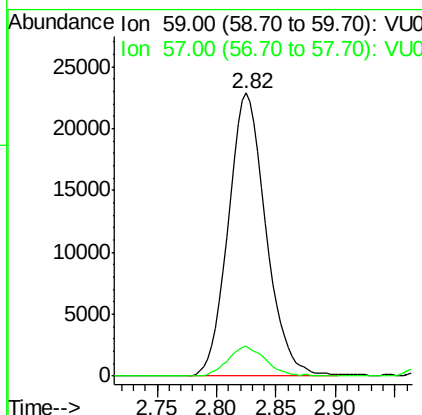
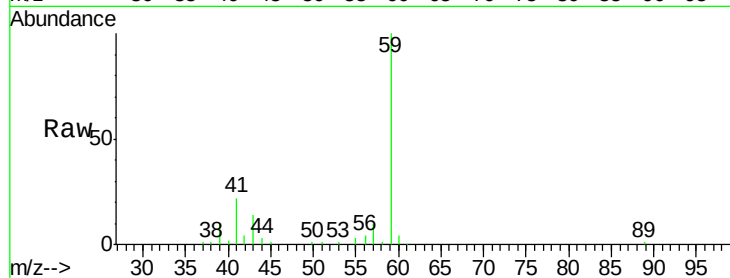
Tert butyl alcohol
Concen: 93.347 ug/l
RT: 2.82 min Scan# 695
Delta R.T. 0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.2

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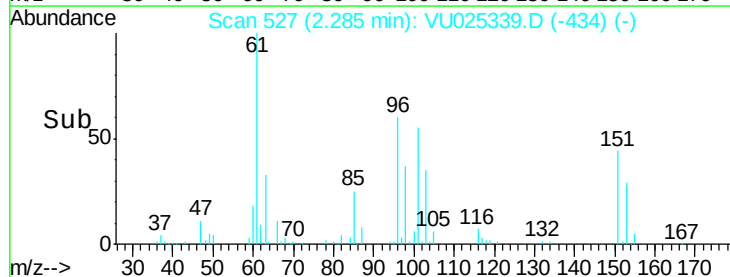
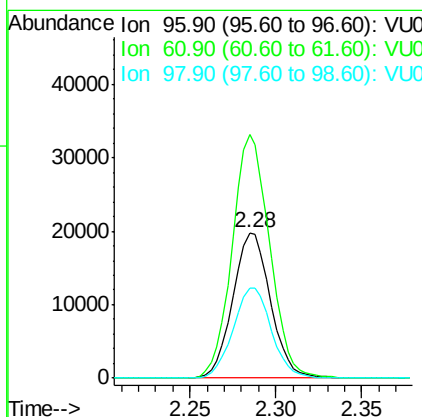
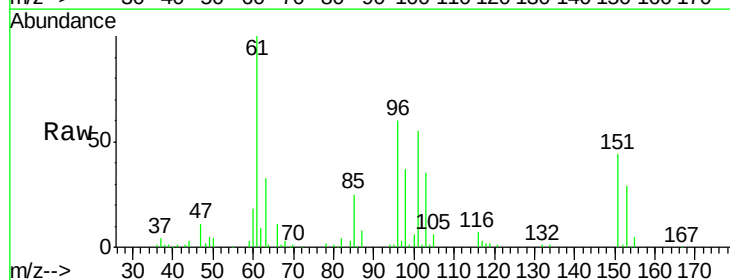
MMDadoda
7/13/2018 11:44:14 AM

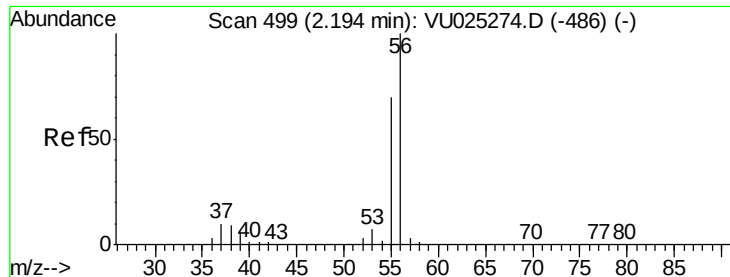


#12

1,1-Dichloroethene
Concen: 18.750 ug/l
RT: 2.28 min Scan# 527
Delta R.T. 0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.4	140.2	210.4
98	61.7	49.3	73.9





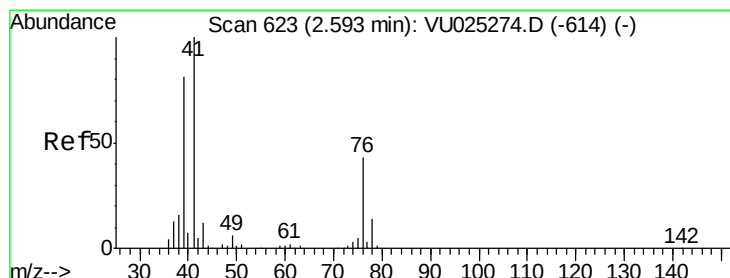
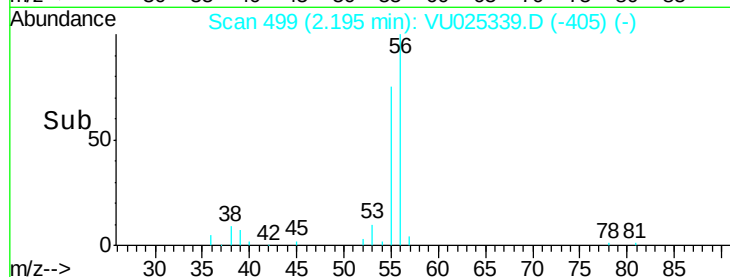
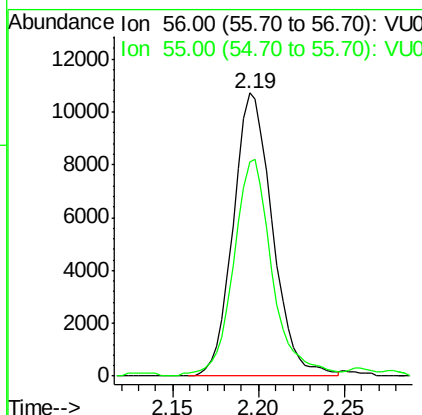
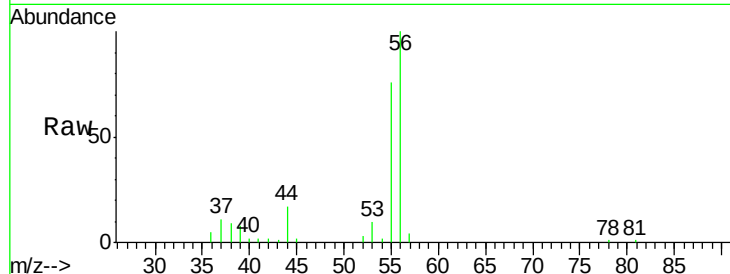
#13
Acrolein
Concen: 47.871 ug/l
RT: 2.19 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS01

Tot Ion	56	55	Ratio	100	75.6	Resp	17009	Lower	57.2	Upper	85.8
Ion											

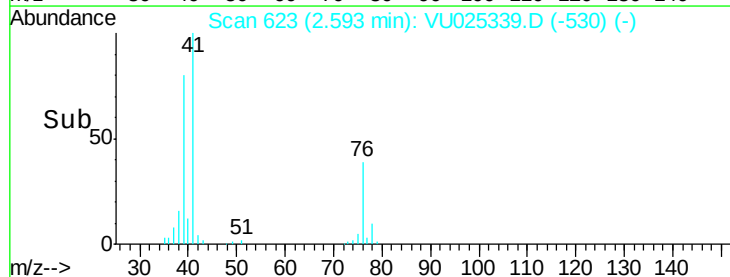
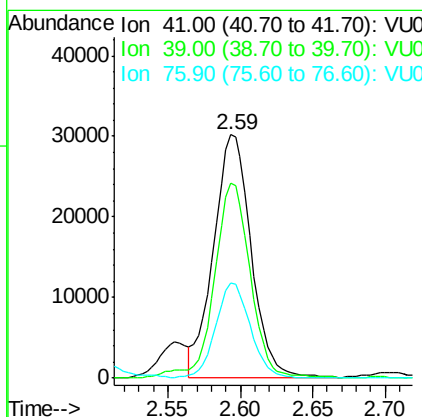
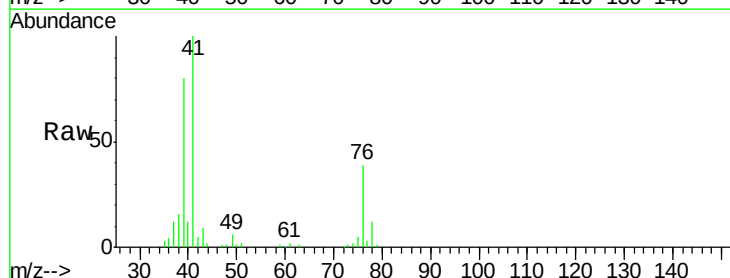
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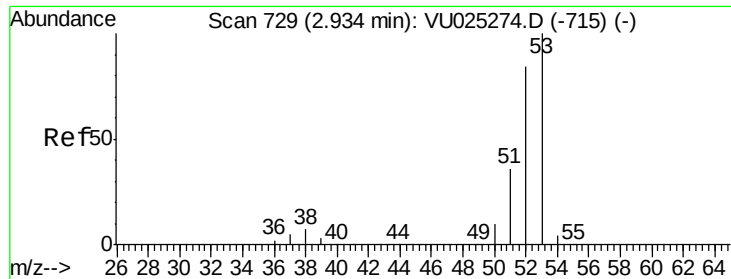
MMDadoda
7/13/2018 11:44:14 AM



#14
Allyl chloride
Concen: 18.572 ug/l
RT: 2.59 min Scan# 623
Delta R.T. 0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

Tgt Ion	41	39	76	Ratio	100	77.3	36.2	Resp	54104	Lower	60.6	Upper	91.0	45.7
Ion														





#15

Acrylonitrile

Concen: 99.978 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

Instrument :

MSVOA_U

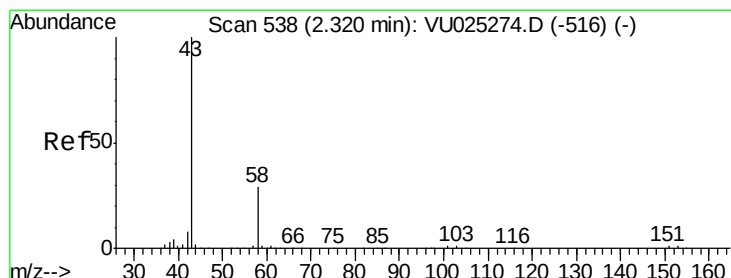
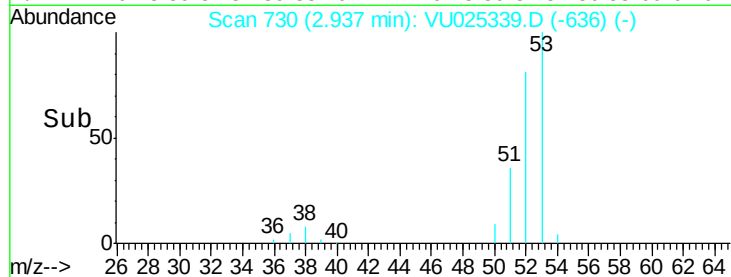
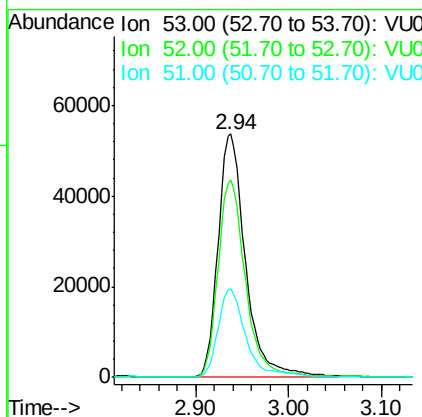
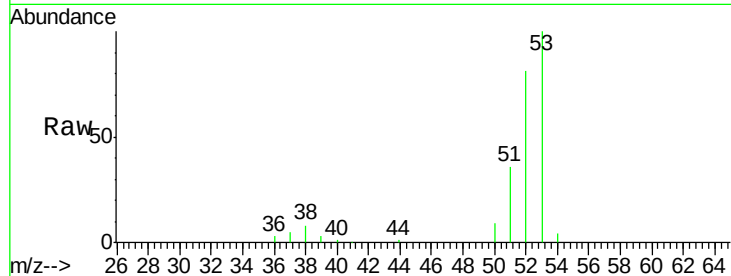
ClientSampleId :

VU0712WBS01

Tot Ion:	53	Resp:	110397
Ion	Ratio	Lower	Upper
53	100		
52	80.7	66.6	99.8
51	37.1	29.4	44.2

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#16

Acetone

Concen: 105.108 ug/l

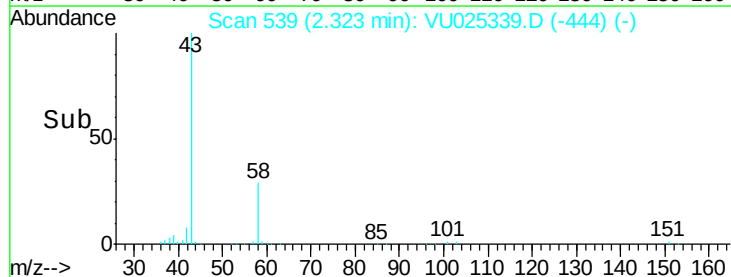
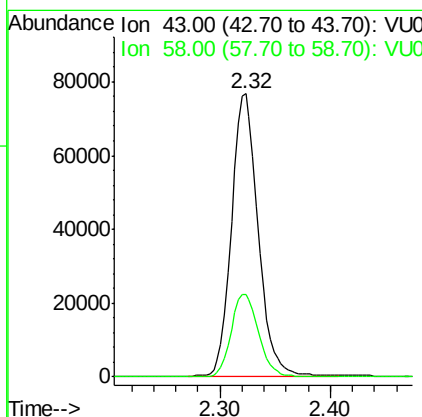
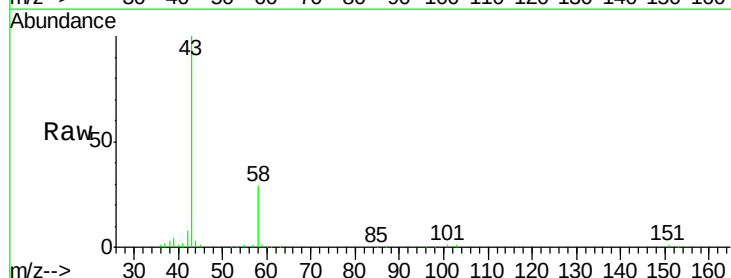
RT: 2.32 min Scan# 539

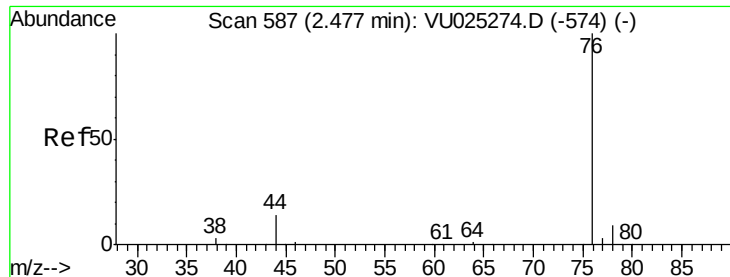
Delta R.T. 0.00 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

Tgt Ion:	43	Resp:	128433
Ion	Ratio	Lower	Upper
43	100		
58	29.2	23.1	34.7





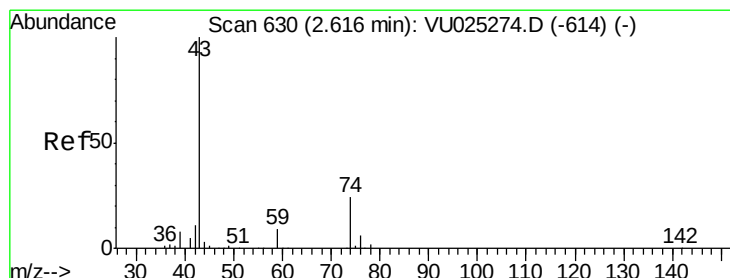
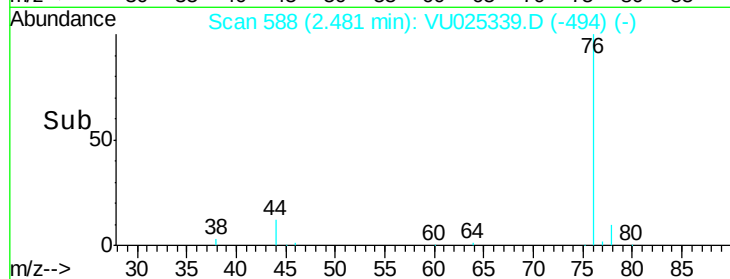
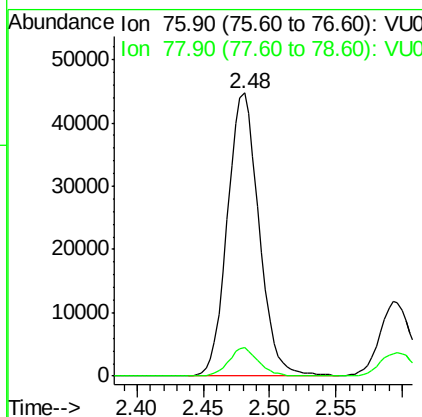
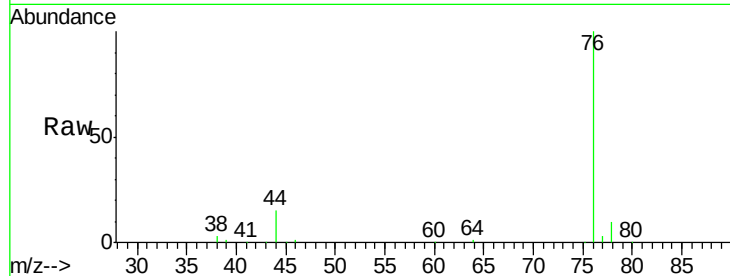
#17
Carbon Disulfide
Concen: 17.159 ug/l
RT: 2.48 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS01

Tot Ion: 76 Resp: 74355
Ion Ratio Lower Upper
76 100
78 10.0 7.4 11.2

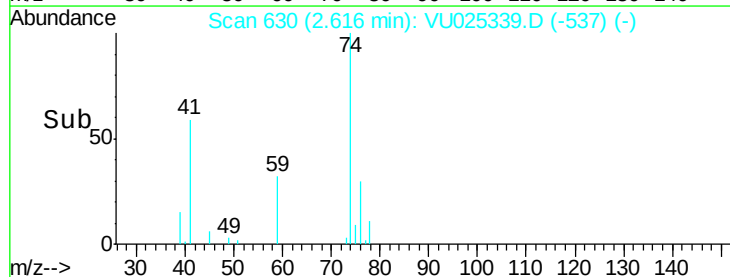
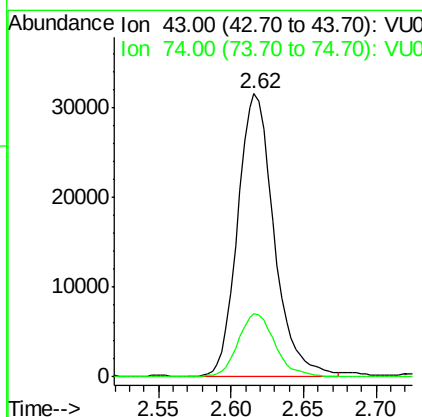
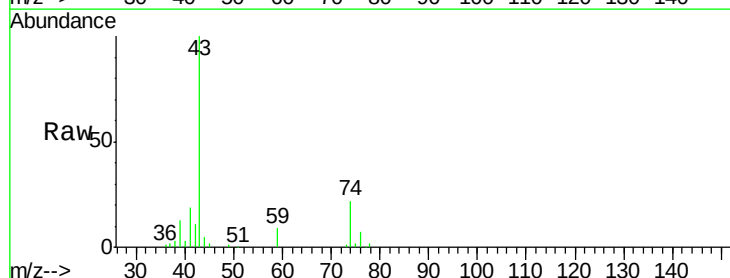
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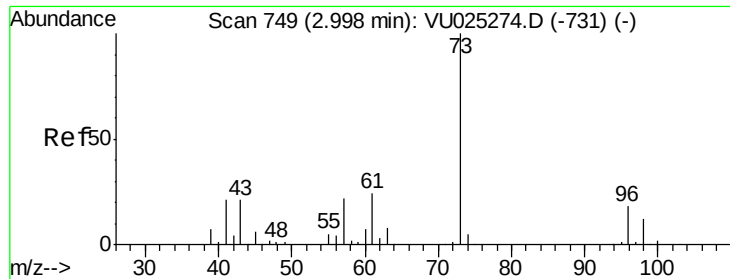
MMDadoda
7/13/2018 11:44:14 AM



#18
Methyl Acetate
Concen: 21.917 ug/l
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

Tgt Ion: 43 Resp: 55247
Ion Ratio Lower Upper
43 100
74 22.6 18.5 27.7





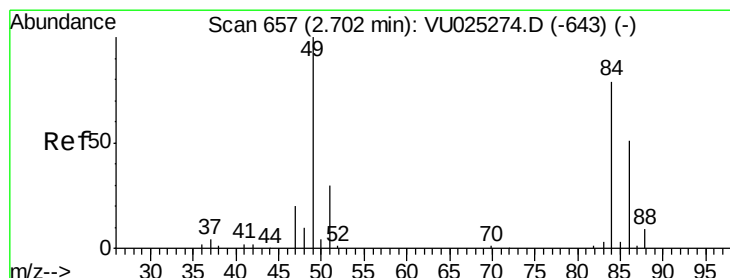
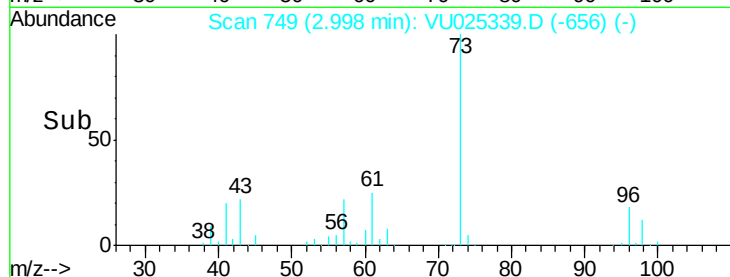
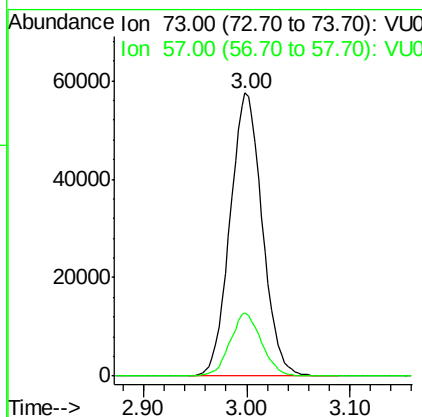
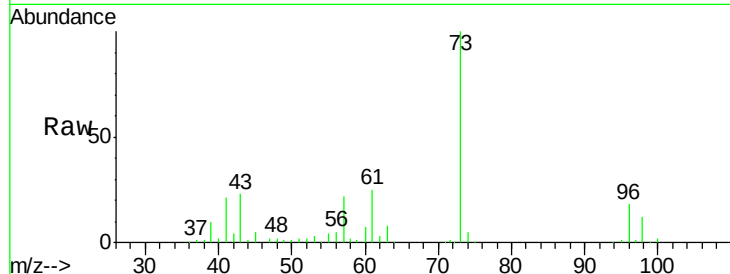
#19
Methyl tert-butyl Ether
Concen: 20.445 ug/l
RT: 3.00 min Scan# 749
Delta R.T. 0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS01

Tot Ion: 73 Resp: 124915
Ion Ratio Lower Upper
73 100
57 22.2 17.4 26.2

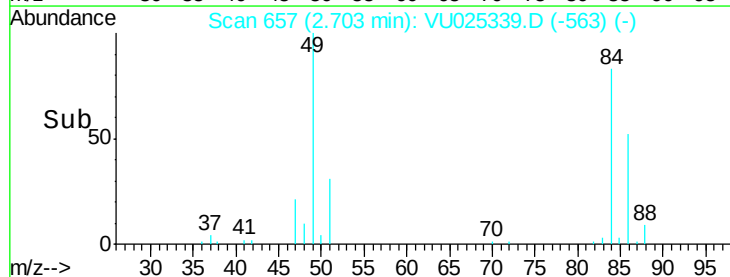
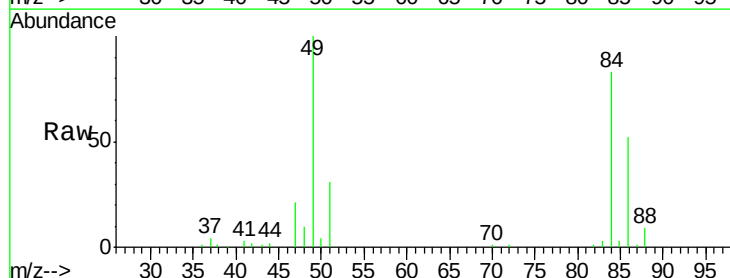
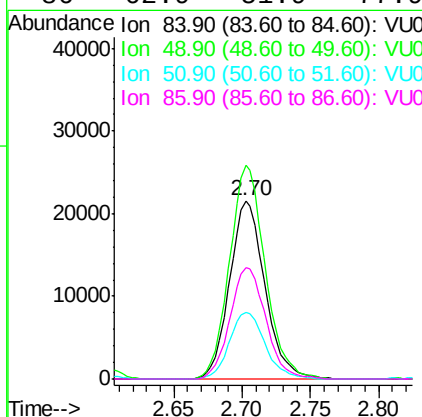
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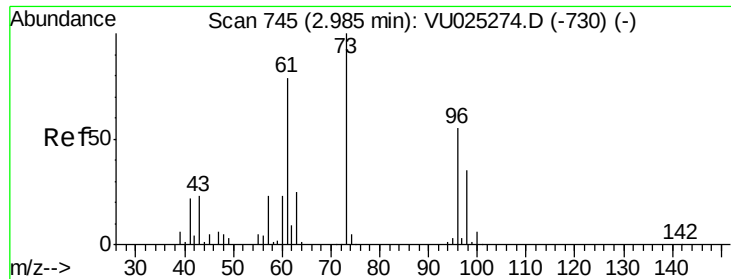
MMDadoda
7/13/2018 11:44:14 AM



#20
Methylene Chloride
Concen: 20.738 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

Tgt Ion: 84 Resp: 38716
Ion Ratio Lower Upper
84 100
49 120.0 101.8 152.6
51 37.6 30.8 46.2
86 62.9 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 18.393 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBS01

Tot Ion: 96 Resp: 33763

Ion Ratio Lower Upper

96 100

61 155.0 114.5 171.7

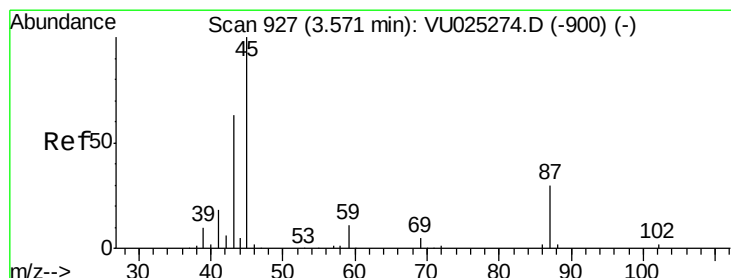
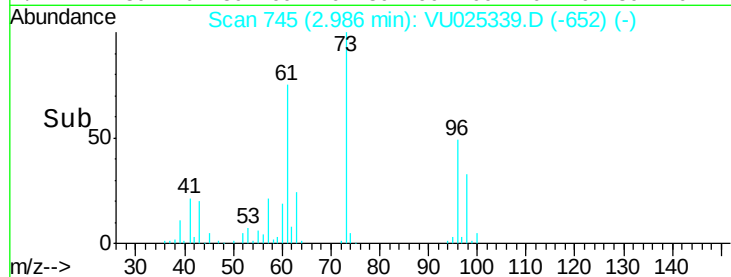
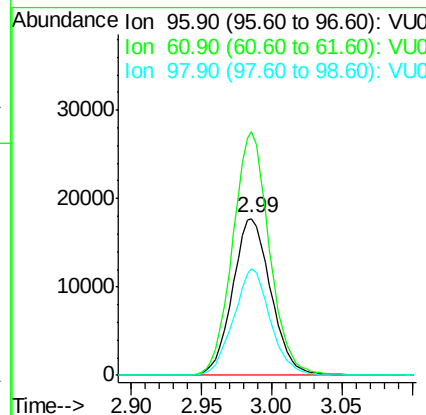
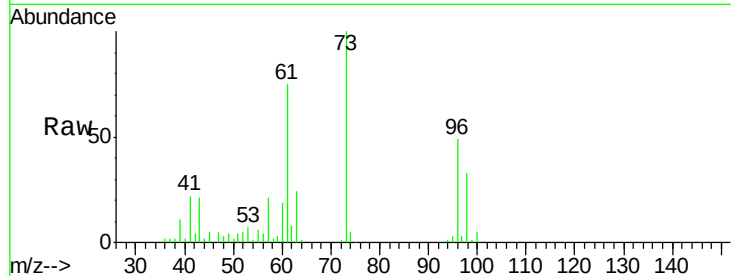
98 67.5 50.5 75.7

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#22

Diisopropyl ether

Concen: 20.382 ug/l

RT: 3.57 min Scan# 927

Delta R.T. 0.00 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

Tgt Ion: 45 Resp: 121261

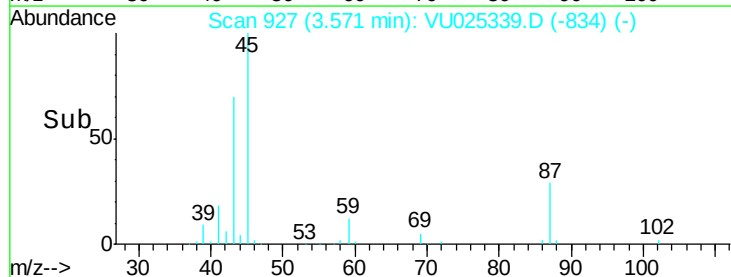
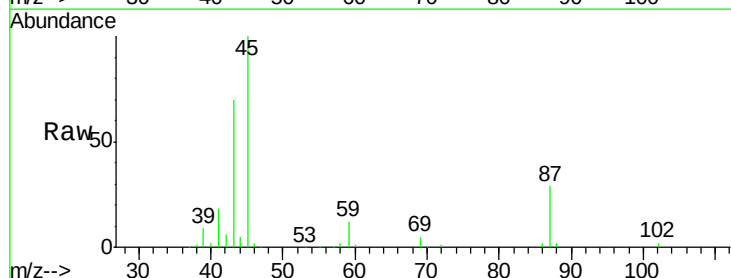
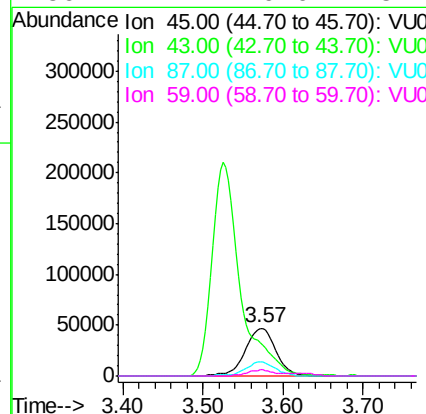
Ion Ratio Lower Upper

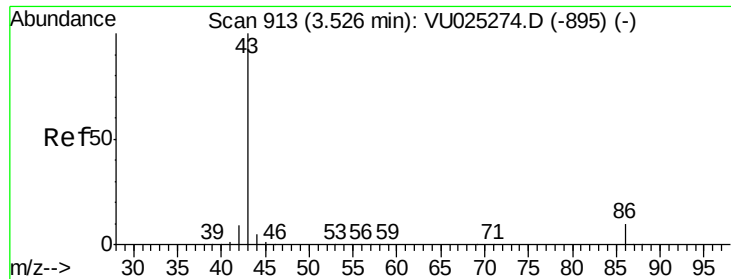
45 100

43 69.1 50.9 76.3

87 29.2 23.8 35.8

59 12.4 9.0 13.4





#23

Vinyl Acetate

Concen: 98.888 ug/l

RT: 3.53 min Scan# 913

Delta R.T. 0.00 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBS01

Tot Ion: 43 Resp: 516089

Ion Ratio Lower Upper

43 100

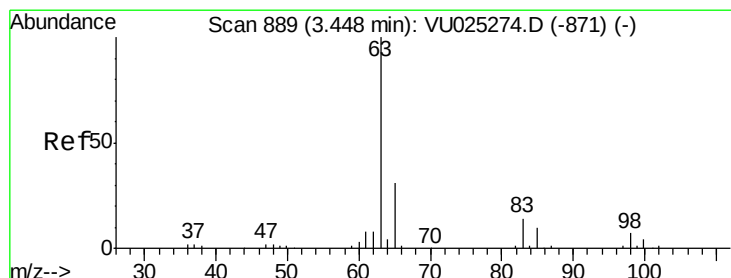
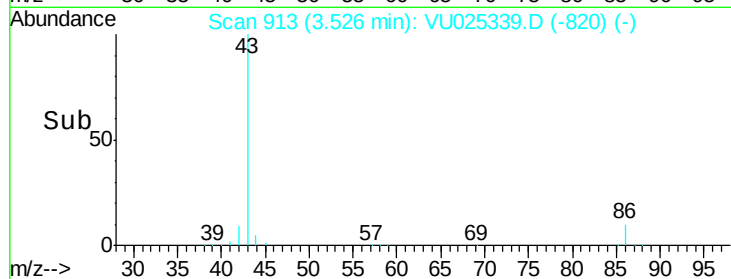
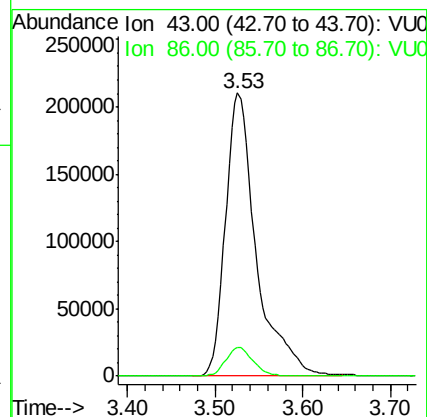
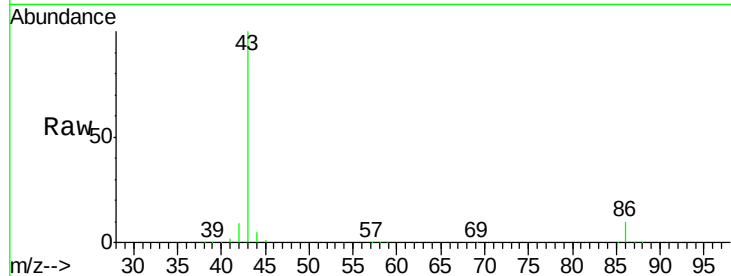
86 10.2 8.2 12.2

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#24

1,1-Dichloroethane

Concen: 20.950 ug/l

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

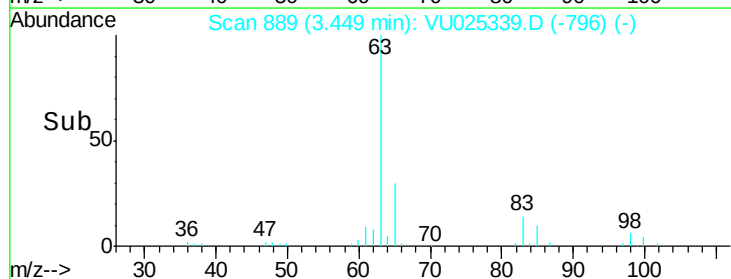
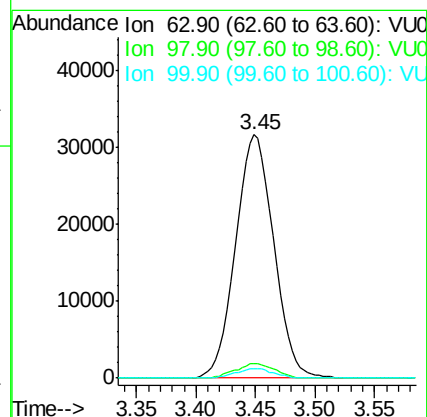
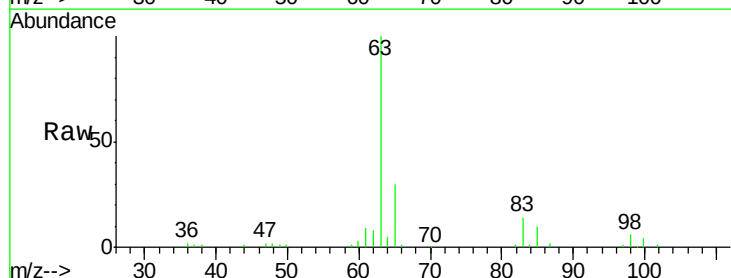
Tgt Ion: 63 Resp: 70291

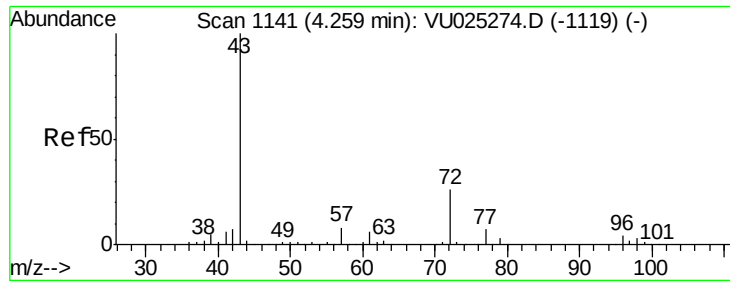
Ion Ratio Lower Upper

63 100

98 6.1 3.4 10.1

100 3.8 2.0 6.0





#25

2-Butanone

Concen: 98.783 ug/l

RT: 4.26 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBS01

Tot Ion: 43 Resp: 168567

Ion Ratio Lower Upper

43 100

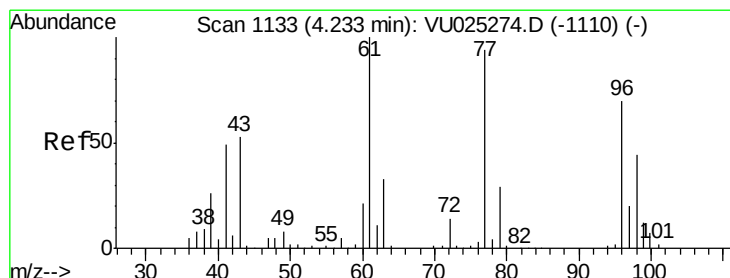
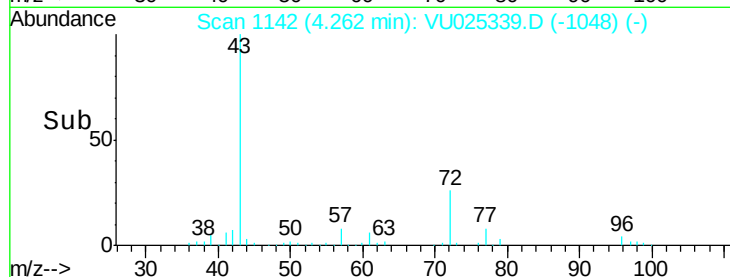
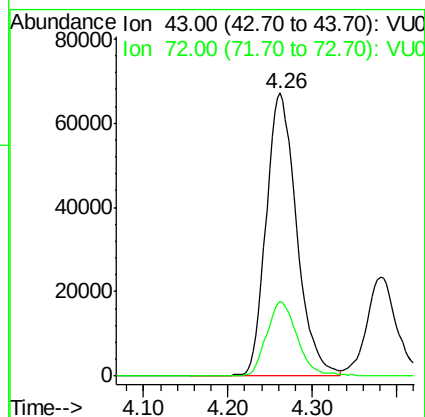
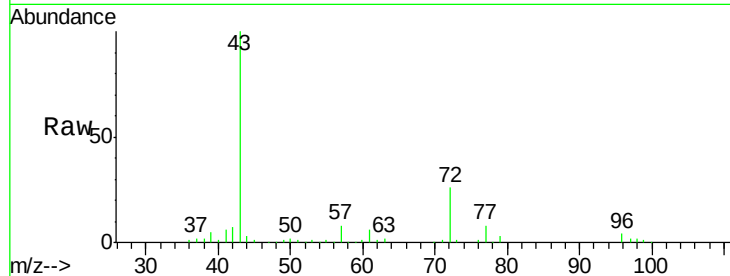
72 26.4 21.0 31.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.080 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU025339.D

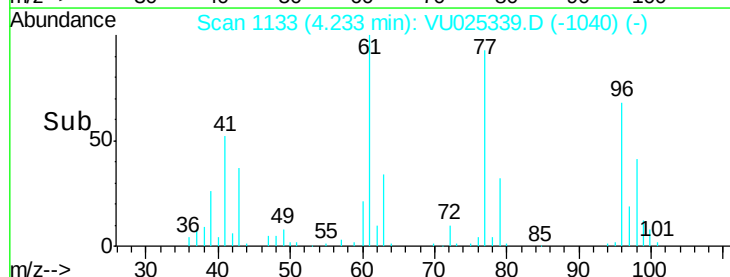
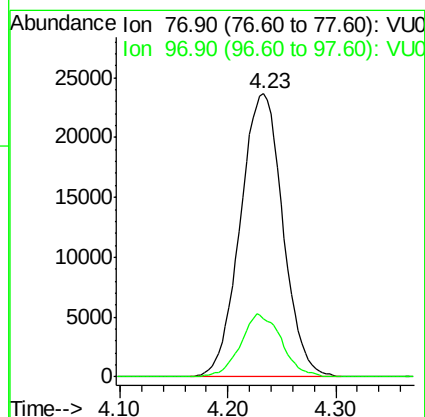
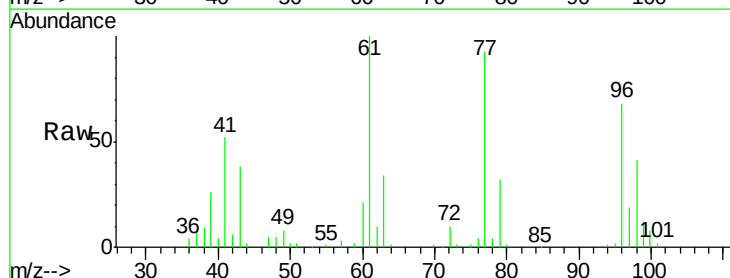
Acq: 12 Jul 2018 15:06

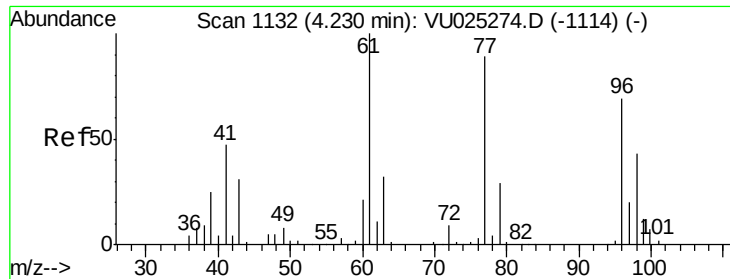
Tgt Ion: 77 Resp: 64778

Ion Ratio Lower Upper

77 100

97 21.4 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 19.609 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

Instrument :

MSVOA_U

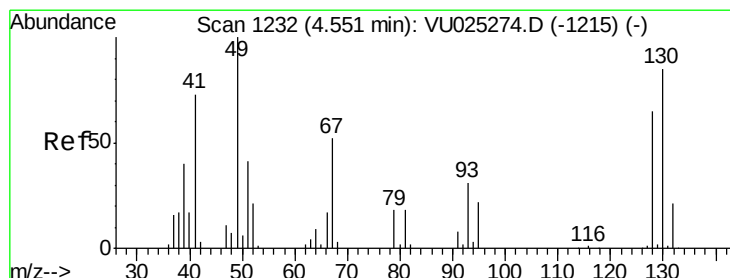
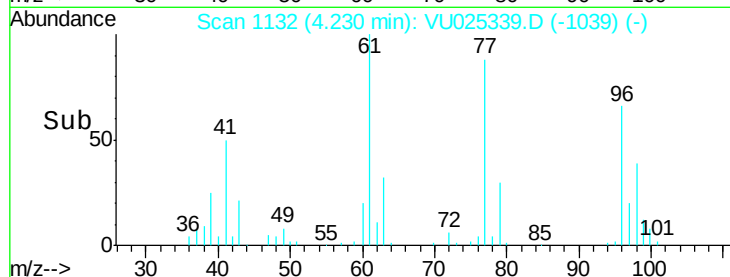
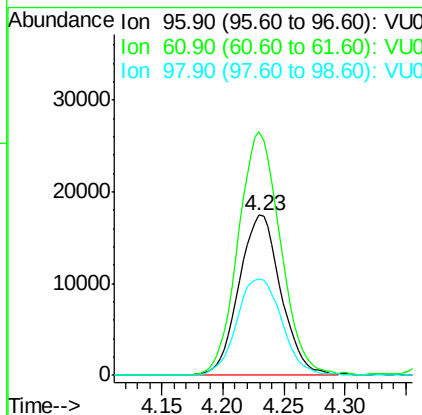
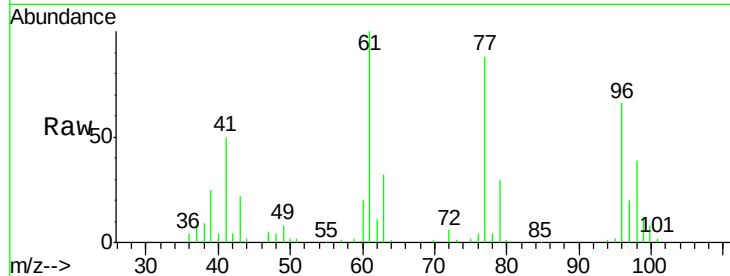
ClientSampleId :

VU0712WBS01

Tot Ion:	96	Resp:	41647
Ion	Ratio	Lower	Upper
96	100		
61	153.0	0.0	299.8
98	64.9	0.0	128.6

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#28

Bromochloromethane

Concen: 13.910 ug/l

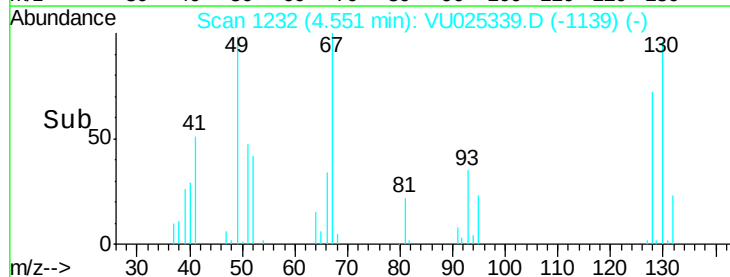
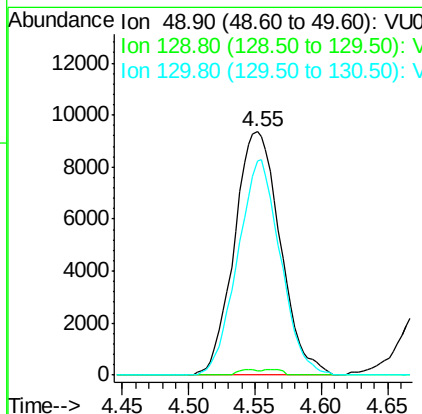
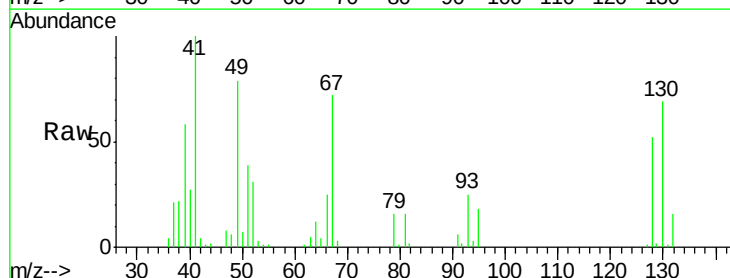
RT: 4.55 min Scan# 1232

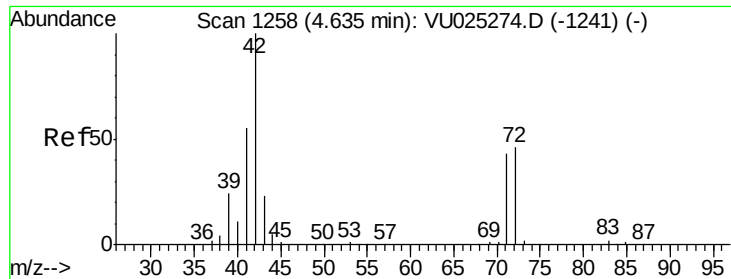
Delta R.T. 0.00 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

Tgt Ion:	49	Resp:	22536
Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	4.6
130	82.7	68.6	102.8





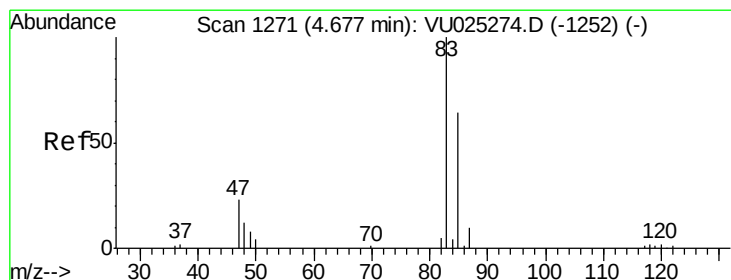
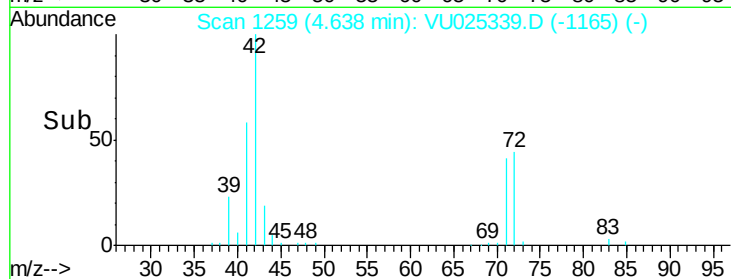
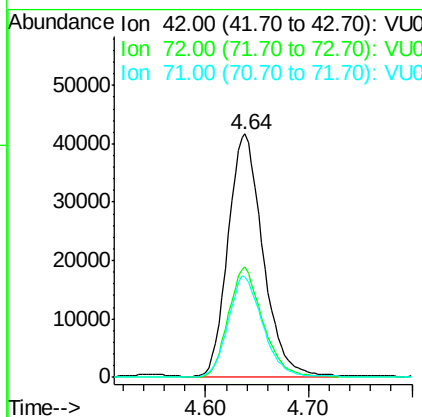
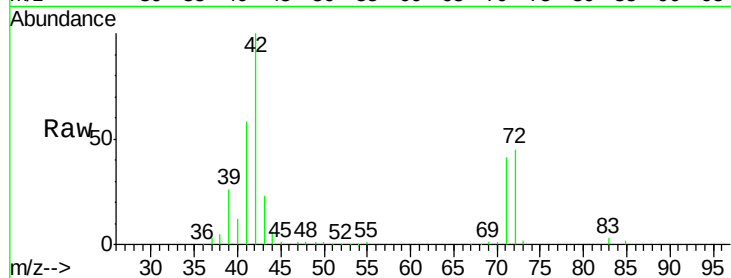
#29
Tetrahydrofuran
Concen: 95.587 ug/l
RT: 4.64 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

Instrument :
MSVOA_U
ClientSampled :
VU0712WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.2	36.7	55.1
71	41.5	33.9	50.9

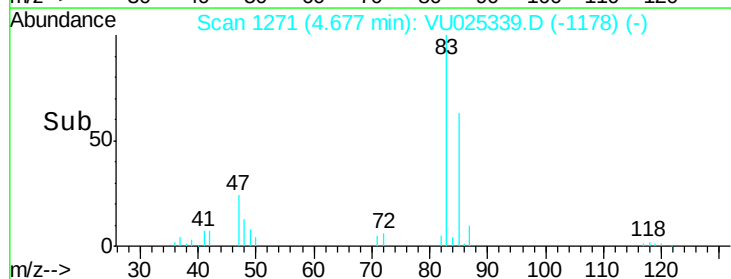
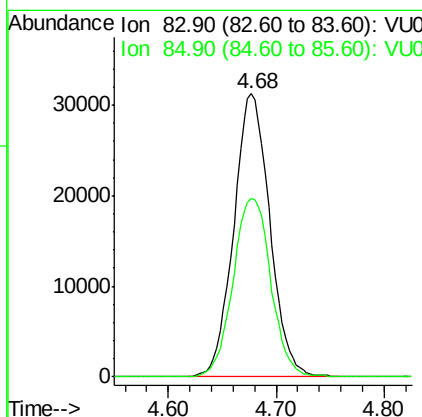
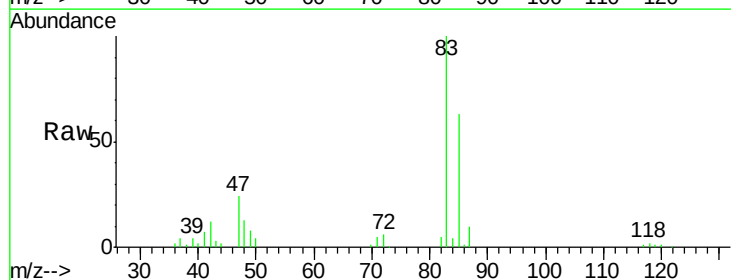
Manual Integrations
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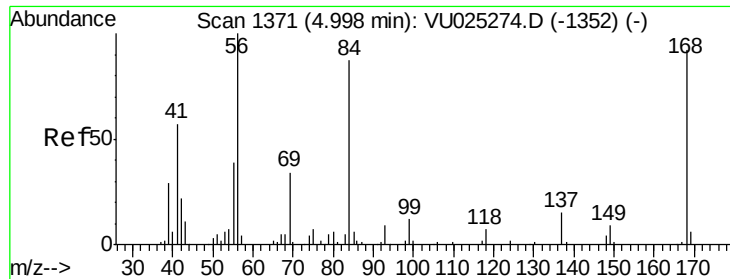
MMDadoda
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#30
Chloroform
Concen: 20.488 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.5	77.3





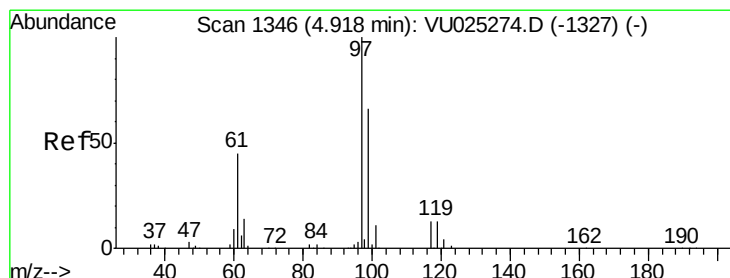
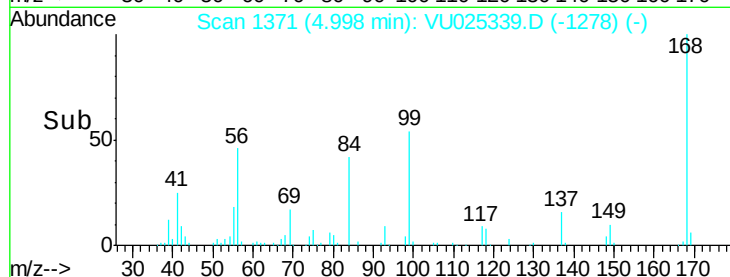
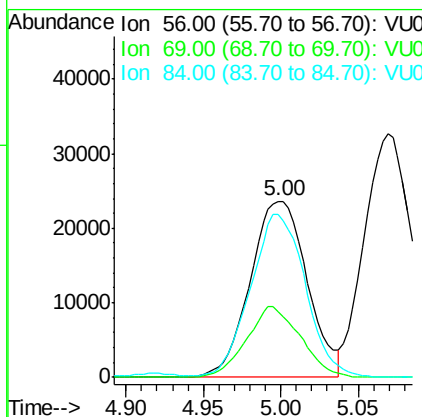
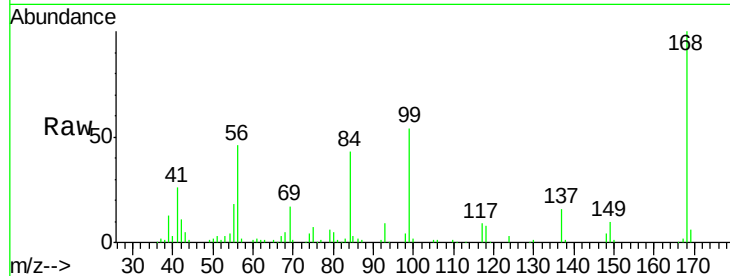
#31
Cyclohexane
Concen: 19.947 ug/l
RT: 5.00 min Scan# 1371
Delta R.T. 0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.5	26.8	40.2
84	91.4	69.7	104.5

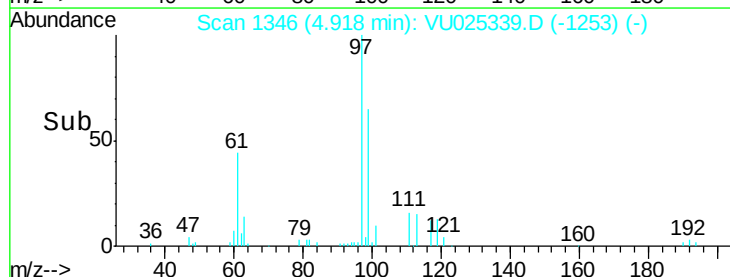
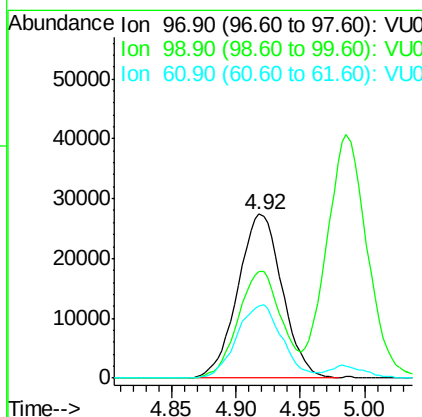
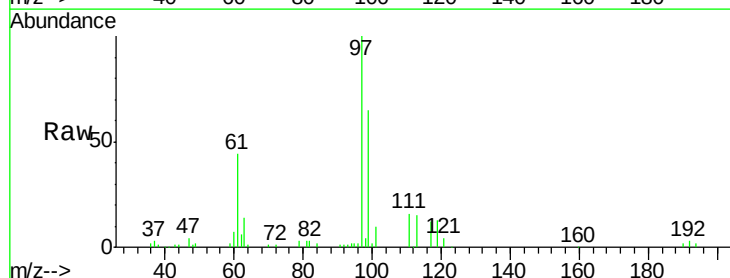
Manual Integrations
APPROVED

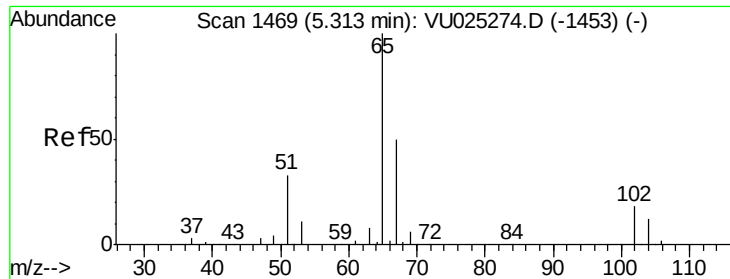
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 20.410 ug/l
RT: 4.92 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	50.8	76.2
61	45.6	35.2	52.8





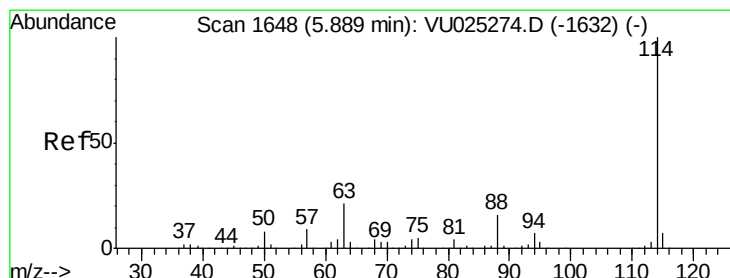
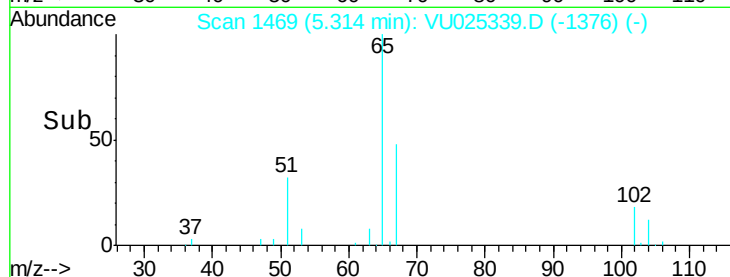
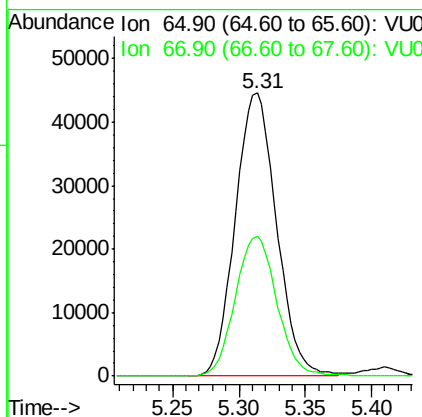
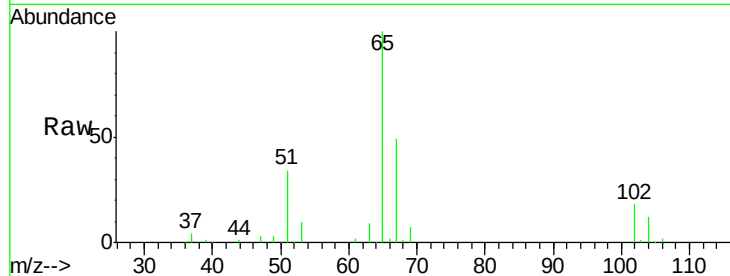
#33
 1,2-Dichloroethane-d4
 Concen: 39.175 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025339.D
 Acq: 12 Jul 2018 15:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.1	0.0	103.6

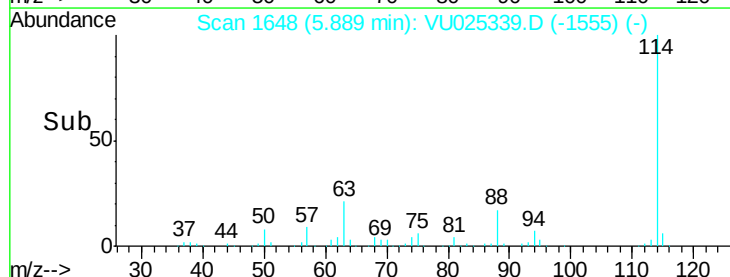
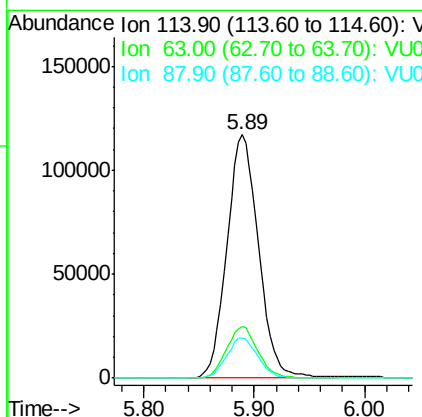
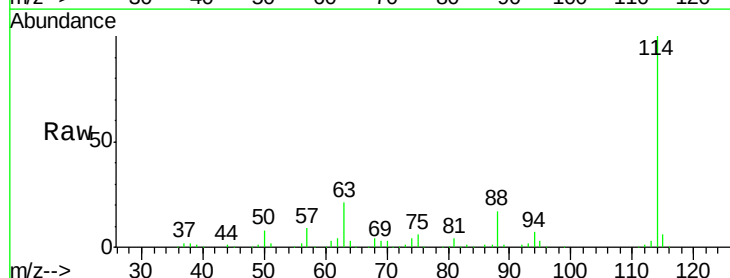
Manual Integrations
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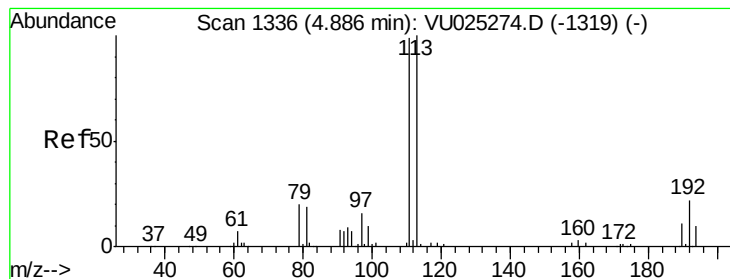
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. 0.00 min
 Lab File: VU025339.D
 Acq: 12 Jul 2018 15:06

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	41.6
88	16.7	0.0	32.4





#35

Dibromofluoromethane

Concen: 38.738 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBS01

Tot Ion:113 Resp: 75996

Ion Ratio Lower Upper

113 100

111 103.4 81.7 122.5

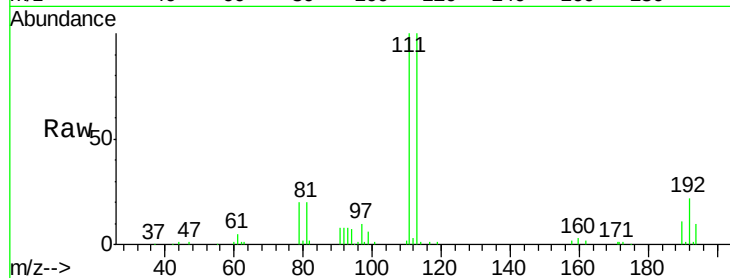
192 22.1 17.1 25.7

Manual Integrations

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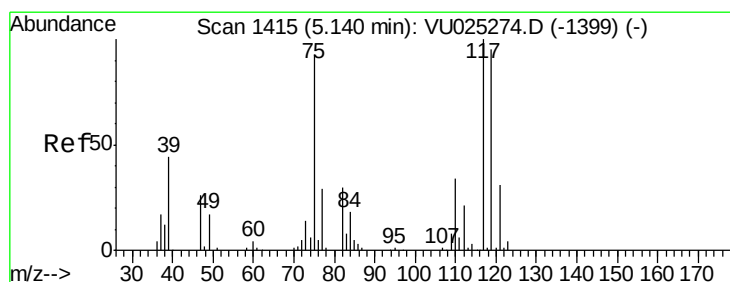
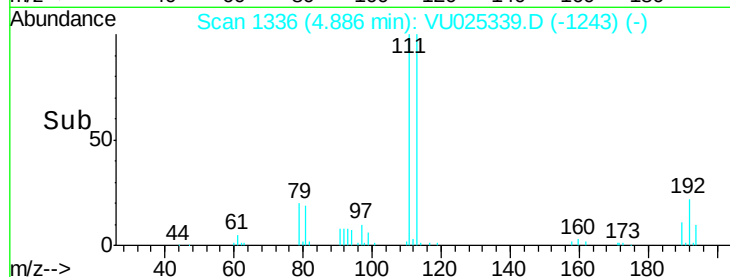
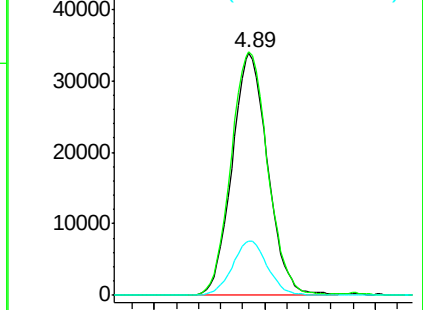
7/13/2018 11:44:14 AM



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.618 ug/l

RT: 5.14 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

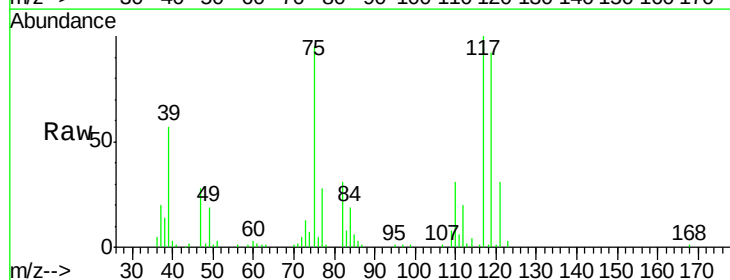
Tgt Ion: 75 Resp: 50719

Ion Ratio Lower Upper

75 100

110 35.9 17.6 52.9

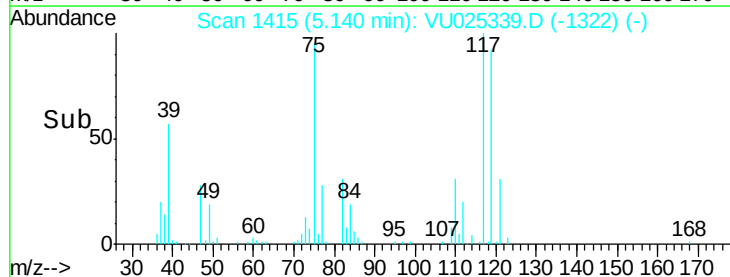
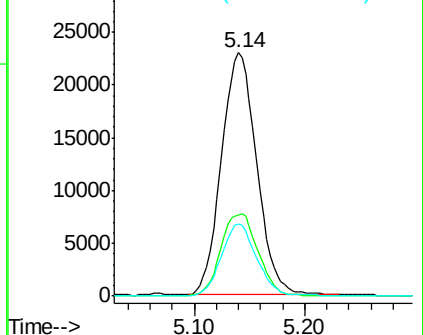
77 30.0 24.4 36.6

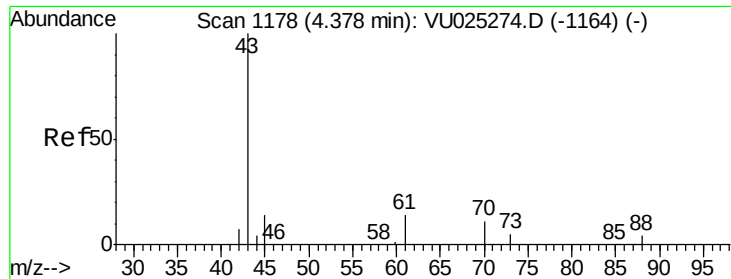


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





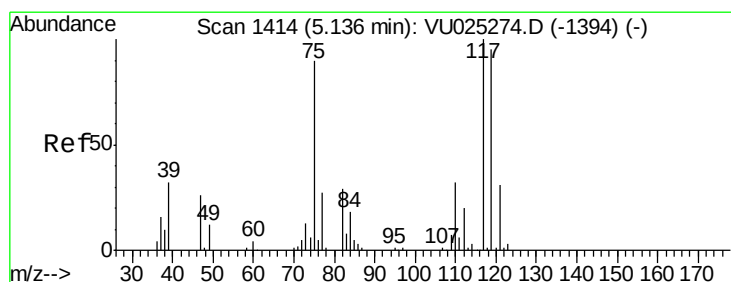
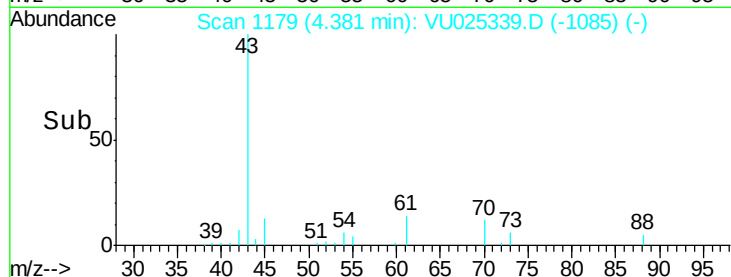
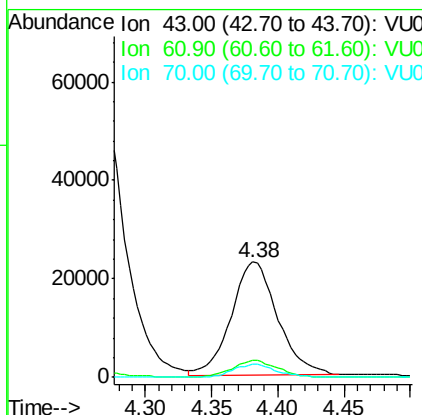
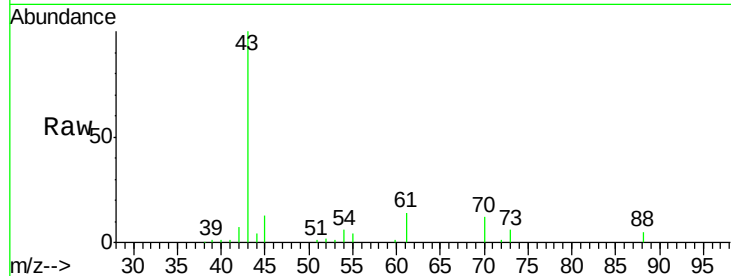
#37
Ethyl Acetate
Concen: 19.399 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	10.7	16.1
70	11.2	8.4	12.6

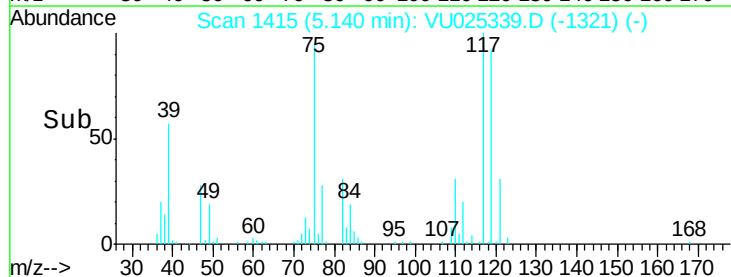
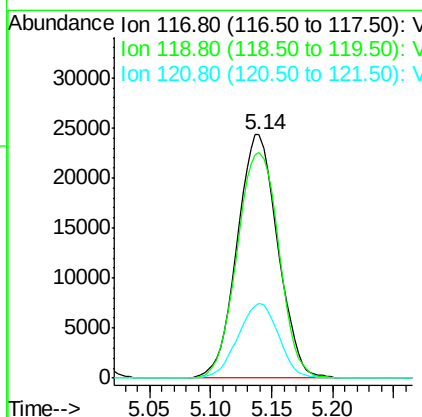
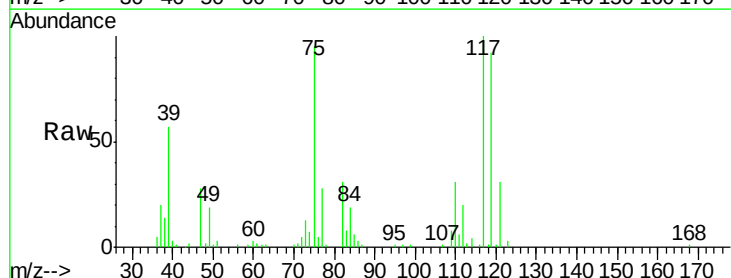
Manual Integrations
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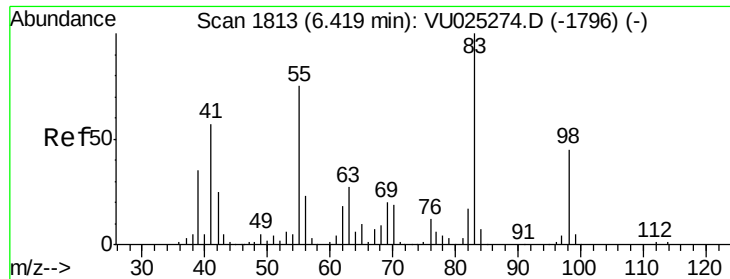
MMDadoda
7/13/2018 11:44:14 AM



#38
Carbon Tetrachloride
Concen: 20.175 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.5	75.7	113.5
121	30.8	24.6	36.8





#39

Methylvlcyclohexane

Concen: 19.017 ug/l

RT: 6.42 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

Instrument :

MSVOA_U

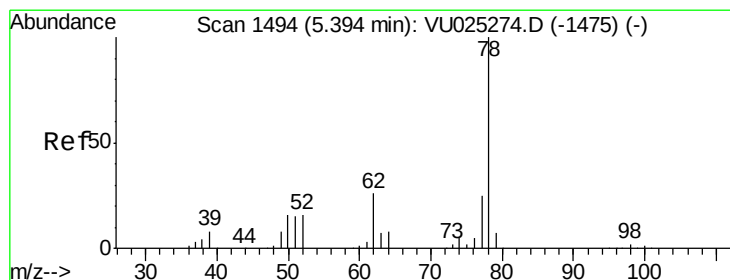
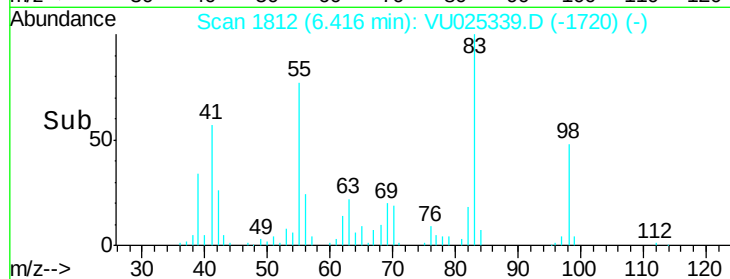
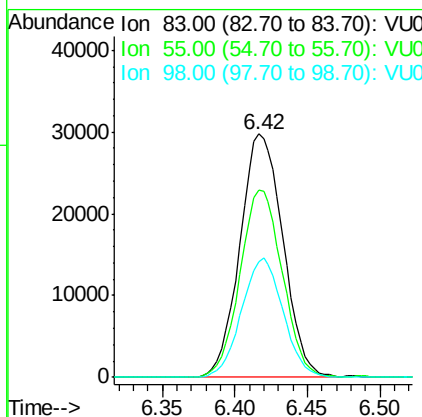
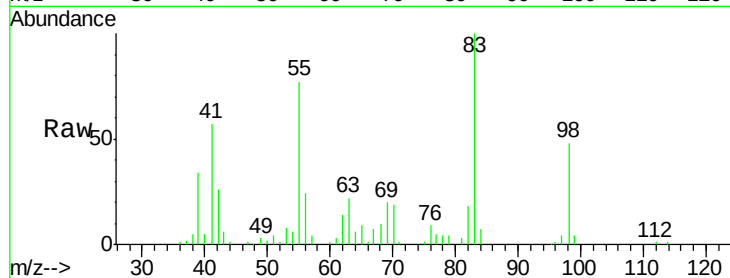
ClientSampleId :

VU0712WBS01

Tot Ion:	83	Resp:	61327
Ion	Ratio	Lower	Upper
83	100		
55	77.2	60.0	90.0
98	47.5	36.1	54.1

Manual Integrations
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#40

Benzene

Concen: 20.015 ug/l

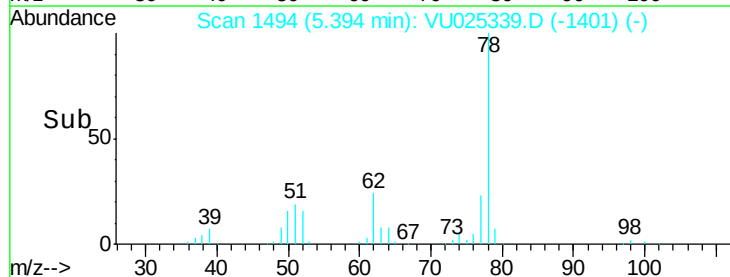
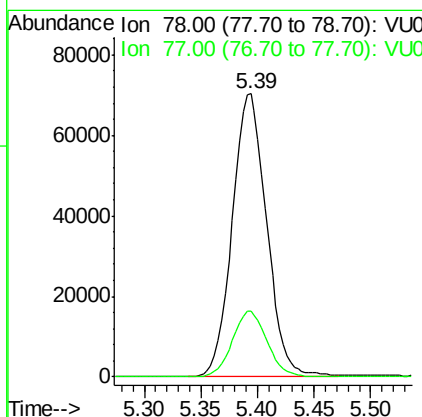
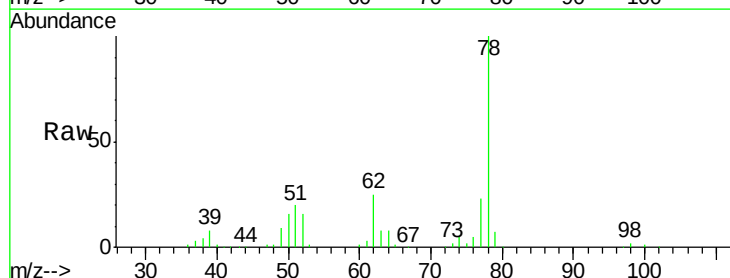
RT: 5.39 min Scan# 1494

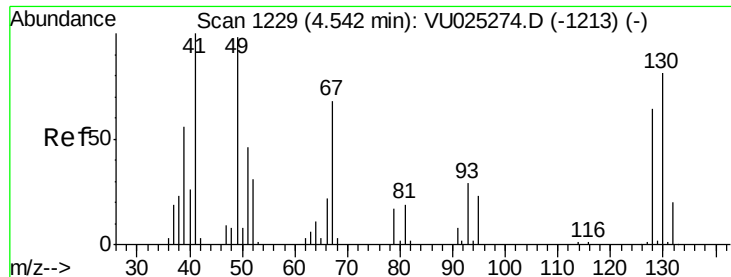
Delta R.T. 0.00 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

Tgt Ion:	78	Resp:	149122
Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.8	29.6





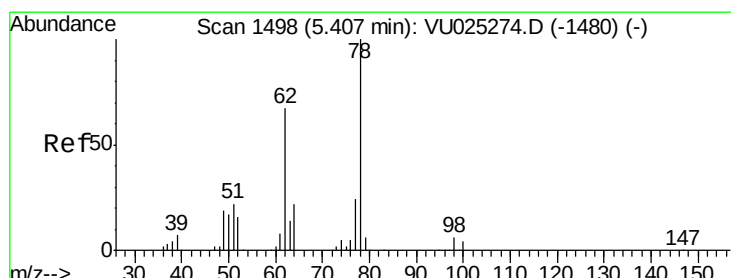
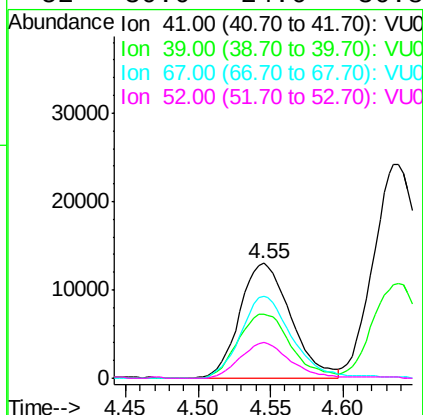
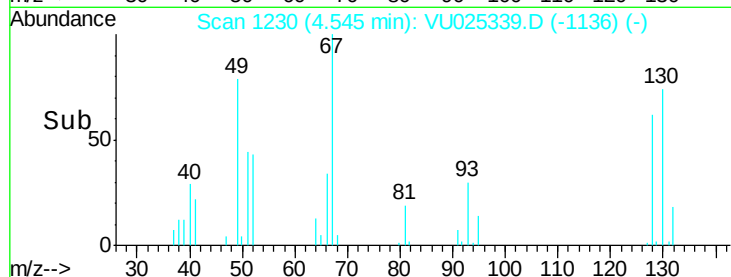
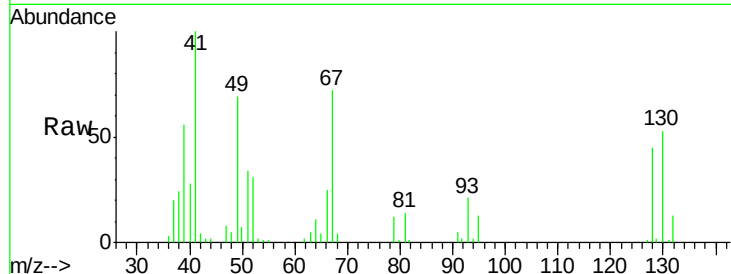
#41
Methacrylonitrile
Concen: 19.921 ug/l
RT: 4.55 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

Instrument :
MSVOA_U
ClientSampled :
VU0712WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		31845		
39	57.9	44.4	66.6		
67	71.2	56.0	84.0		
52	30.0	24.6	36.8		

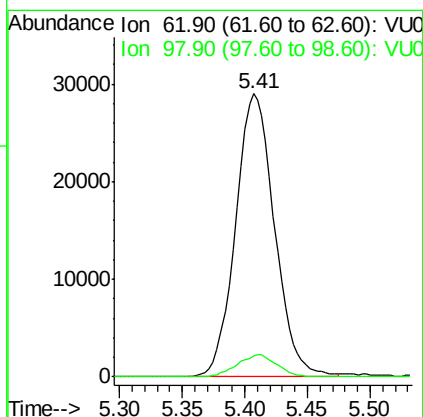
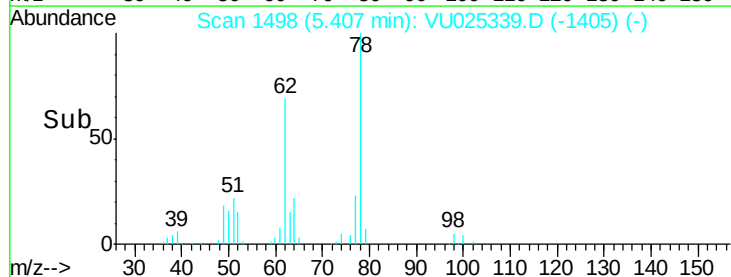
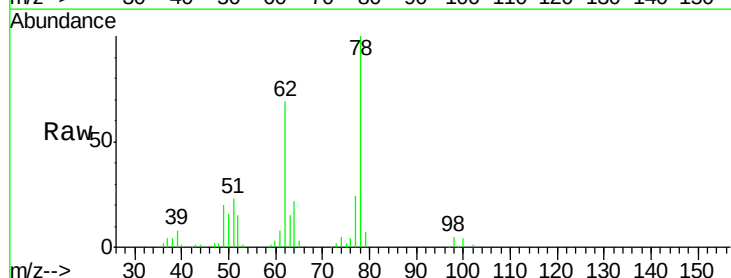
Manual Integrations
APPROVED

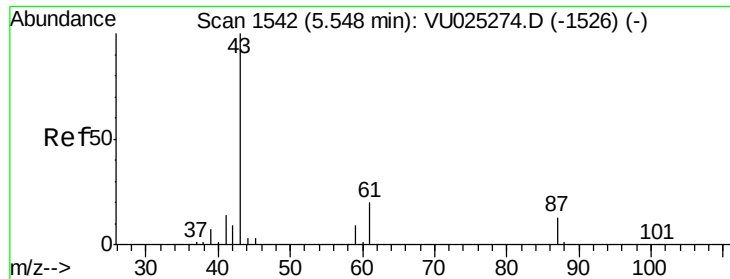
MMDadoda
7/13/2018 11:44:14 AM



#42
1,2-Dichloroethane
Concen: 21.149 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. 0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		62635		
98	7.9	0.0	16.4		





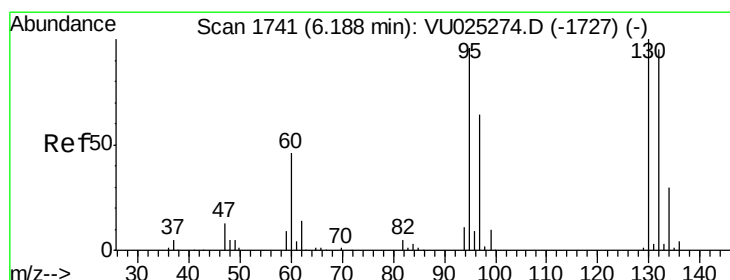
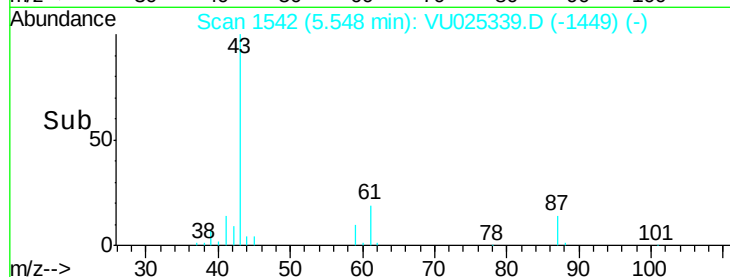
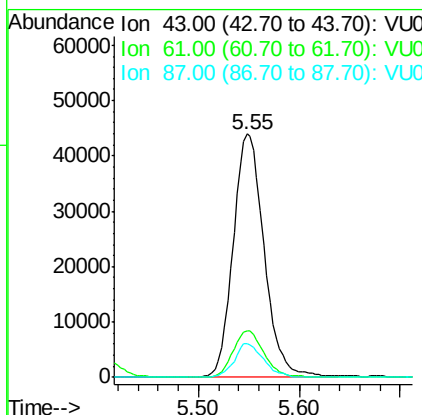
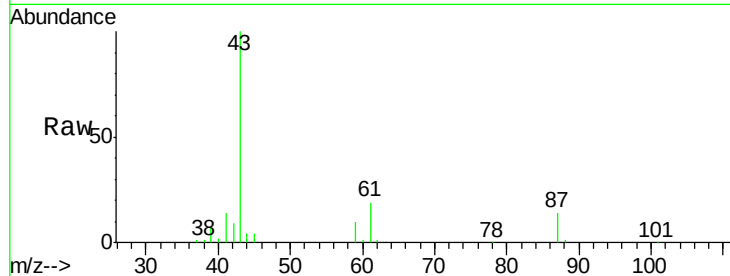
#43
Isopropyl Acetate
Concen: 20.330 ug/l
RT: 5.55 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.5	23.3
87	13.0	10.6	16.0

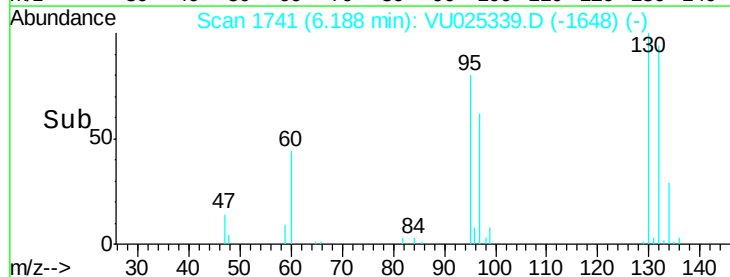
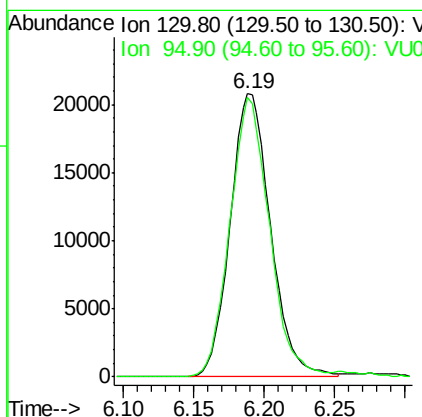
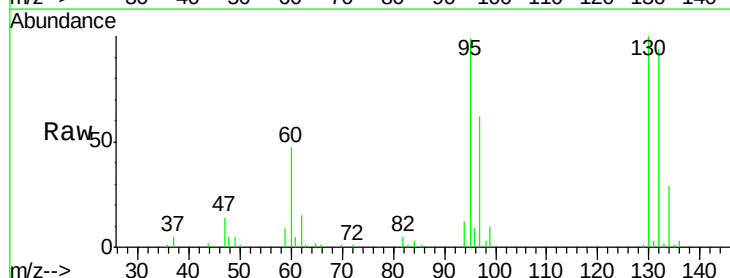
Manual Integrations
APPROVED

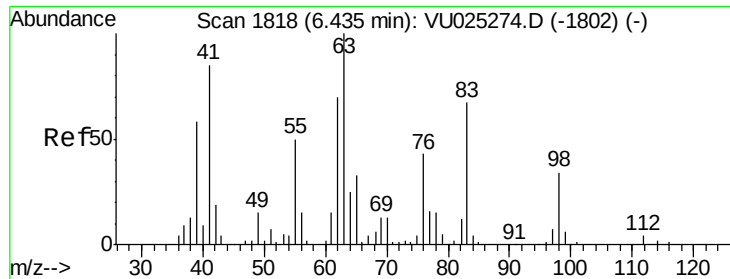
MMDadoda
7/13/2018 11:44:14 AM



#44
Trichloroethene
Concen: 19.470 ug/l
RT: 6.19 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.8	0.0	192.2





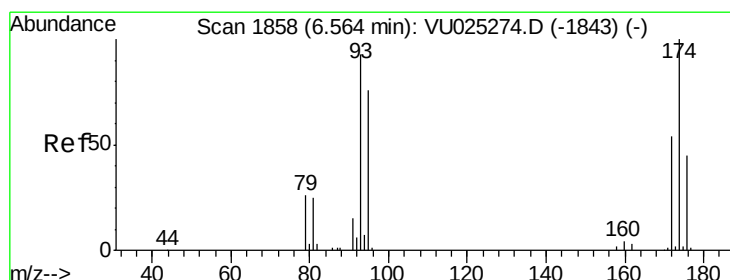
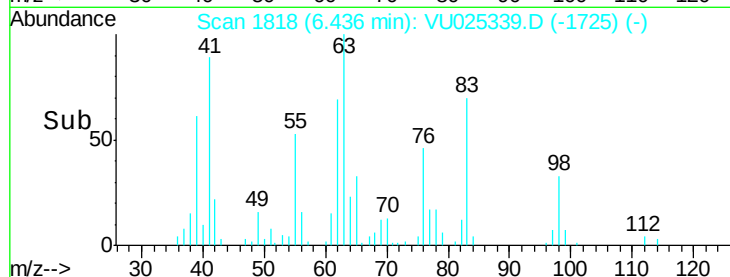
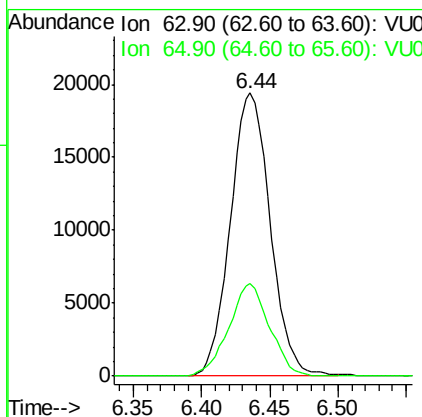
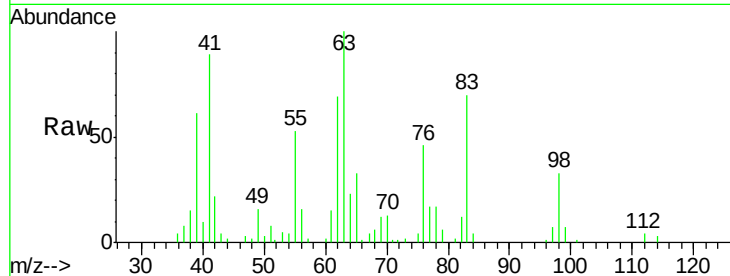
#45
1,2-Dichloropropane
Concen: 20.219 ug/l
RT: 6.44 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS01

Tot Ion: 63 Resp: 39455
Ion Ratio Lower Upper
63 100
65 32.7 26.1 39.1

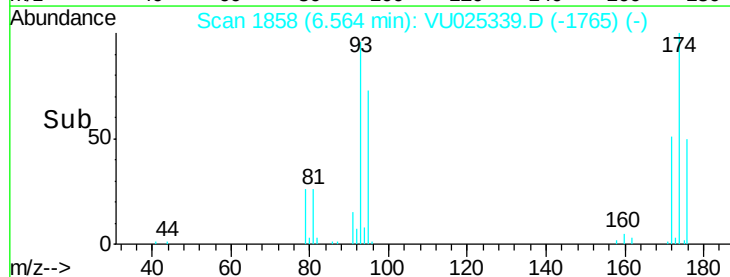
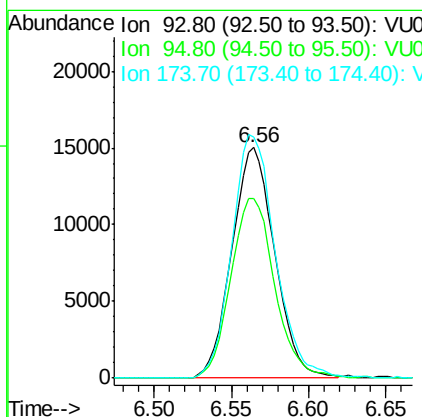
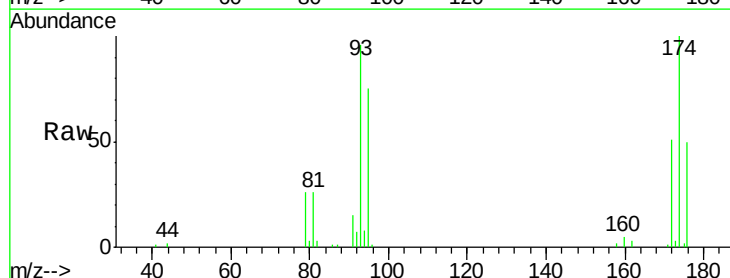
Manual Integrations
APPROVED

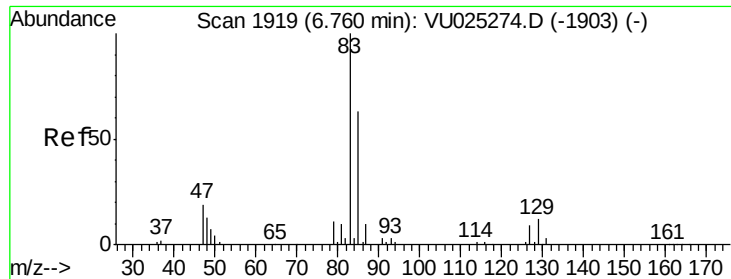
MMDadoda
7/13/2018 11:44:14 AM



#46
Dibromomethane
Concen: 20.397 ug/l
RT: 6.56 min Scan# 1858
Delta R.T. 0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

Tgt Ion: 93 Resp: 28966
Ion Ratio Lower Upper
93 100
95 79.7 66.6 100.0
174 107.2 85.8 128.8





#47

Bromodichloromethane

Concen: 20.501 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

Instrument :

MSVOA_U

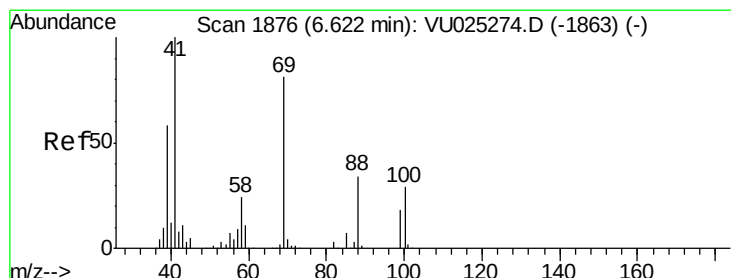
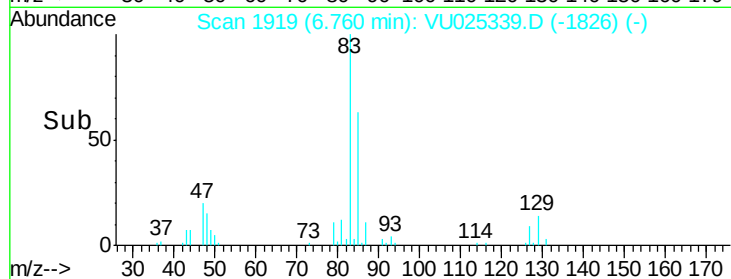
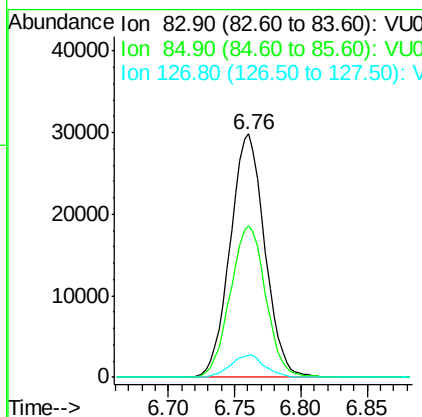
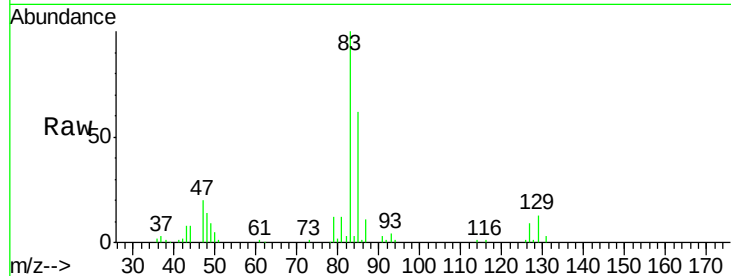
ClientSampleId :

VU0712WBS01

Tot Ion:	83	Resp:	54084
Ion	Ratio	Lower	Upper
83	100		
85	62.2	50.2	75.4
127	9.2	7.2	10.8

Manual Integrations
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MMDadoda
7/13/2018 11:44:14 AM



#48

Methyl methacrylate

Concen: 20.844 ug/l

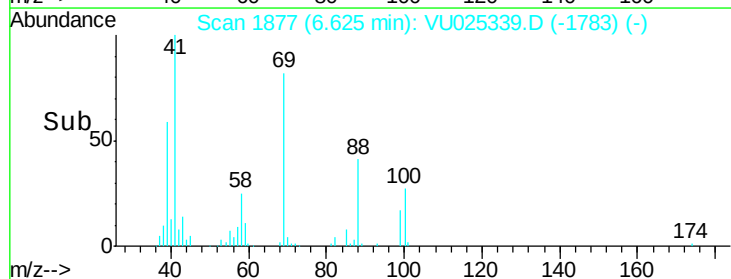
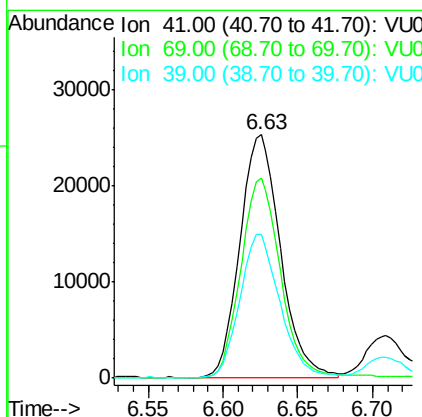
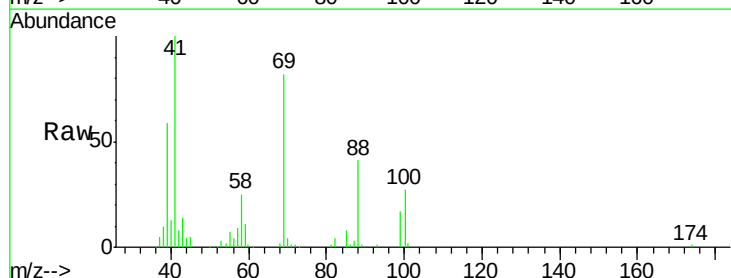
RT: 6.63 min Scan# 1877

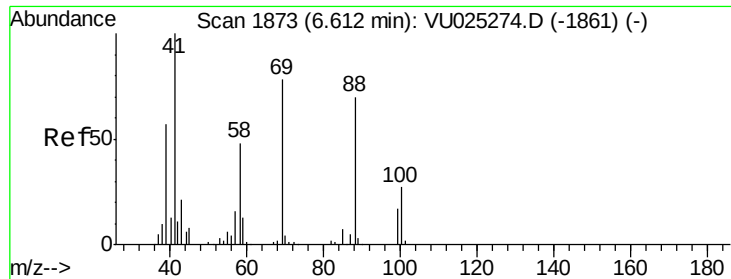
Delta R.T. 0.00 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

Tgt Ion:	41	Resp:	47978
Ion	Ratio	Lower	Upper
41	100		
69	80.2	65.0	97.4
39	58.6	46.4	69.6





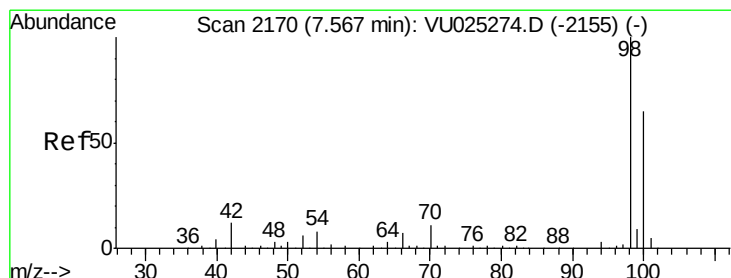
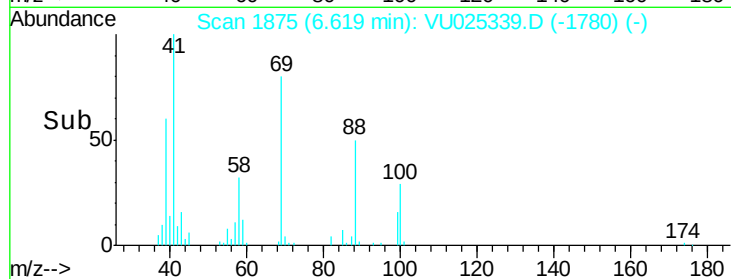
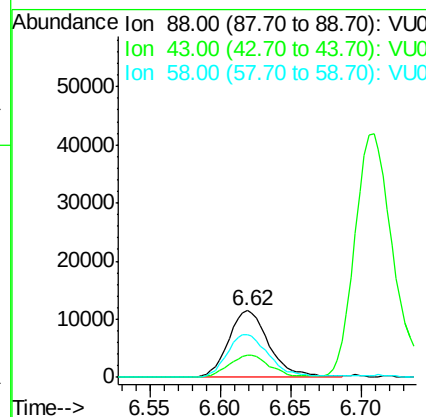
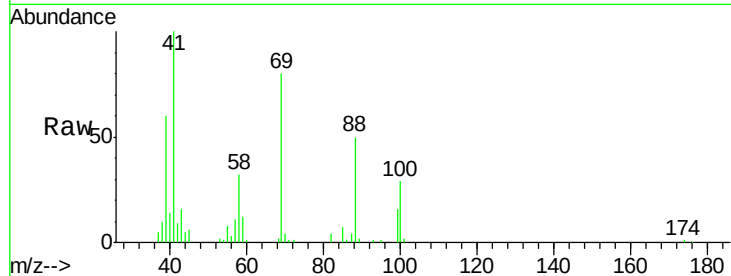
#49
1,4-Dioxane
Concen: 416.581 ug/l
RT: 6.62 min Scan# 1875
Delta R.T. 0.01 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS01

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	34.1	27.3	40.9	
58	66.6	57.6	86.4	

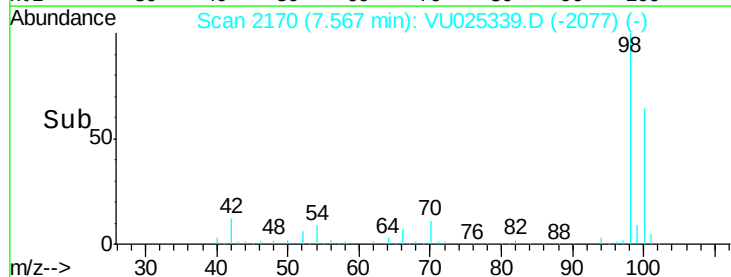
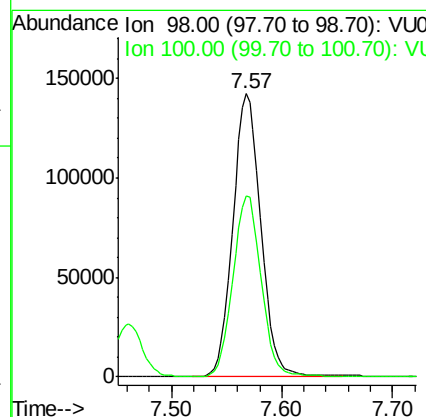
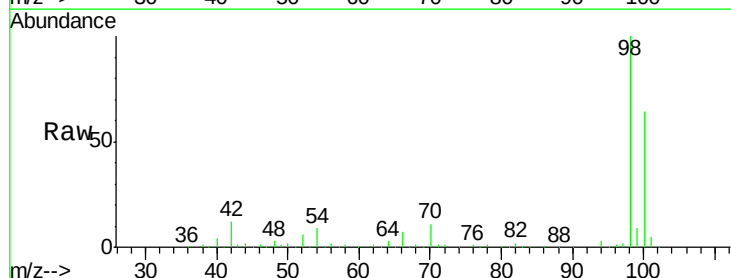
Manual Integrations
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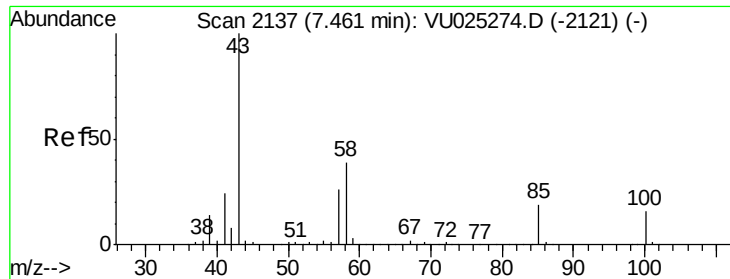
MMDadoda
7/13/2018 11:44:14 AM



#50
Toluene-d8
Concen: 37.432 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	64.7	51.1	76.7	





#51

4-Methyl-2-Pentanone

Concen: 100.580 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. 0.00 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBS01

Tot Ion: 43 Resp: 301840

Ion Ratio Lower Upper

43 100

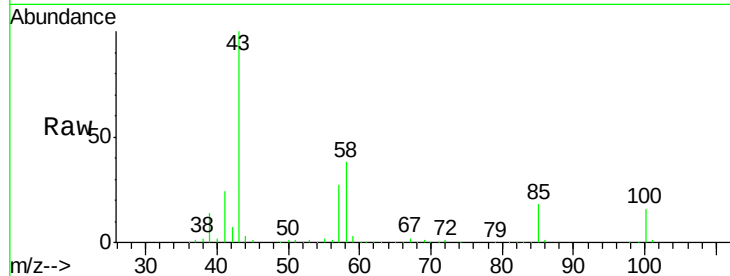
58 38.3 31.0 46.4

Manual Integrations

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MMDadoda

7/13/2018 11:44:14 AM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

200000

150000

100000

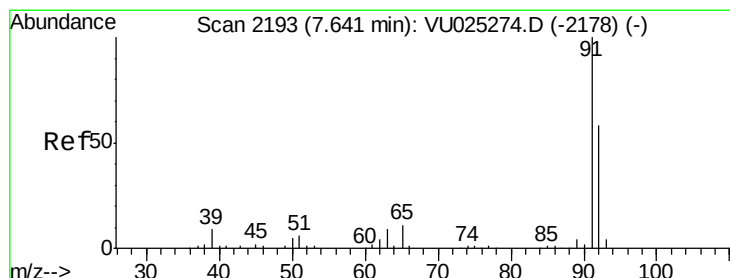
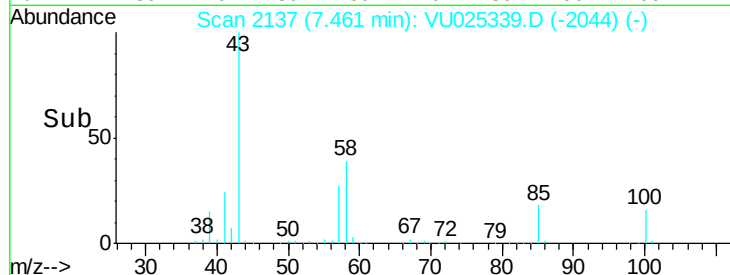
50000

0

7.46

7.40 7.50

Time-->



#52

Toluene

Concen: 20.286 ug/l

RT: 7.64 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VU025339.D

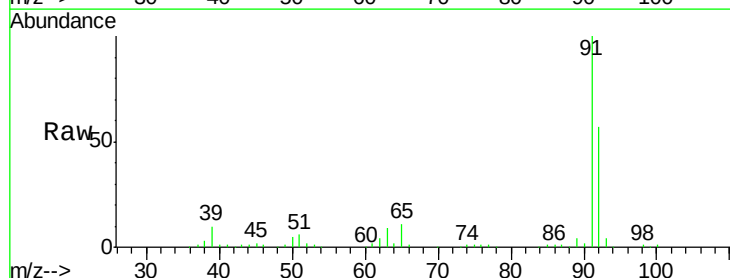
Acq: 12 Jul 2018 15:06

Tgt Ion: 92 Resp: 96155

Ion Ratio Lower Upper

92 100

91 176.4 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

100000

80000

60000

40000

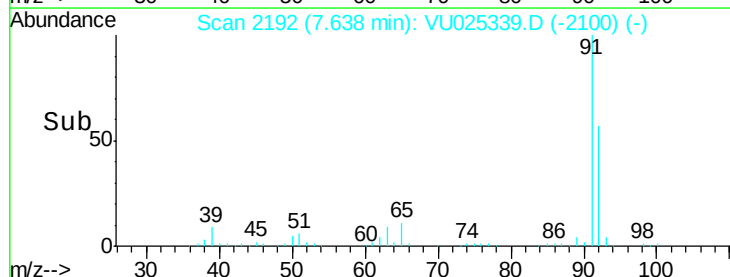
20000

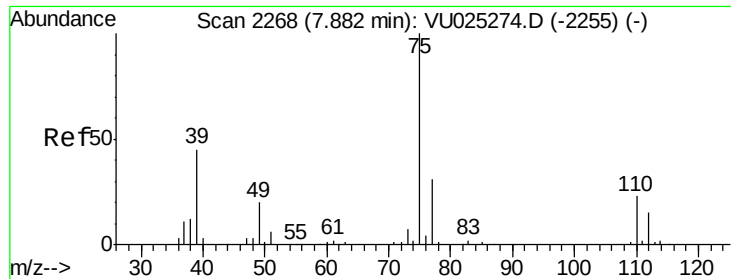
0

7.64

7.55 7.60 7.65 7.70 7.75

Time-->





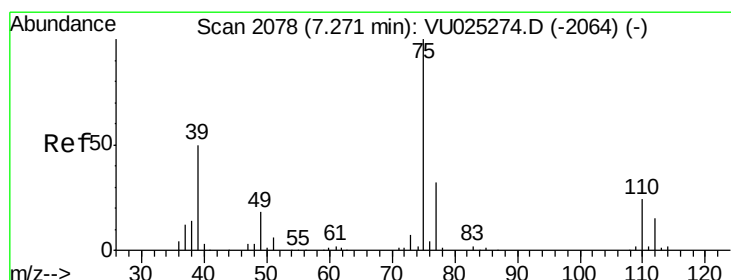
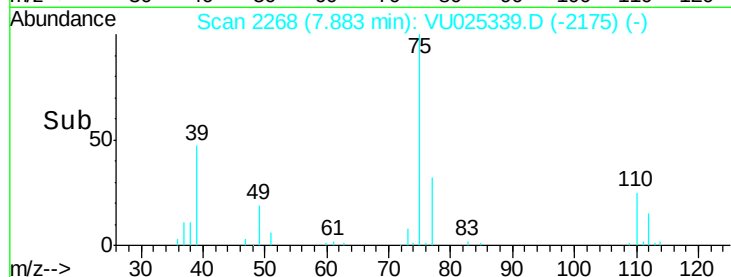
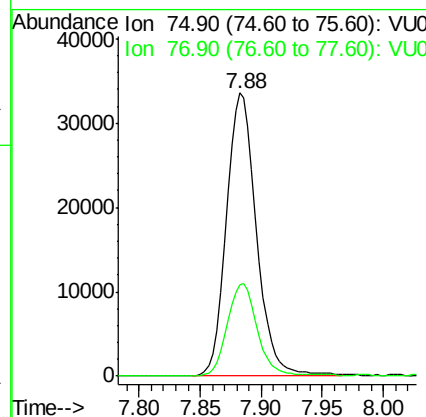
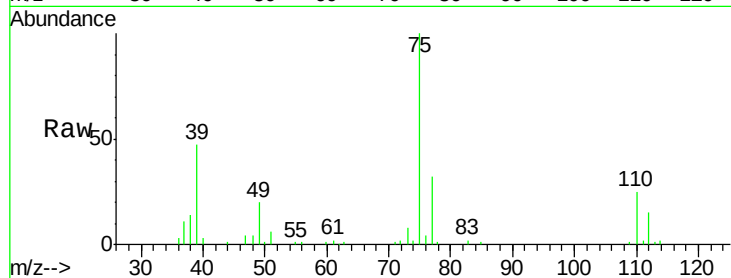
#53
t-1,3-Dichloropropene
Concen: 20.064 ug/l
RT: 7.88 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS01

Tot Ion: 75 Resp: 58157
Ion Ratio Lower Upper
75 100
77 32.3 24.5 36.7

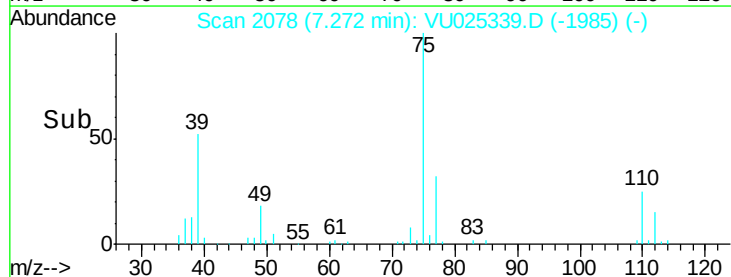
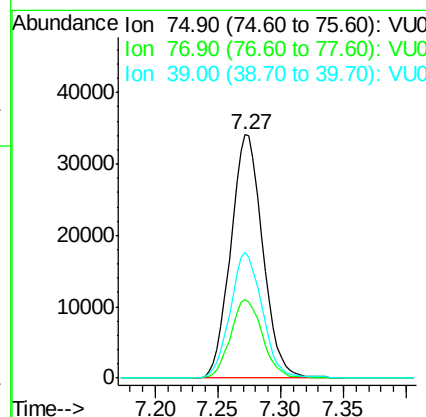
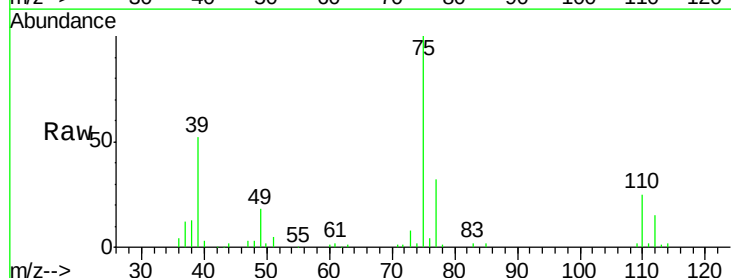
Manual Integrations
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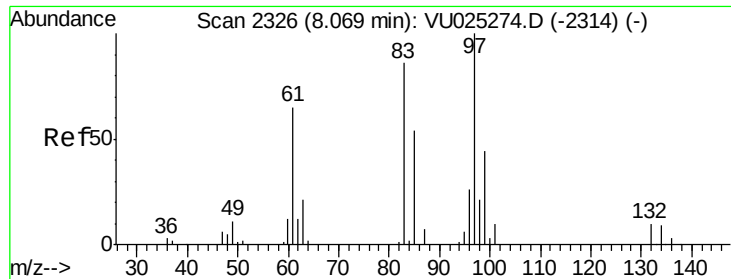
MMDadoda
7/13/2018 11:44:14 AM



#54
cis-1,3-Dichloropropene
Concen: 19.667 ug/l
RT: 7.27 min Scan# 2078
Delta R.T. 0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

Tgt Ion: 75 Resp: 60671
Ion Ratio Lower Upper
75 100
77 32.1 25.6 38.4
39 51.8 40.0 60.0





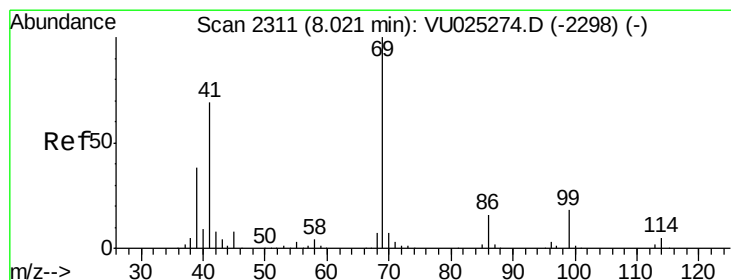
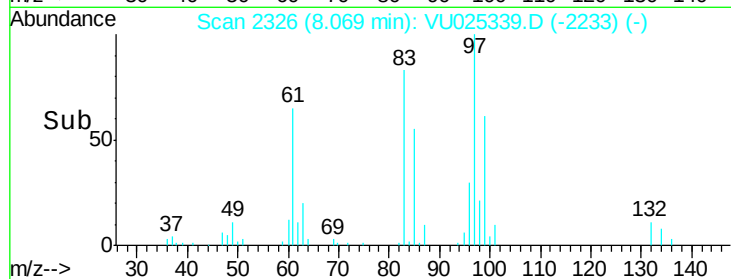
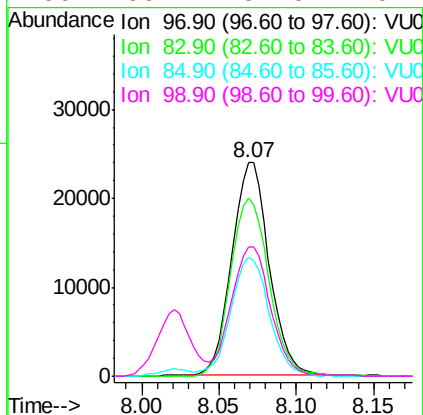
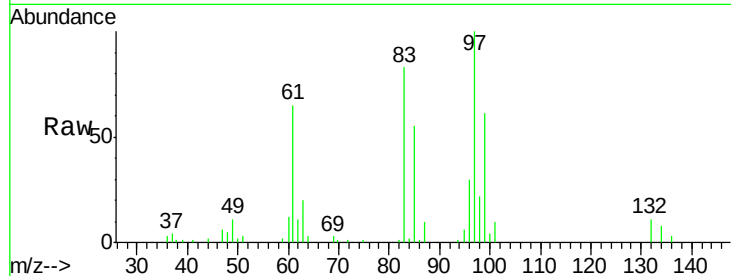
#55
 1,1,2-Trichloroethane
 Concen: 20.311 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025339.D
 Acq: 12 Jul 2018 15:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBS01

Tot Ion:	97	Resp:	40096
Ion	Ratio	Lower	Upper
97	100		
83	83.8	68.9	103.3
85	55.7	44.4	66.6
99	60.1	51.0	76.4

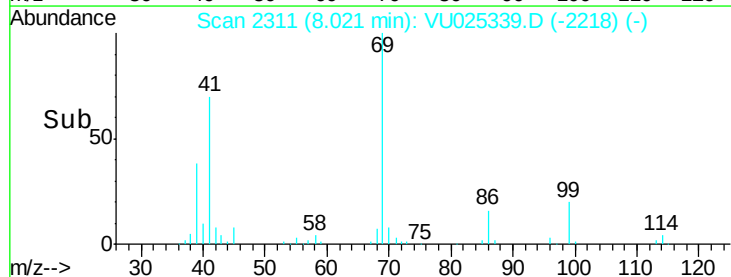
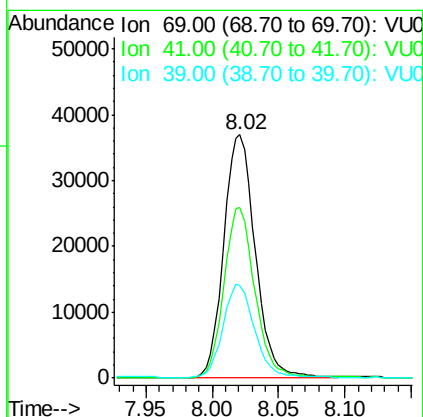
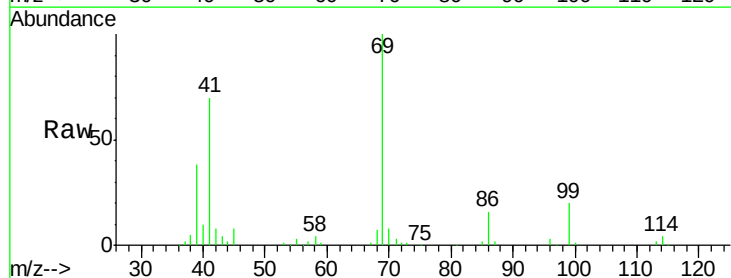
Manual Integrations
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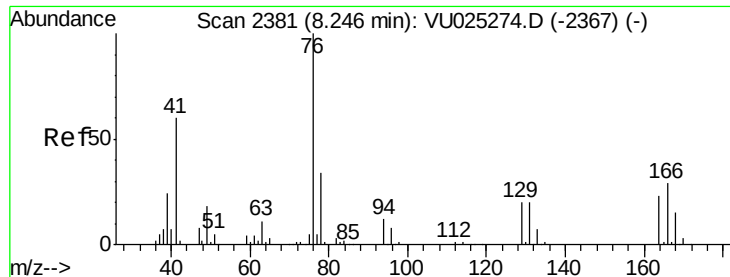
MMDadoda
 7/13/2018 11:44:14 AM



#56
 Ethyl methacrylate
 Concen: 19.891 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025339.D
 Acq: 12 Jul 2018 15:06

Tgt Ion:	69	Resp:	61330
Ion	Ratio	Lower	Upper
69	100		
41	68.6	54.8	82.2
39	38.9	31.1	46.7





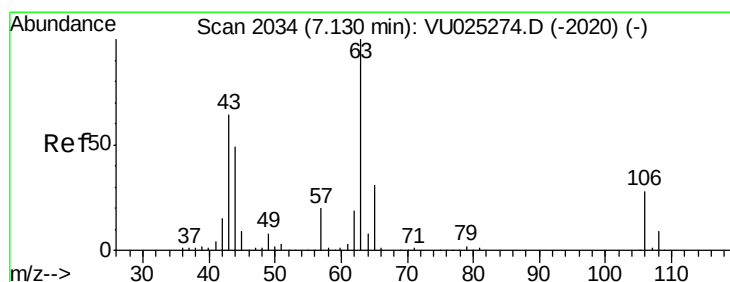
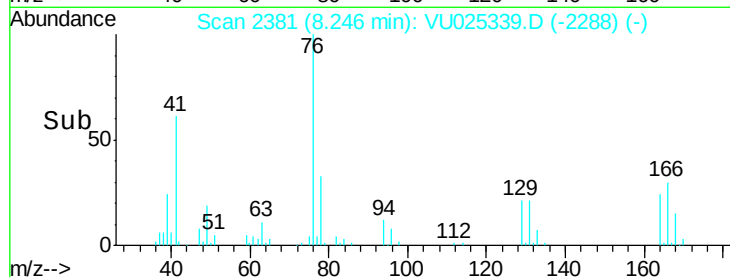
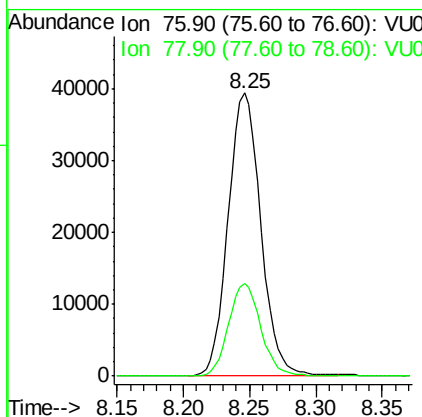
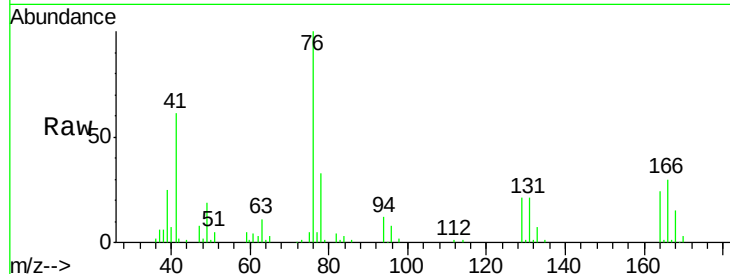
#57
 1,3-Dichloropropane
 Concen: 20.645 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU025339.D
 Acq: 12 Jul 2018 15:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBS01

Tot Ion: 76 Resp: 67657
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.1 39.1

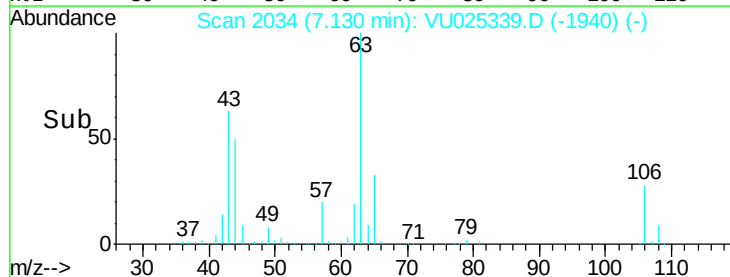
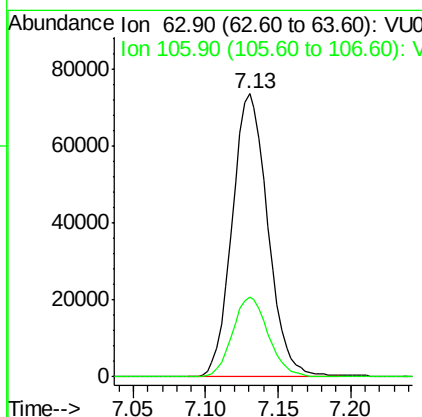
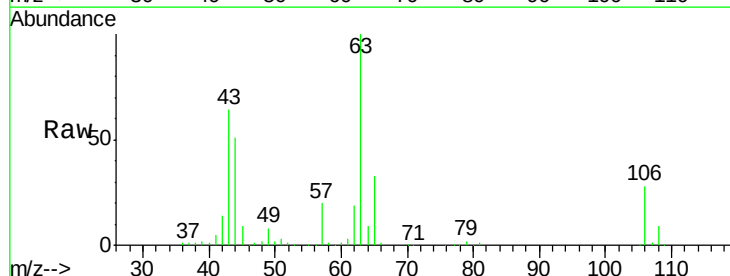
Manual Integrations
 APPROVED

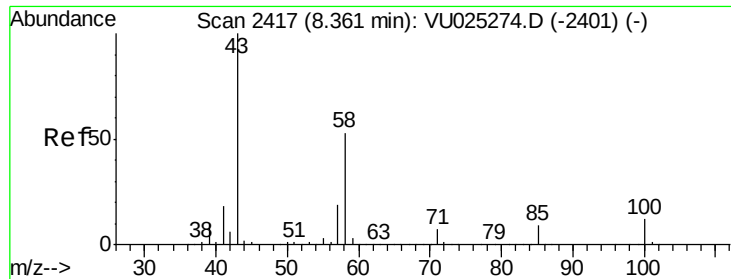
MMDadoda
 7/13/2018 11:44:14 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 90.776 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: VU025339.D
 Acq: 12 Jul 2018 15:06

Tgt Ion: 63 Resp: 125726
 Ion Ratio Lower Upper
 63 100
 106 28.3 22.3 33.5





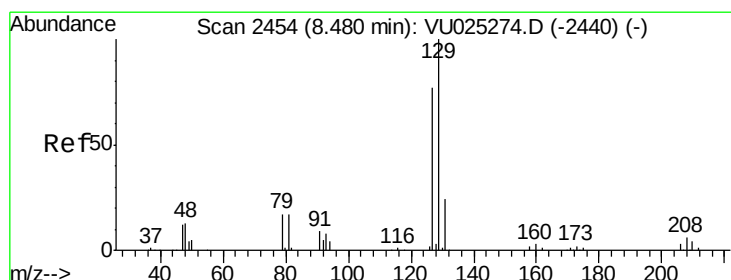
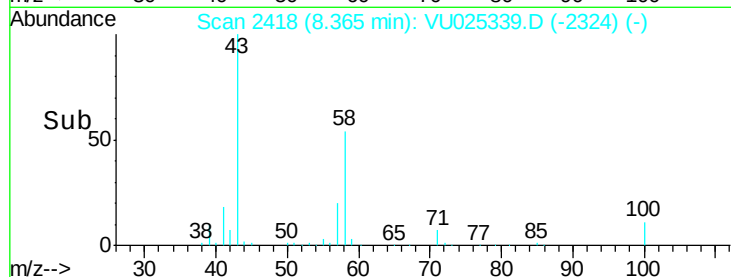
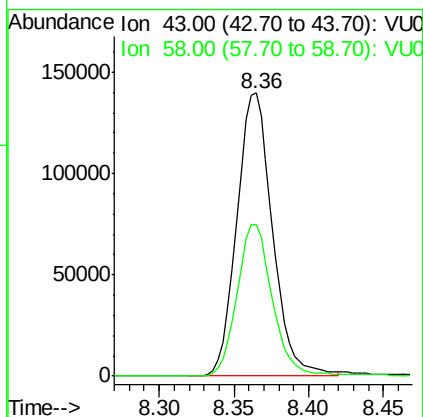
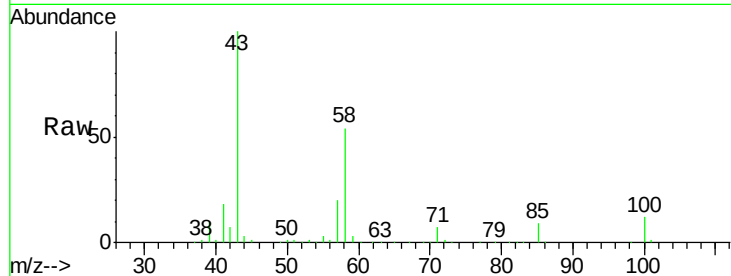
#59
2-Hexanone
Concen: 95.122 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS01

Tot Ion: 43 Resp: 231547
Ion Ratio Lower Upper
43 100
58 53.1 26.2 78.5

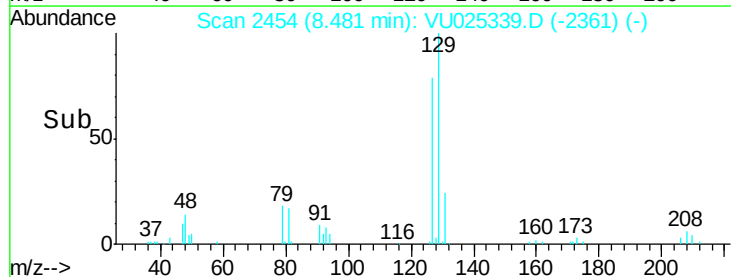
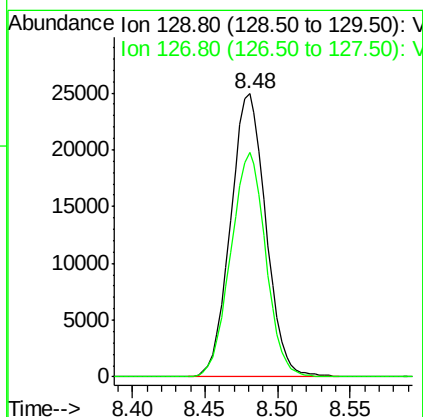
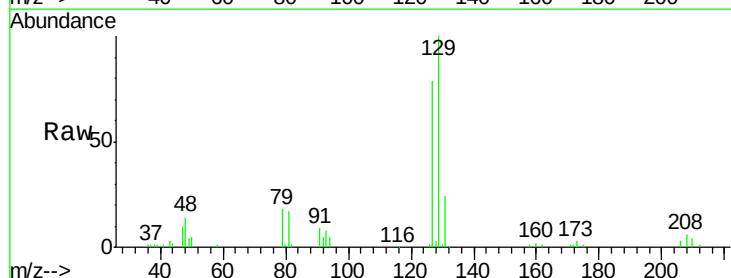
Manual Integrations
APPROVED

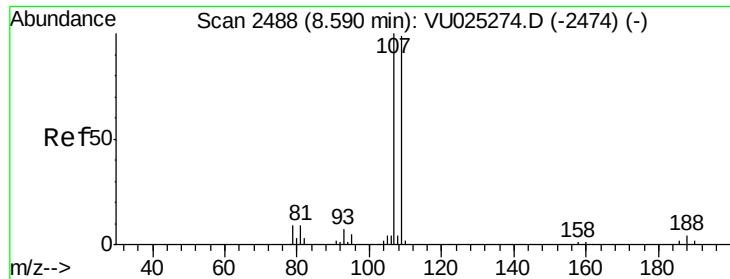
MMDadoda
7/13/2018 11:44:14 AM



#60
Dibromochloromethane
Concen: 19.805 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

Tgt Ion: 129 Resp: 42225
Ion Ratio Lower Upper
129 100
127 78.3 38.6 115.8





#61

1,2-Dibromoethane

Concen: 20.777 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBS01

Tot Ion: 107 Resp: 43888

Ion Ratio Lower Upper

107 100

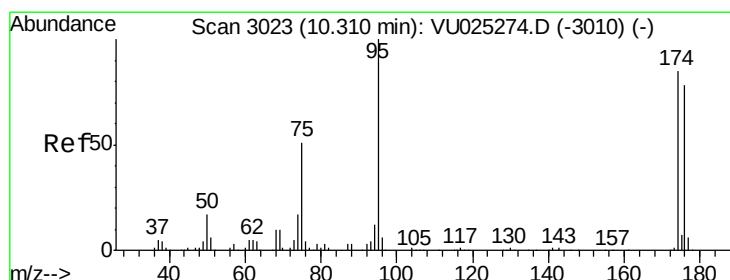
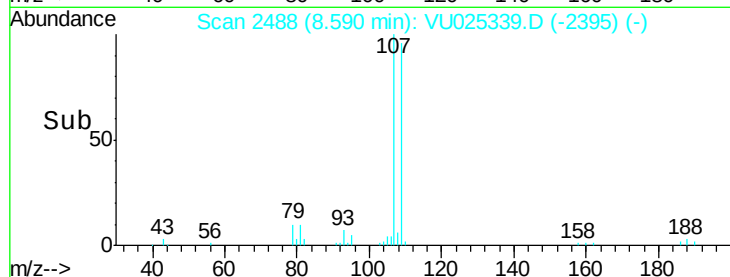
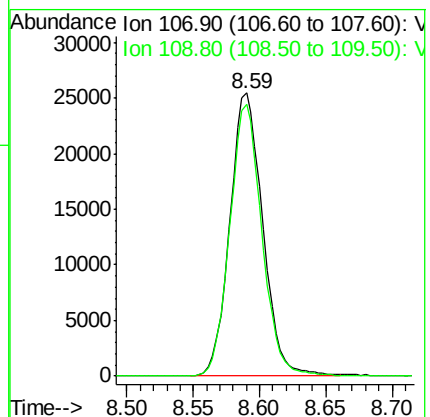
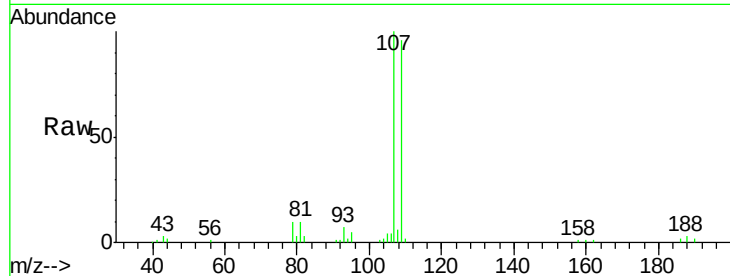
109 93.8 75.8 113.8

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 38.471 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

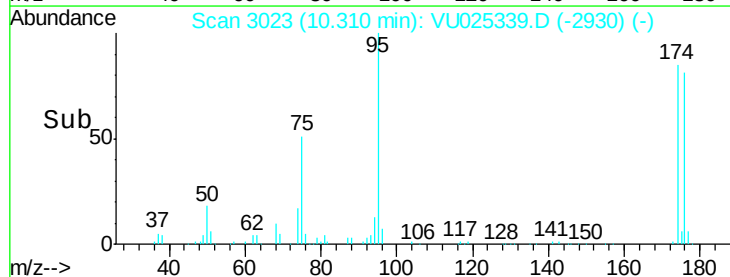
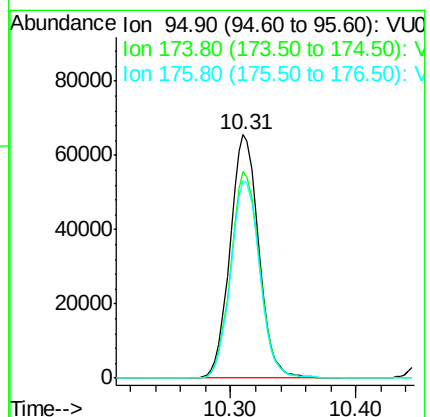
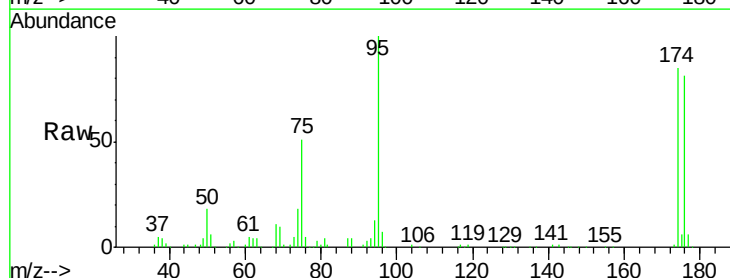
Tgt Ion: 95 Resp: 104049

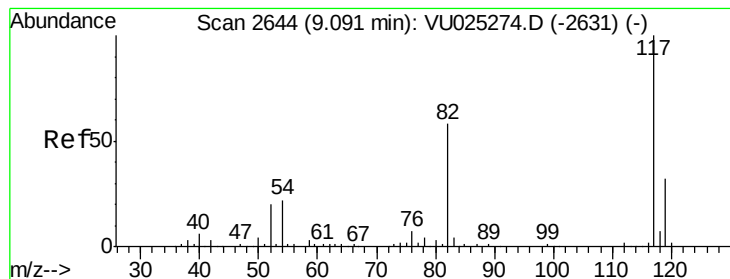
Ion Ratio Lower Upper

95 100

174 85.9 0.0 172.2

176 82.3 0.0 162.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

Instrument :

MSVOA_U

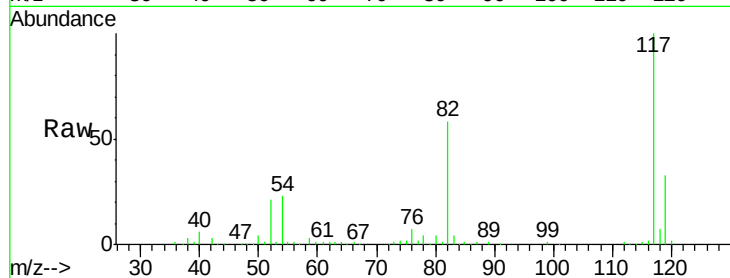
ClientSampleId :

VU0712WBS01

Tot Ion:	117	Resp:	214855
Ion Ratio	Lower	Upper	
117	100		
82	58.1	46.0	69.0
119	32.8	26.0	39.0

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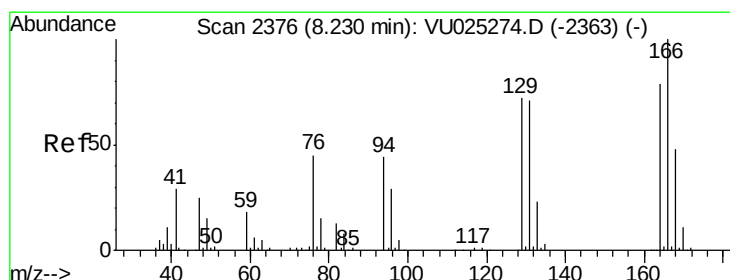
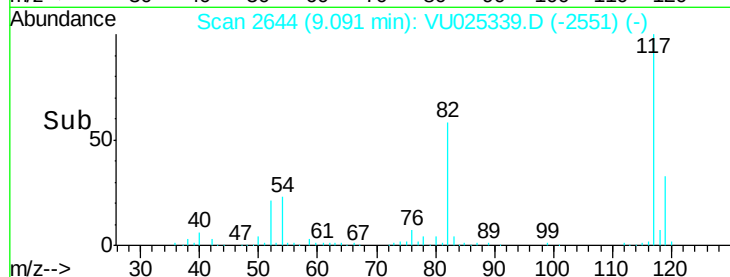
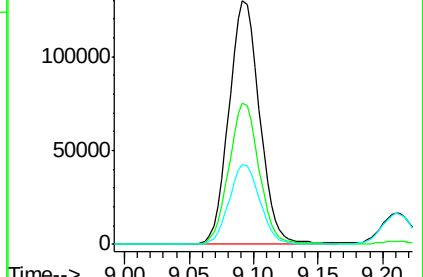
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Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 20.484 ug/l

RT: 8.23 min Scan# 2376

Delta R.T. 0.00 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

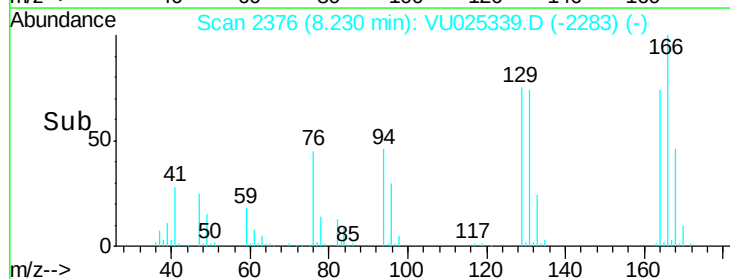
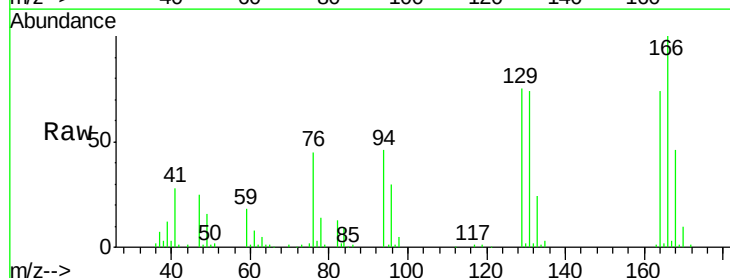
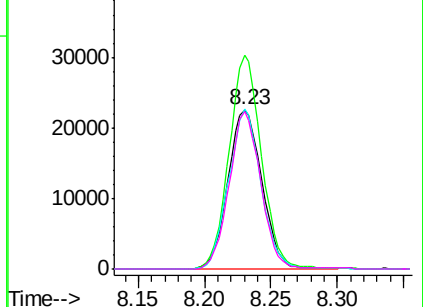
Tgt Ion:	164	Resp:	40118
Ion Ratio	Lower	Upper	
164	100		
166	134.3	101.1	151.7
129	100.3	73.0	109.6
131	99.2	72.1	108.1

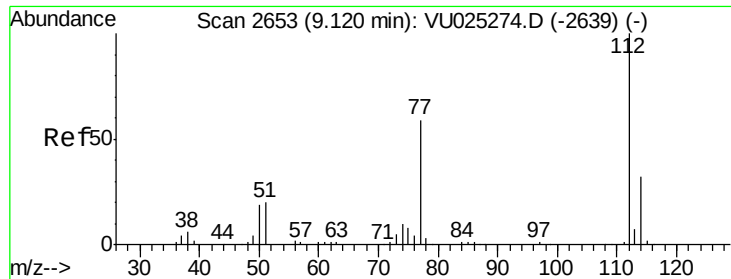
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





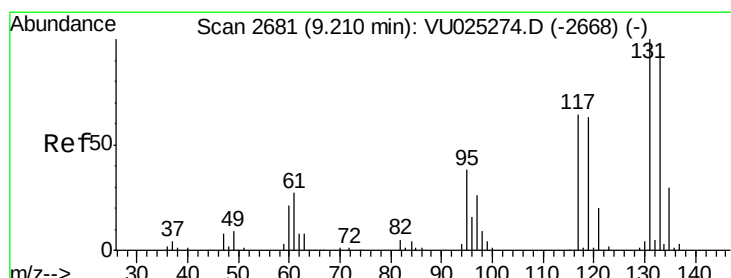
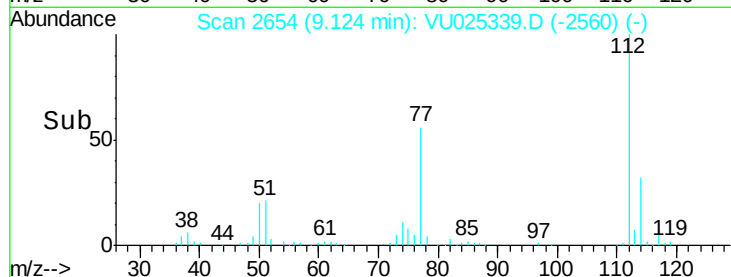
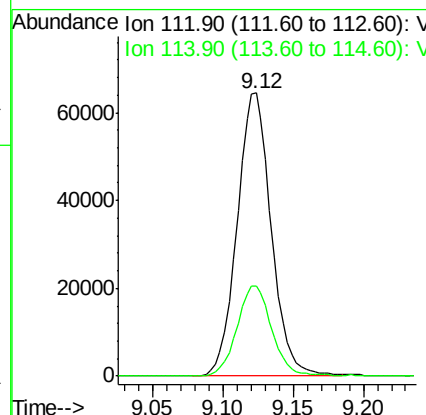
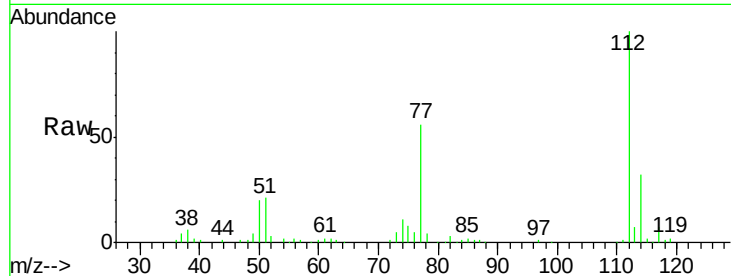
#65
Chlorobenzene
Concen: 20.348 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS01

Tot Ion:112 Resp: 109211
Ion Ratio Lower Upper
112 100
114 31.9 25.8 38.8

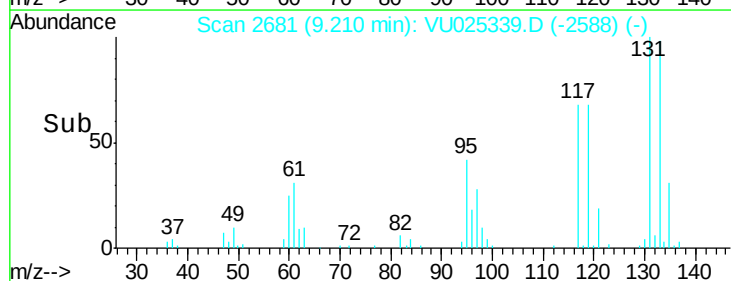
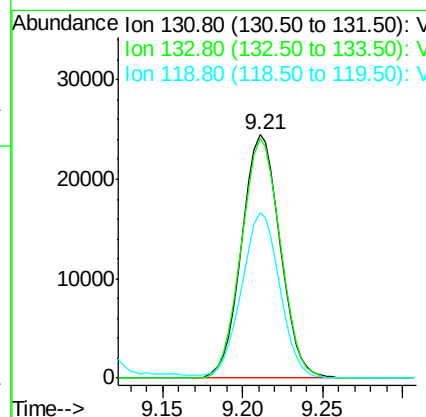
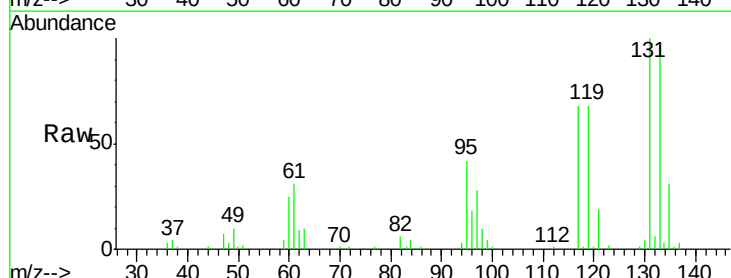
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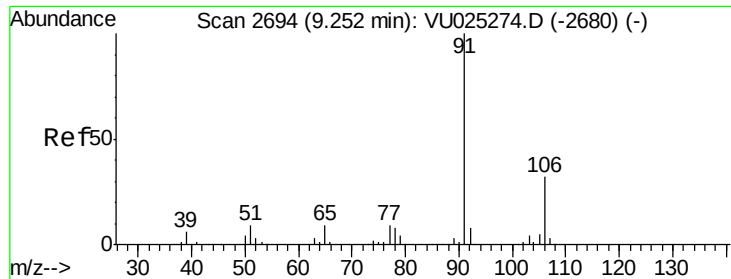
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.870 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

Tgt Ion:131 Resp: 40070
Ion Ratio Lower Upper
131 100
133 99.4 47.8 143.3
119 67.6 31.6 95.0





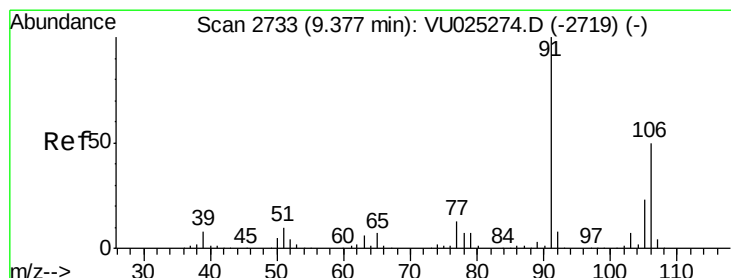
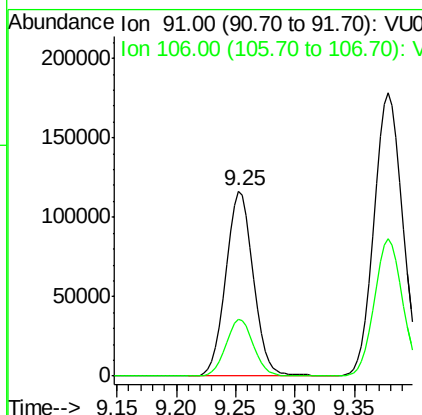
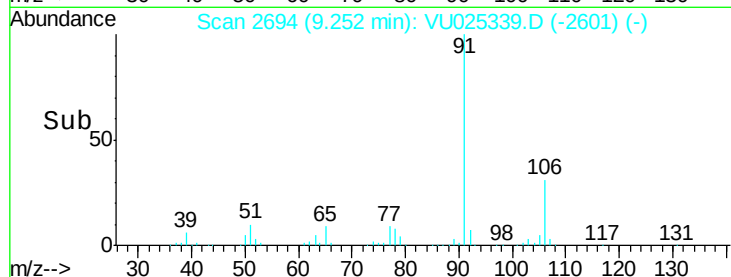
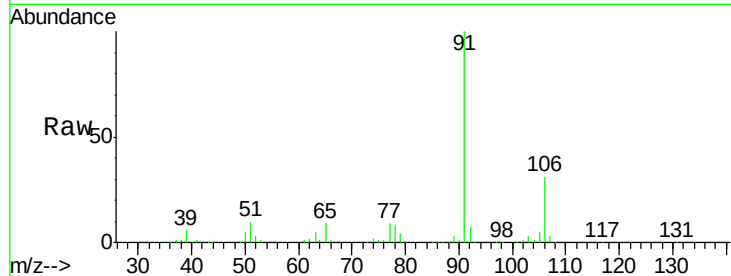
#67
Ethyl Benzene
Concen: 20.532 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS01

Tot Ion: 91 Resp: 187875
Ion Ratio Lower Upper
91 100
106 30.7 25.3 37.9

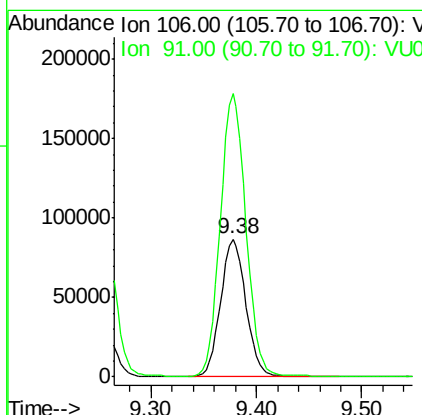
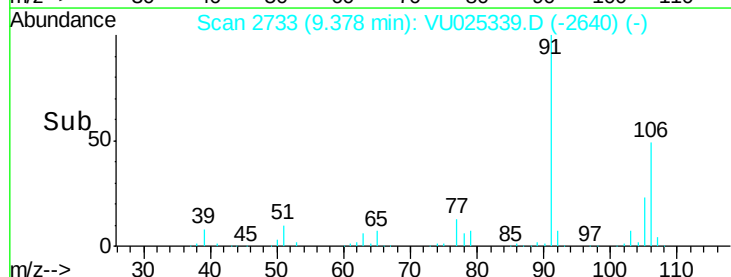
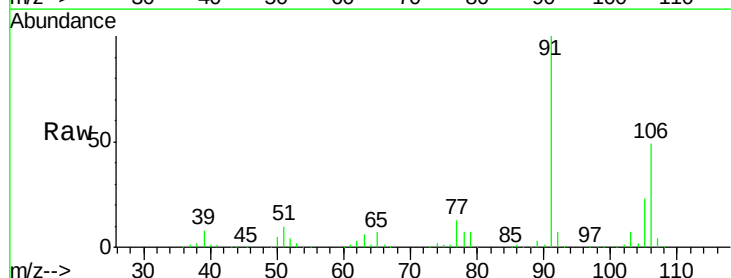
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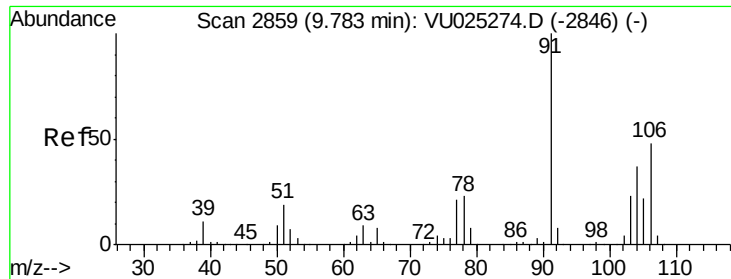
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#68
m/p-Xylenes
Concen: 40.705 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

Tgt Ion: 106 Resp: 143999
Ion Ratio Lower Upper
106 100
91 208.3 162.3 243.5





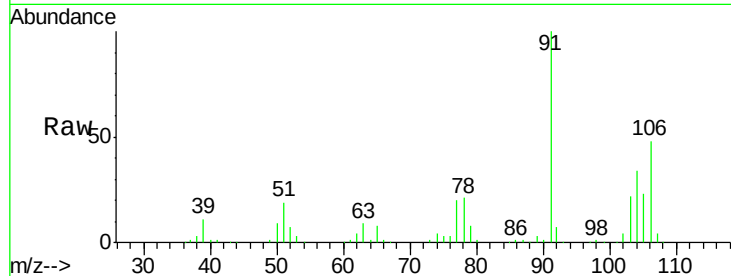
#69
o-Xylene
Concen: 20.478 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS01

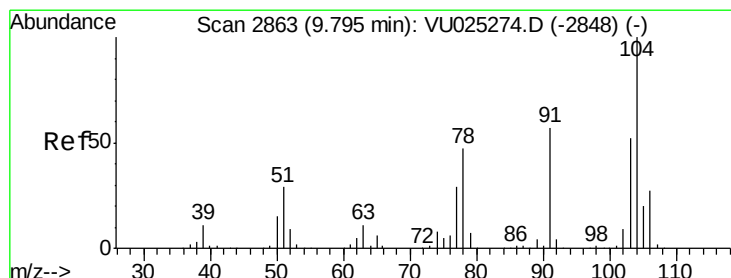
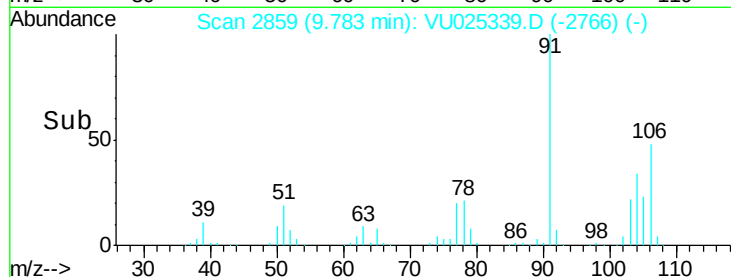
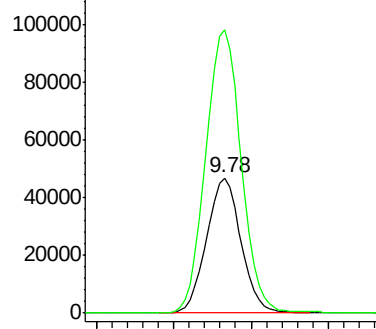
Tot Ion:106 Resp: 72529
Ion Ratio Lower Upper
106 100
91 216.5 105.3 315.8

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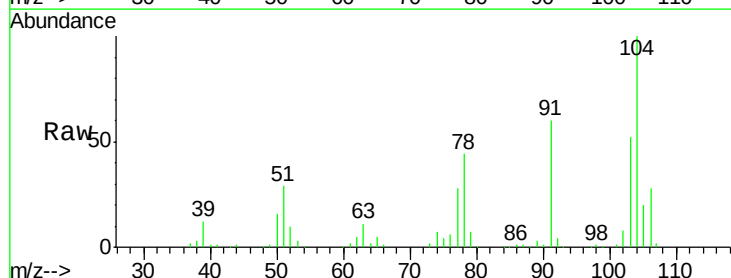


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

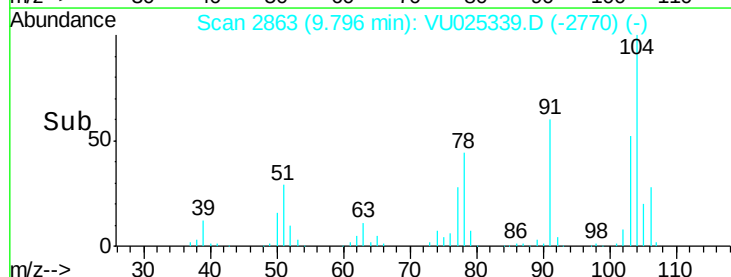
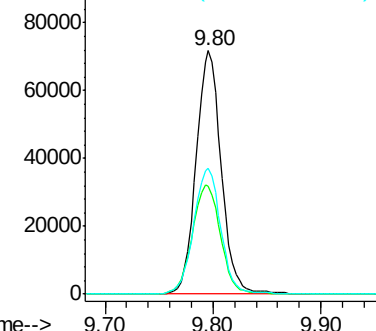


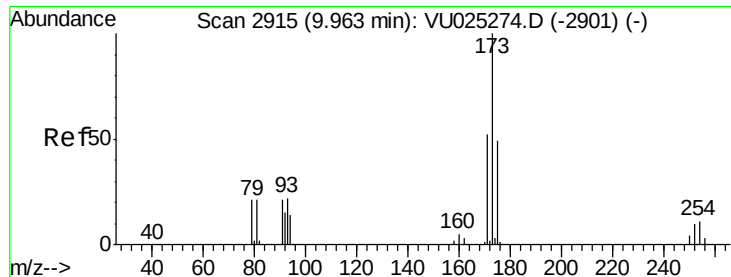
#70
Styrene
Concen: 20.719 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025339.D
Acq: 12 Jul 2018 15:06

Tgt Ion:104 Resp: 116560
Ion Ratio Lower Upper
104 100
78 50.4 41.6 62.4
103 55.8 44.6 66.8



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





#71

Bromoform

Concen: 20.139 ug/l

RT: 9.96 min Scan# 2914

Delta R.T. -0.00 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBS01

Tot Ion:173 Resp: 31771

Ion Ratio Lower Upper

173 100

175 48.1 24.0 72.0

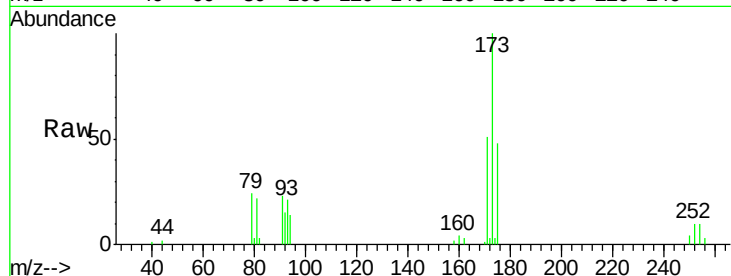
254 0.0 0.0 0.0

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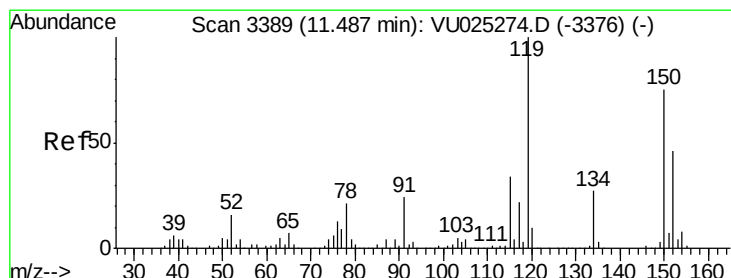
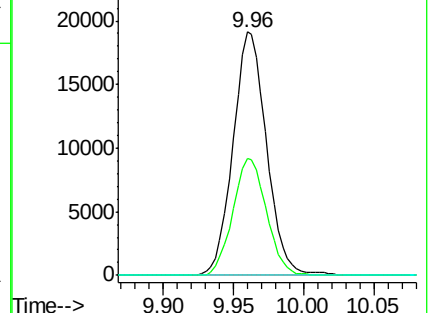
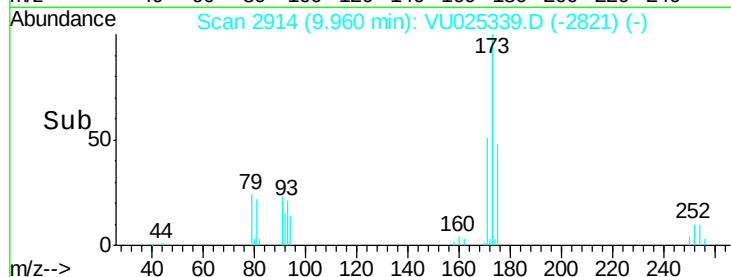
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

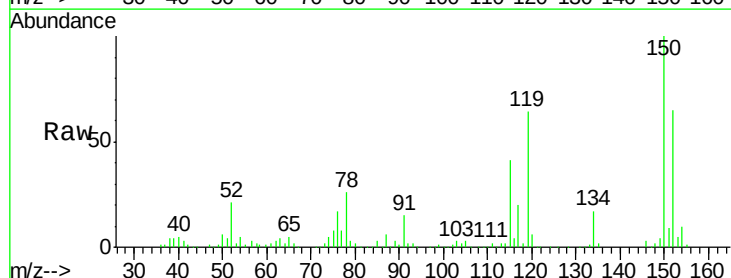
Tgt Ion:152 Resp: 129342

Ion Ratio Lower Upper

152 100

115 66.7 40.1 120.3

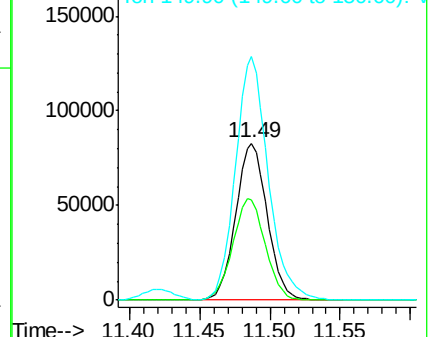
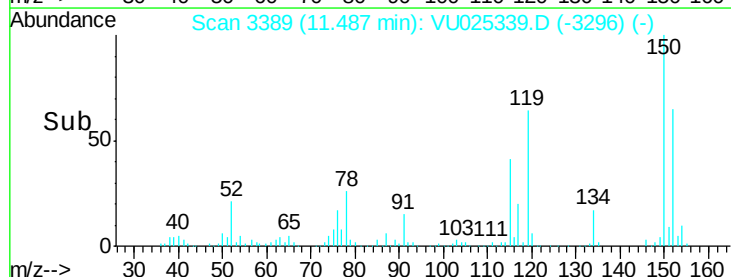
150 161.5 0.0 351.4

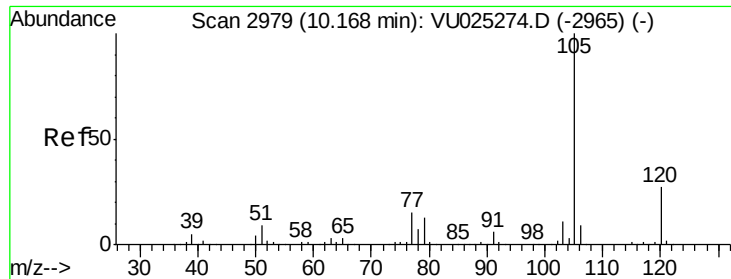


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.182 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBS01

Tot Ion: 105 Resp: 199446

Ion Ratio Lower Upper

105 100

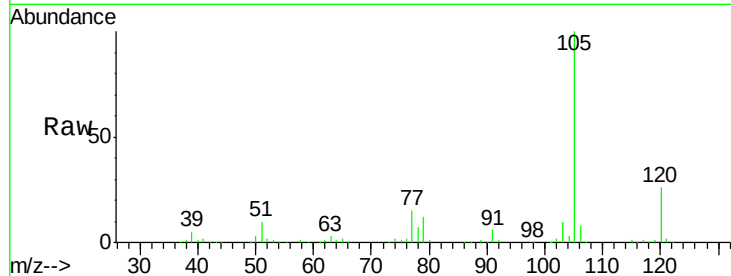
120 26.4 13.5 40.5

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

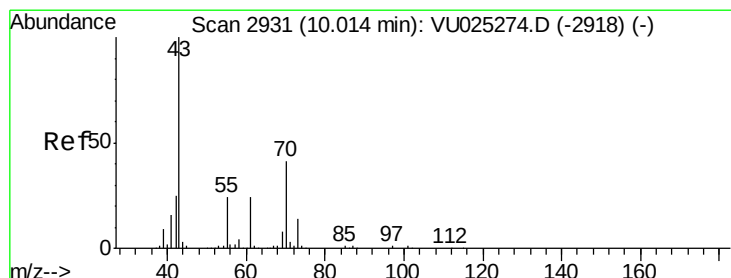
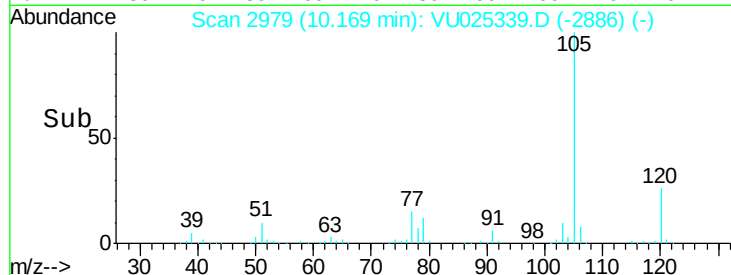
10.17

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 20.059 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

Tgt Ion: 43 Resp: 77988

Ion Ratio Lower Upper

43 100

70 41.3 33.4 50.2

55 24.6 19.0 28.6

61 23.4 19.3 28.9

Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

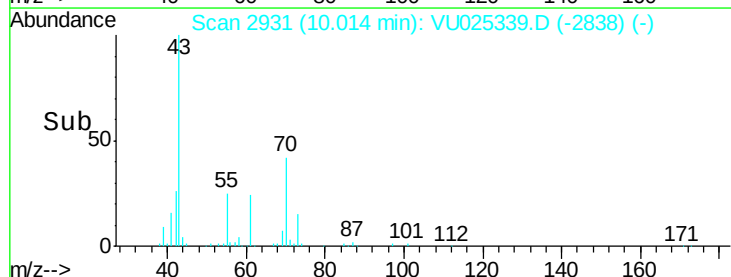
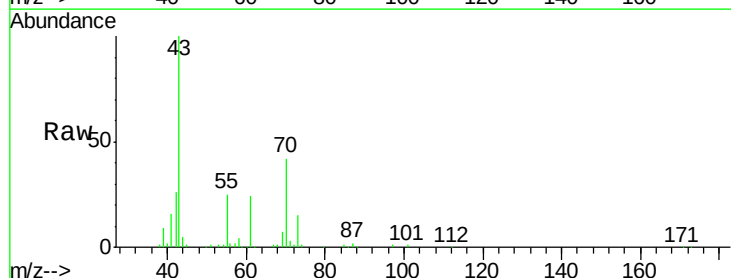
60000

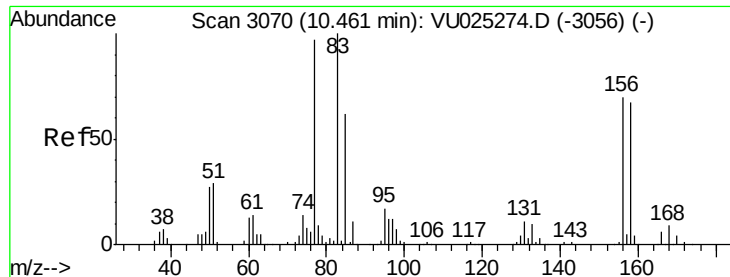
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.890 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

Instrument :

MSVOA_U

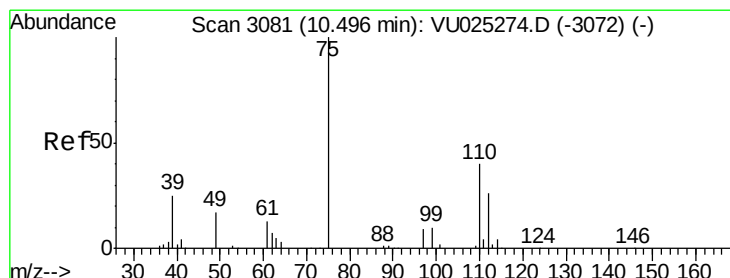
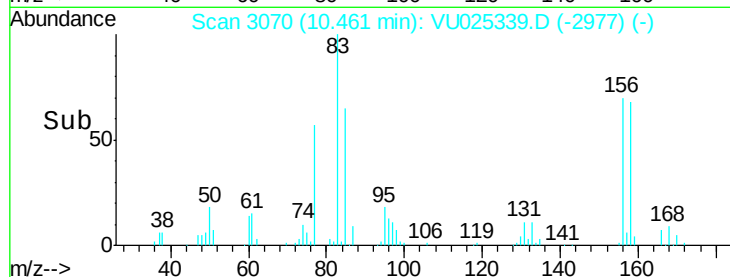
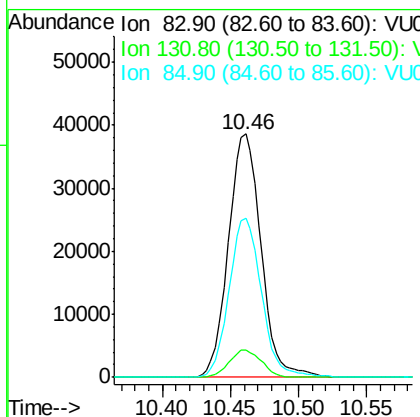
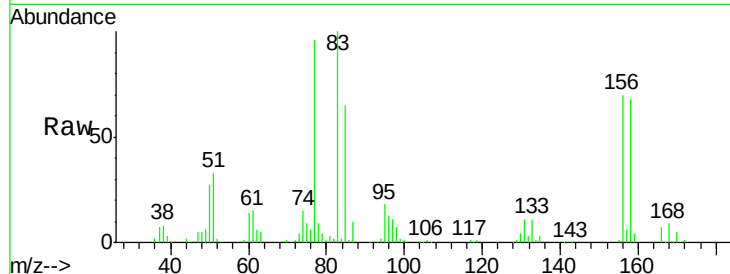
ClientSampleId :

VU0712WBS01

Tot Ion:	83	Resp:	64307
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.5	16.4
85	65.0	31.6	94.8

Manual Integrations
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7/13/2018 11:44:14 AM



#76

1,2,3-Trichloropropane

Concen: 22.000 ug/l m

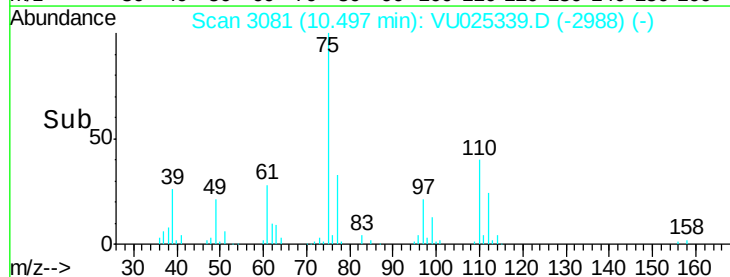
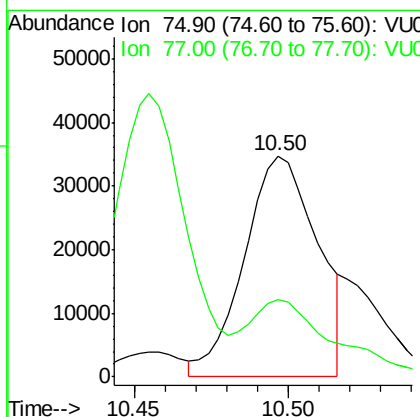
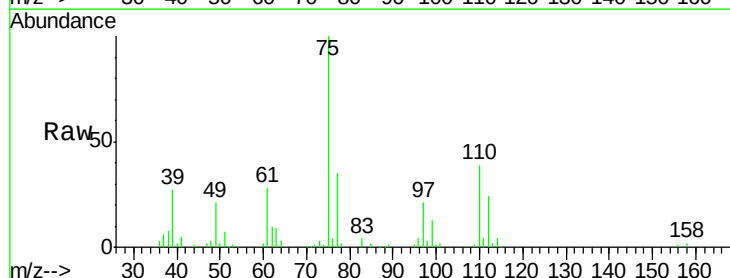
RT: 10.50 min Scan# 3081

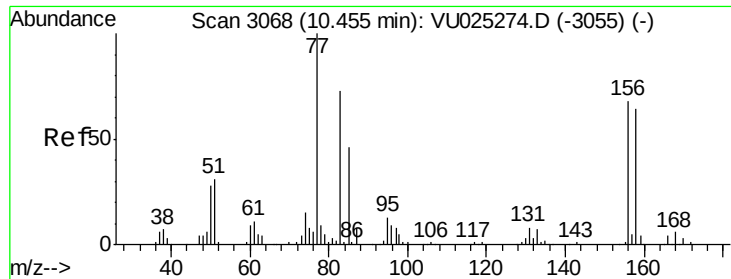
Delta R.T. 0.00 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

Tgt Ion:	75	Resp:	57388
Ion Ratio	Lower	Upper	
75	100		
77	39.6	20.4	61.3





#77

Bromobenzene

Concen: 19.718 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

Instrument :

MSVOA_U

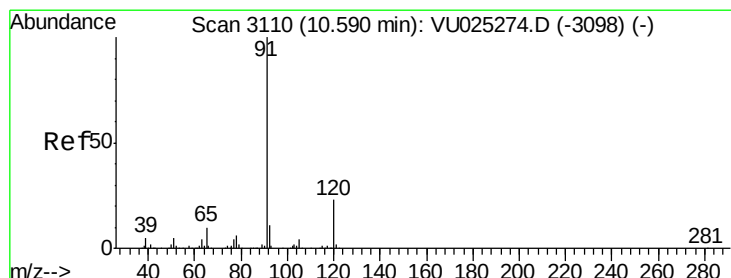
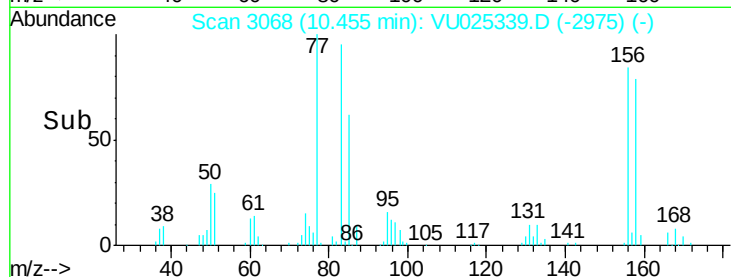
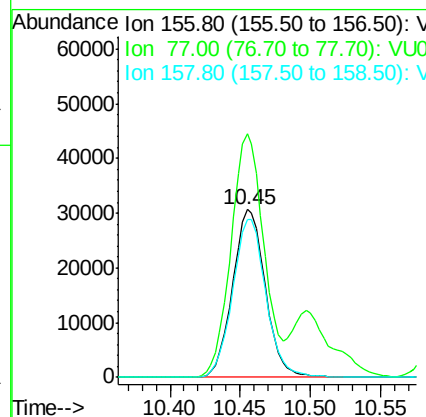
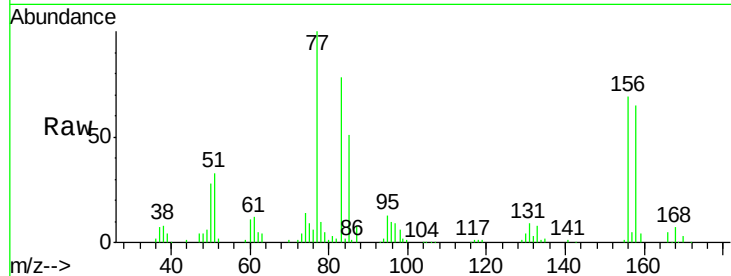
ClientSampleId :

VU0712WBS01

Tot Ion:	156	Resp:	49851
Ion	Ratio	Lower	Upper
156	100		
77	145.9	73.8	221.4
158	95.7	48.0	144.0

Manual Integrations
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7/13/2018 11:44:14 AM



#78

n-propylbenzene

Concen: 20.073 ug/l

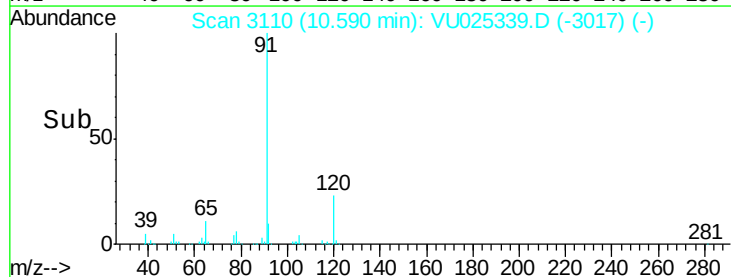
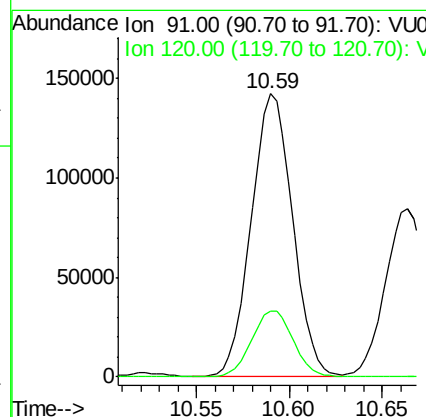
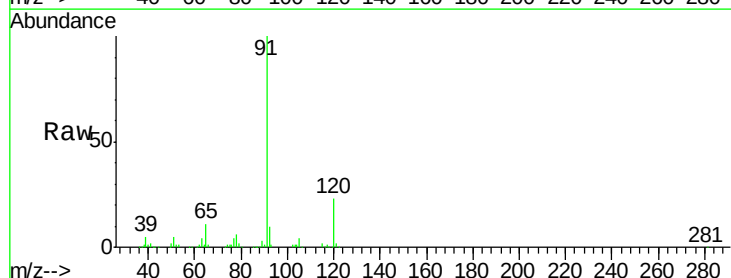
RT: 10.59 min Scan# 3110

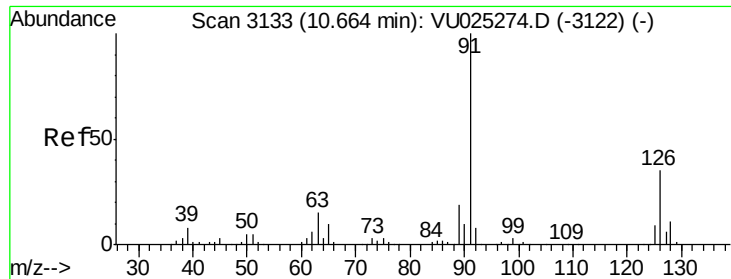
Delta R.T. 0.00 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

Tgt Ion:	91	Resp:	220122
Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.8	35.3





#79

2-Chlorotoluene

Concen: 21.454 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBS01

Tot Ion: 91 Resp: 134567

Ion Ratio Lower Upper

91 100

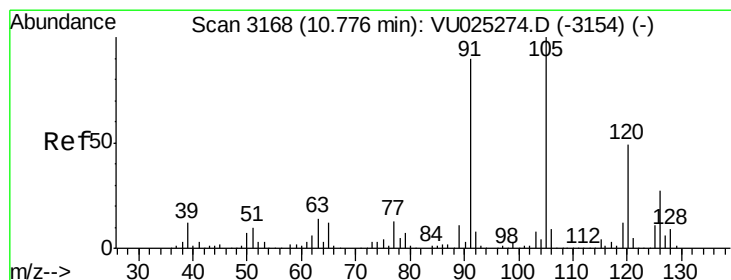
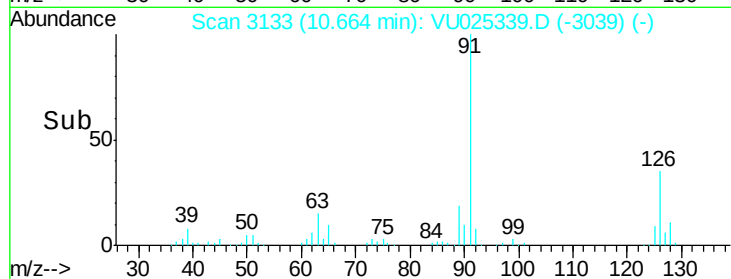
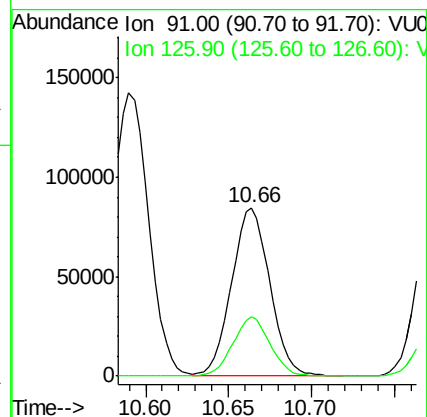
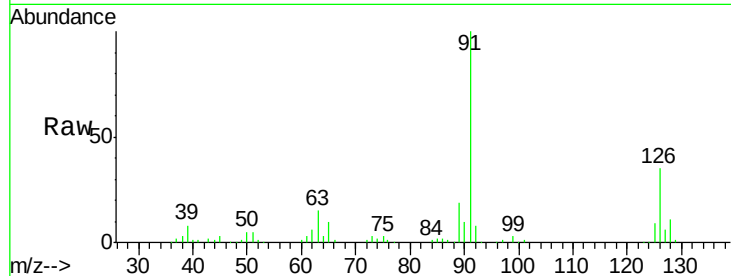
126 34.6 17.5 52.6

Manual Integrations

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7/13/2018 11:44:14 AM



#80

1,3,5-Trimethylbenzene

Concen: 20.117 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025339.D

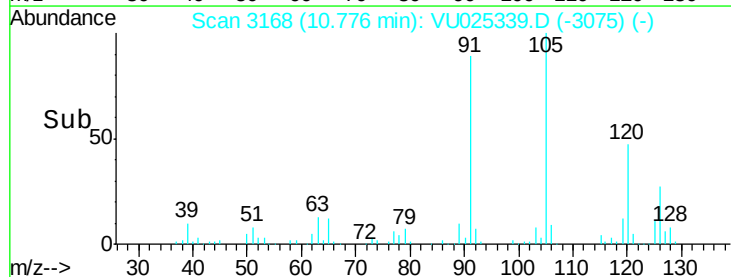
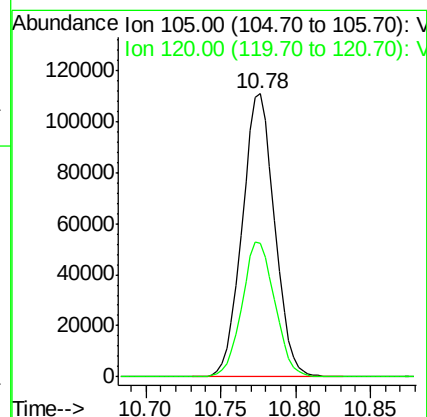
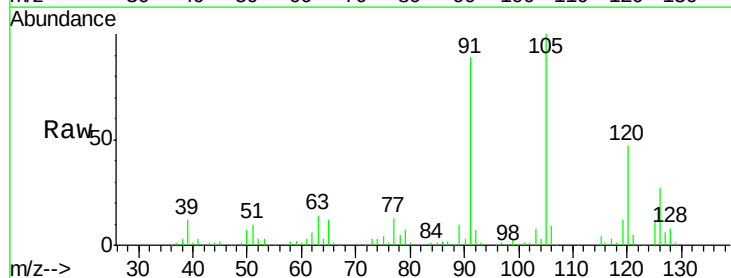
Acq: 12 Jul 2018 15:06

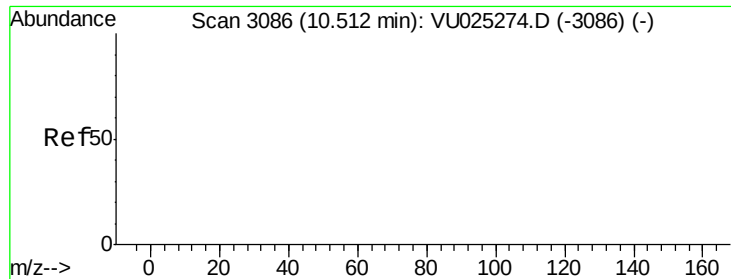
Tgt Ion: 105 Resp: 167287

Ion Ratio Lower Upper

105 100

120 48.3 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 17.823 ug/l m

RT: 10.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

Instrument :

MSVOA_U

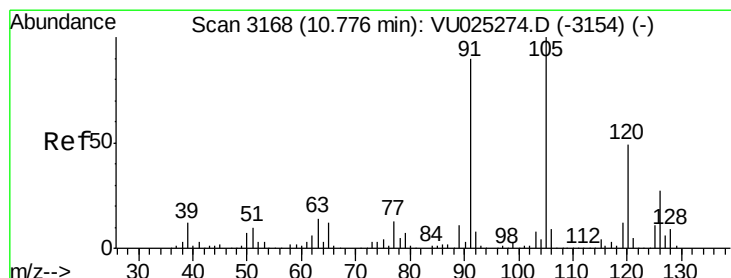
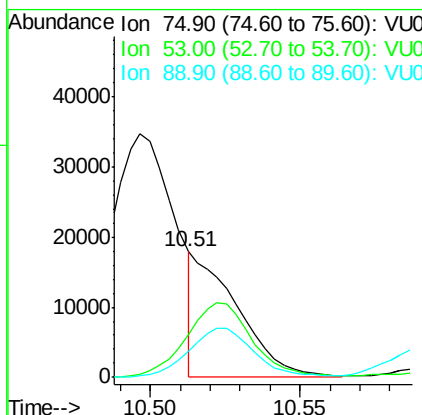
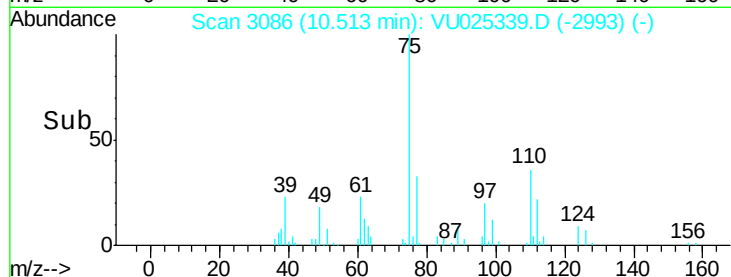
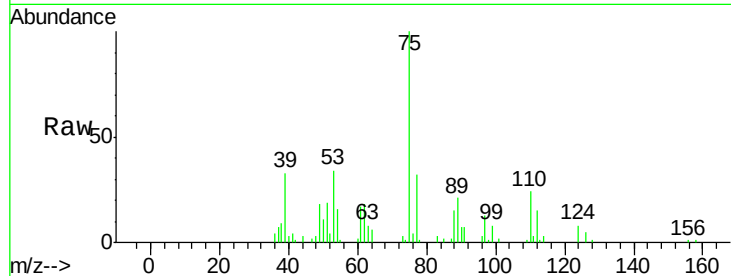
ClientSampleId :

VU0712WBS01

Tot Ion:	75	Resp:	18366
Ion Ratio	Lower	Upper	
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.660 ug/l

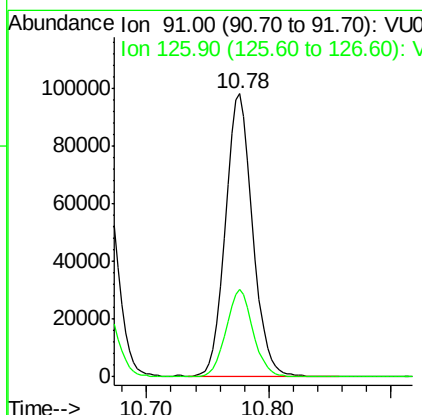
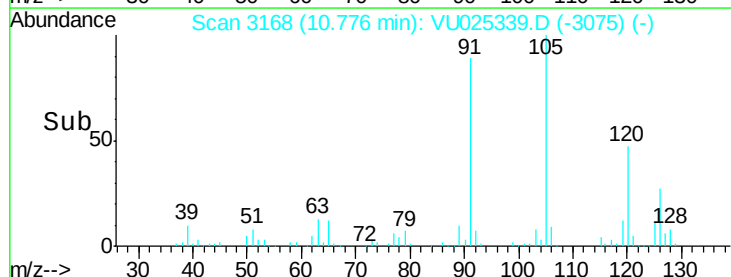
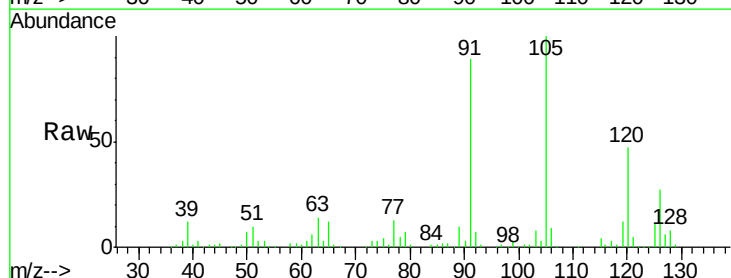
RT: 10.78 min Scan# 3168

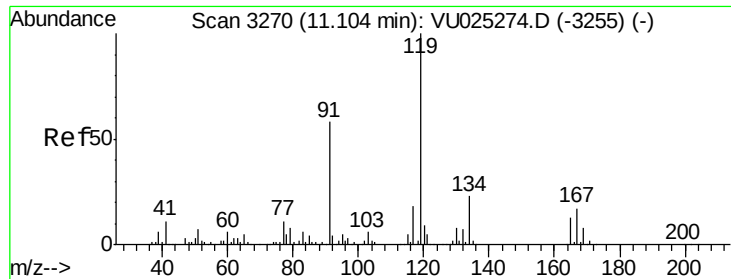
Delta R.T. 0.00 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

Tgt Ion:	91	Resp:	152660
Ion Ratio	Lower	Upper	
91	100		
126	30.7	15.3	45.9





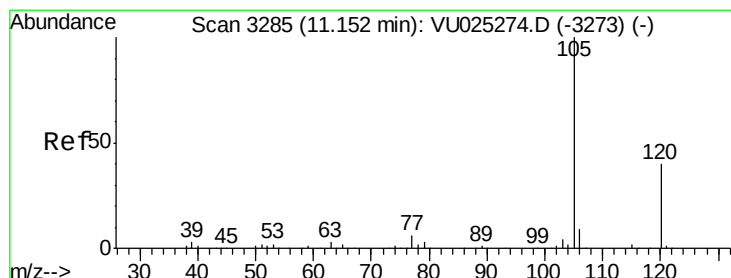
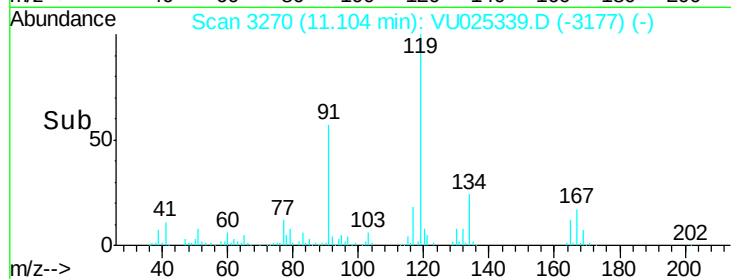
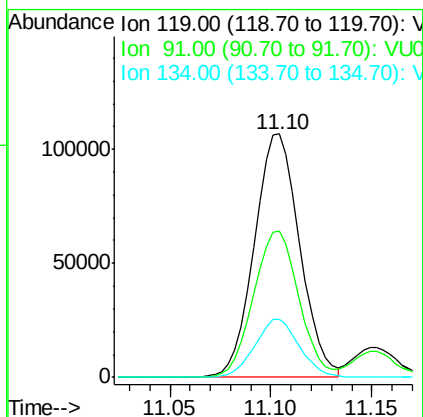
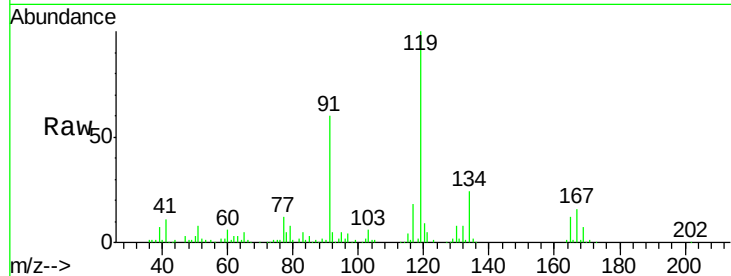
#83
 tert-Butylbenzene
 Concen: 19.932 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025339.D
 Acq: 12 Jul 2018 15:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	167492		
91	60.0	29.7	89.1	
134	23.4	11.5	34.5	

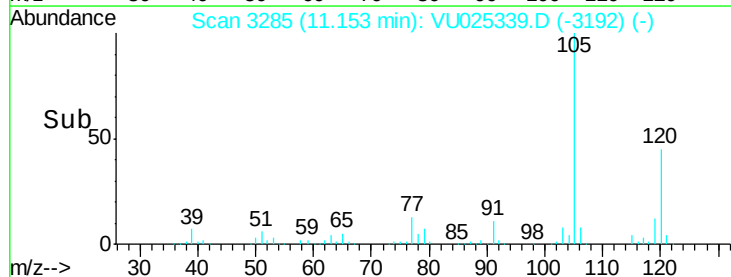
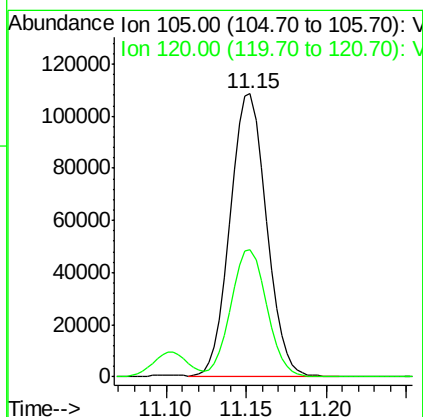
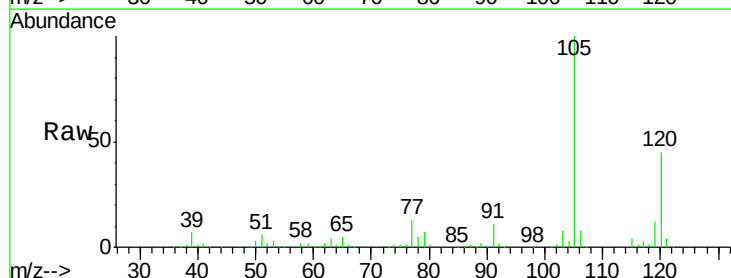
Manual Integrations
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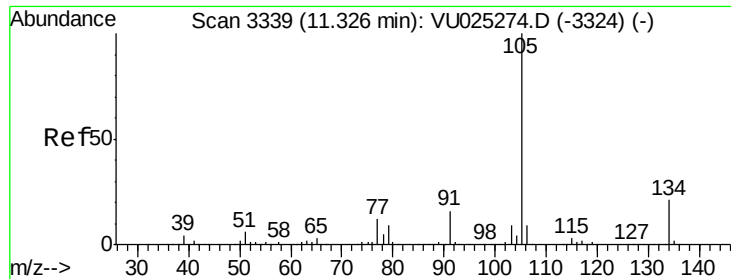
MMDadoda
 7/13/2018 11:44:14 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.664 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025339.D
 Acq: 12 Jul 2018 15:06

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	167586		
120	44.9	22.3	66.8	





#85

sec-Butylbenzene

Concen: 20.513 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBS01

Tot Ion:105 Resp: 202959

Ion Ratio Lower Upper

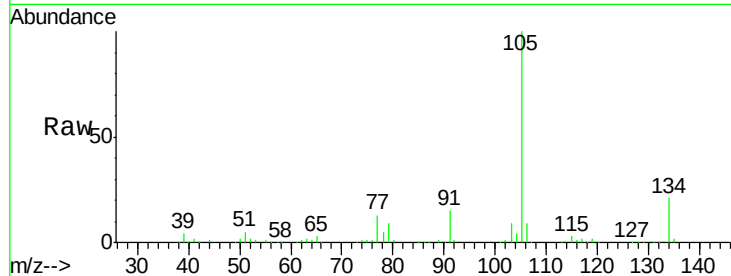
105 100

134 20.4 10.3 30.8

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.33

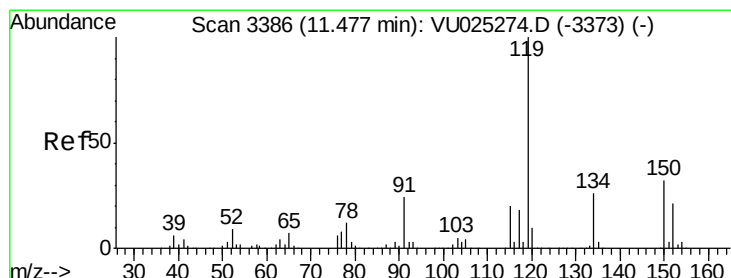
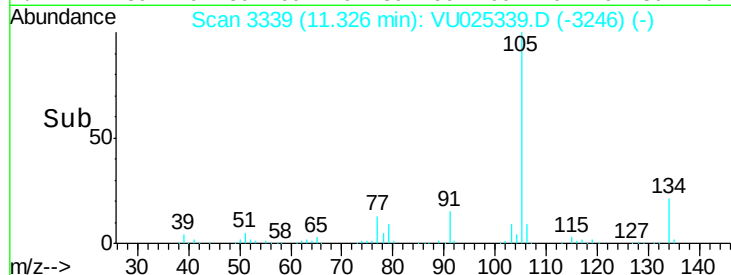
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.162 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

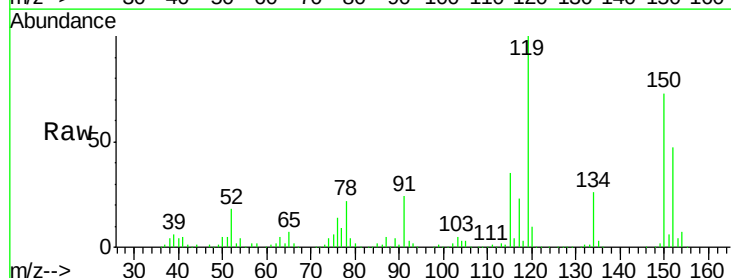
Tgt Ion:119 Resp: 176638

Ion Ratio Lower Upper

119 100

134 26.2 13.2 39.5

91 23.9 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): VU0

11.48

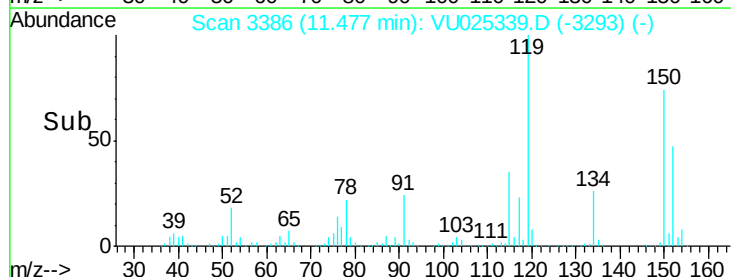
150000

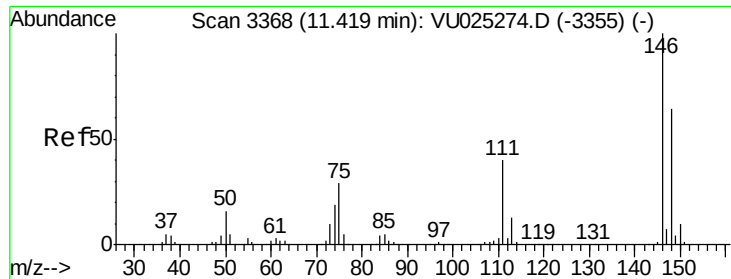
100000

50000

0

Time-->





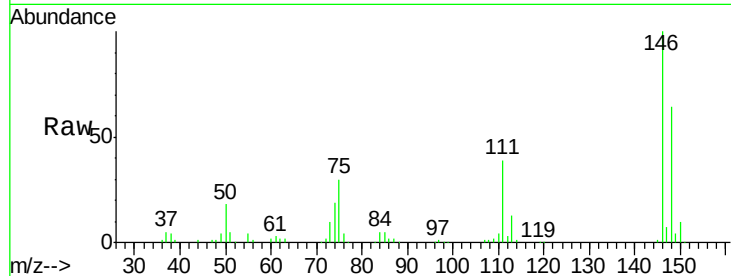
#87
 1,3-Dichlorobenzene
 Concen: 19.680 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025339.D
 Acq: 12 Jul 2018 15:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBS01

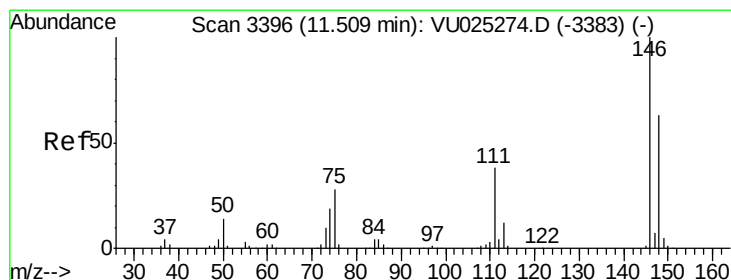
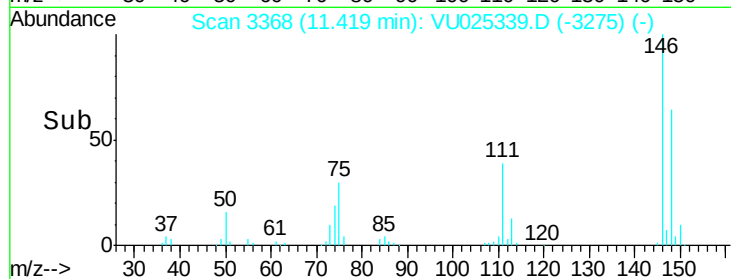
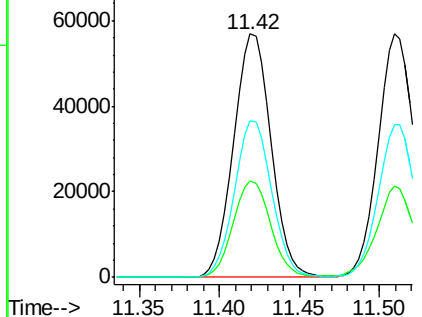
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.7	59.1
148	63.8	32.1	96.3

Manual Integrations
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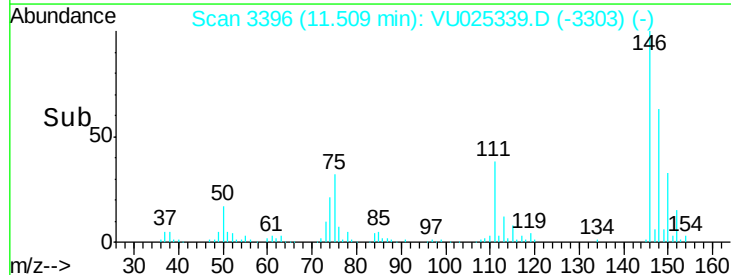
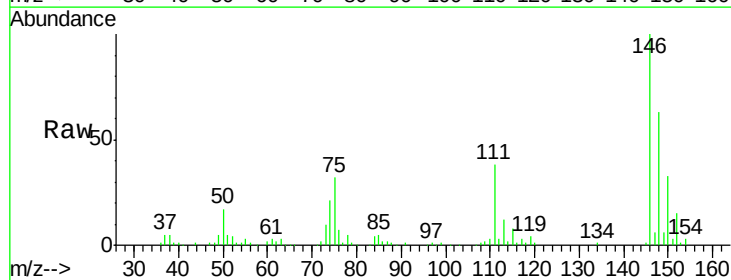
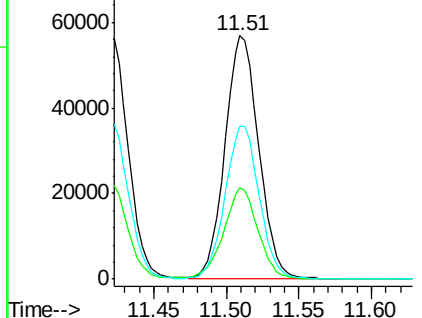
Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

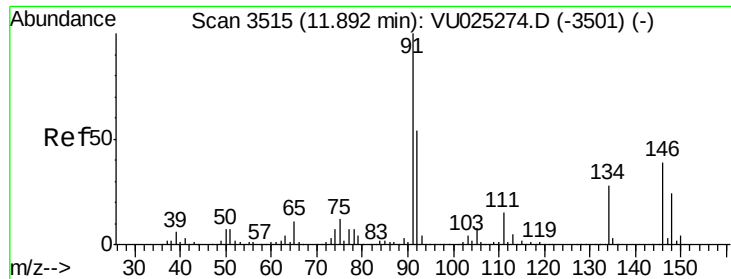


#88
 1,4-Dichlorobenzene
 Concen: 21.192 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025339.D
 Acq: 12 Jul 2018 15:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.4	58.1
148	63.7	31.7	95.1

Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 19.174 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. 0.00 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBS01

Tot Ion: 91 Resp: 138083

Ion Ratio Lower Upper

91 100

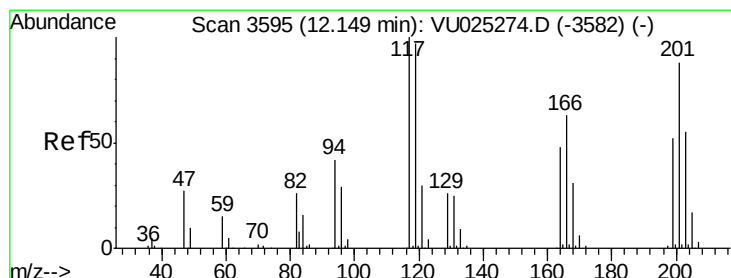
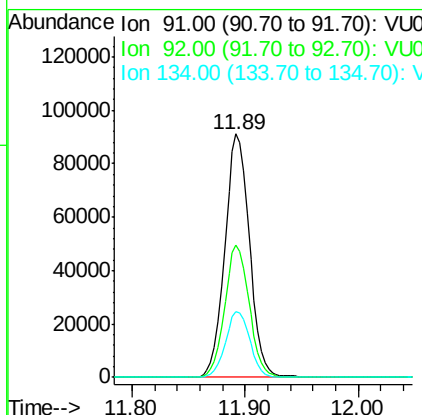
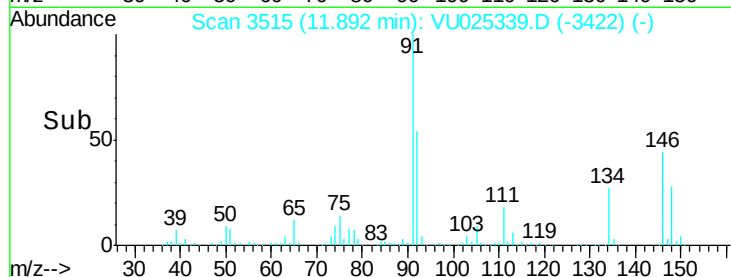
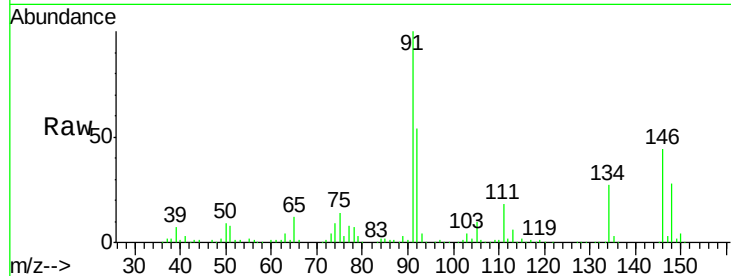
92 53.8 26.5 79.5

134 26.5 13.6 40.7

Manual Integrations
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#90

Hexachloroethane

Concen: 19.091 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU025339.D

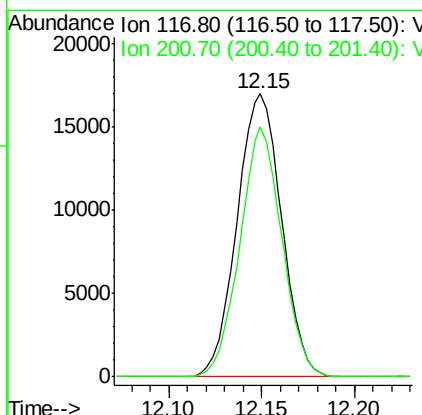
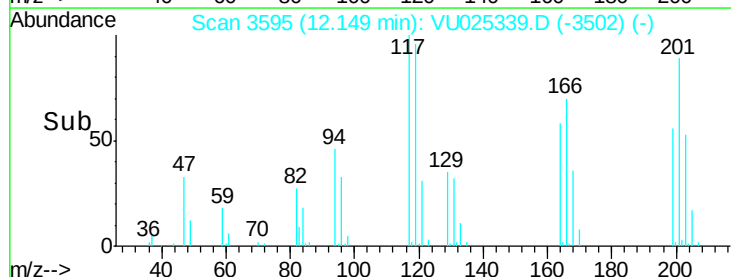
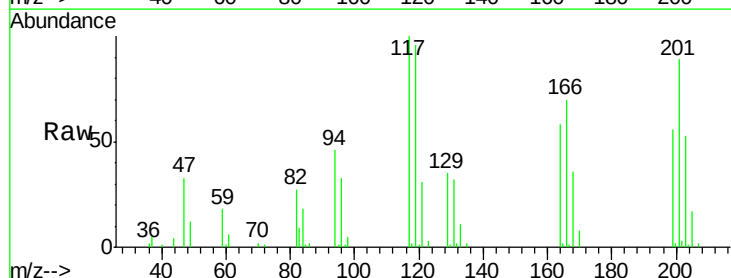
Acq: 12 Jul 2018 15:06

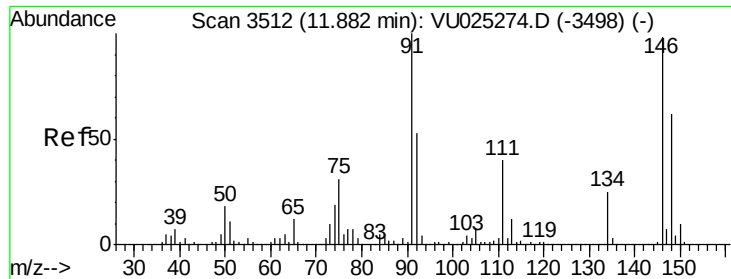
Tgt Ion: 117 Resp: 28320

Ion Ratio Lower Upper

117 100

201 83.2 42.5 127.6





#91

1,2-Dichlorobenzene

Concen: 19.989 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

Instrument :

MSVOA_U

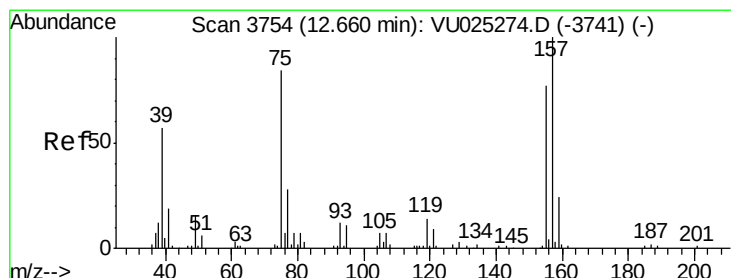
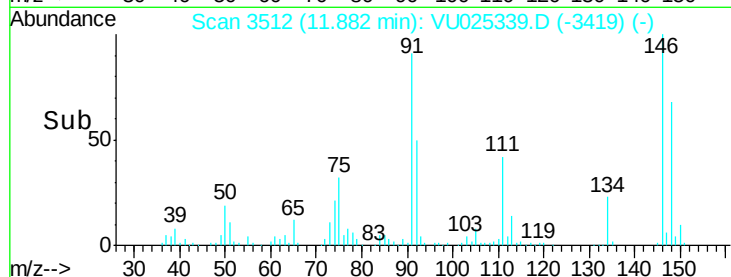
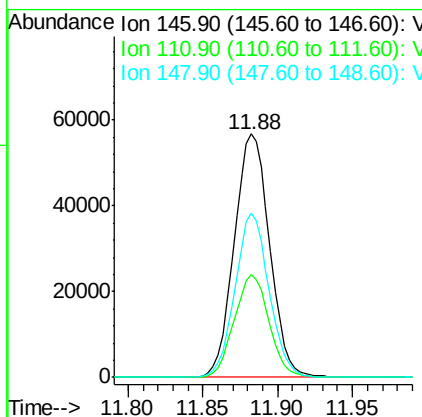
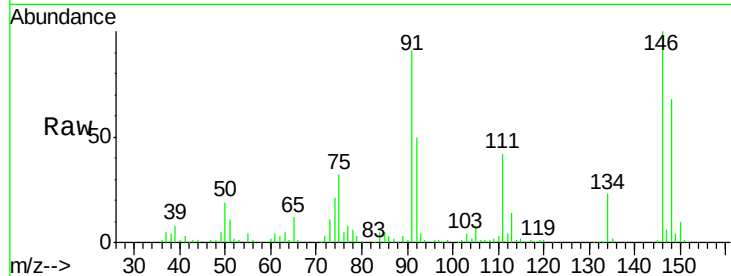
ClientSampled :

VU0712WBS01

Tot Ion:	146	Resp:	93277
Ion Ratio	Lower	Upper	
146	100		
111	41.3	20.6	61.8
148	64.8	31.5	94.5

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.959 ug/l

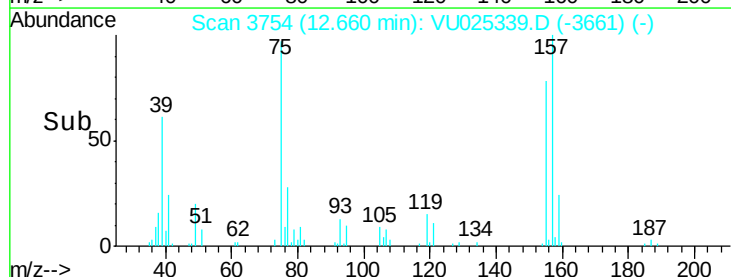
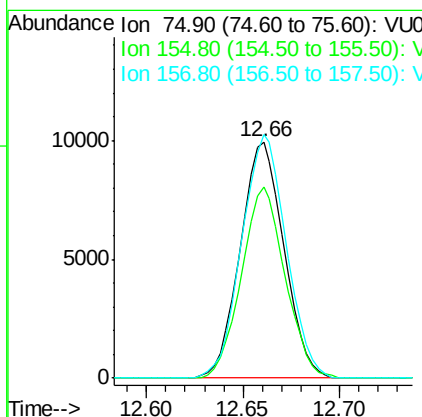
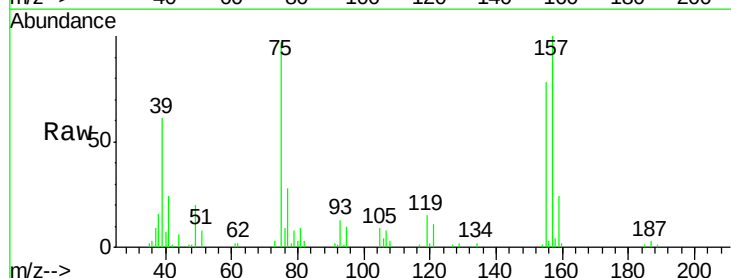
RT: 12.66 min Scan# 3754

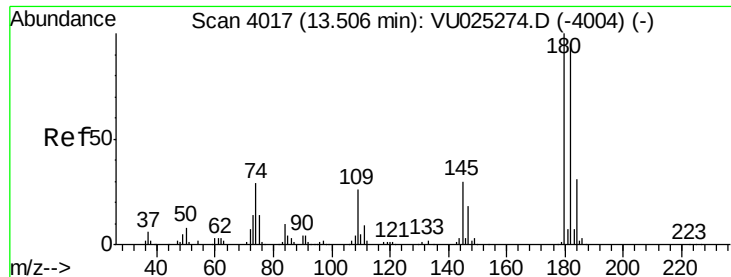
Delta R.T. 0.00 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

Tgt Ion:	75	Resp:	15651
Ion Ratio	Lower	Upper	
75	100		
155	80.4	44.5	133.3
157	104.9	57.0	170.8





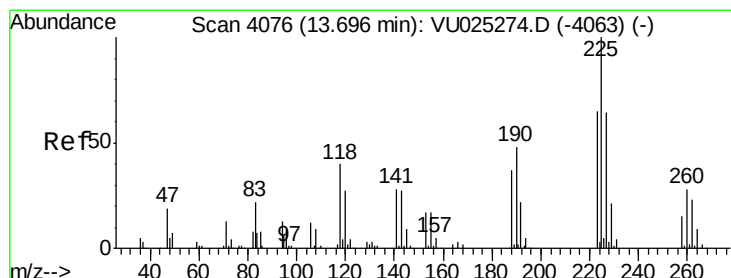
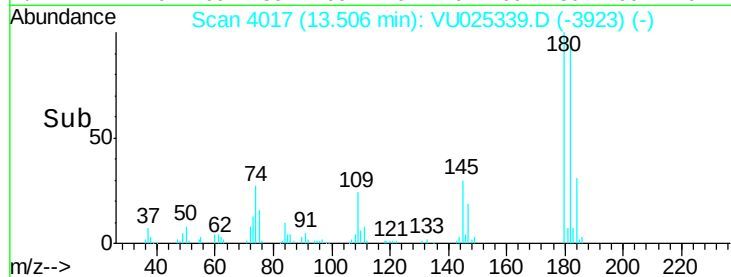
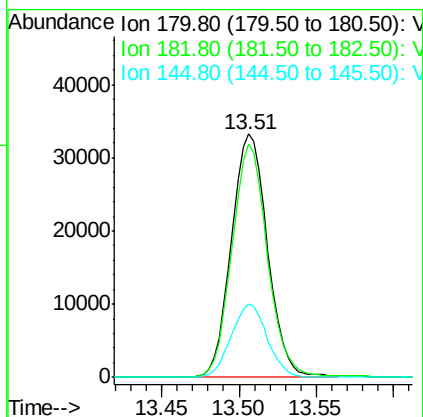
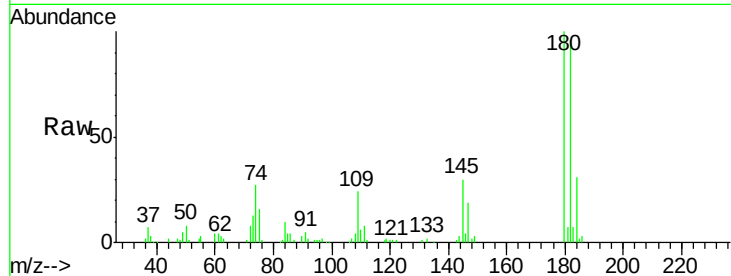
#93
 1,2,4-Trichlorobenzene
 Concen: 19.393 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025339.D
 Acq: 12 Jul 2018 15:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.3	141.9
145	29.9	14.9	44.7

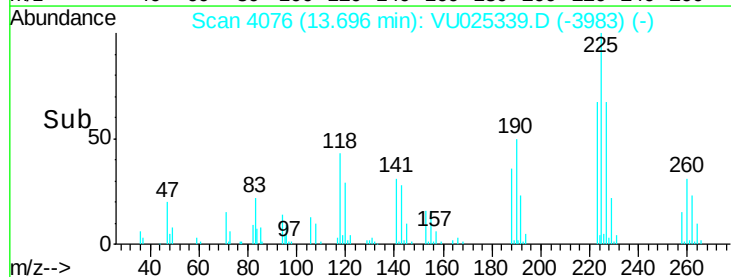
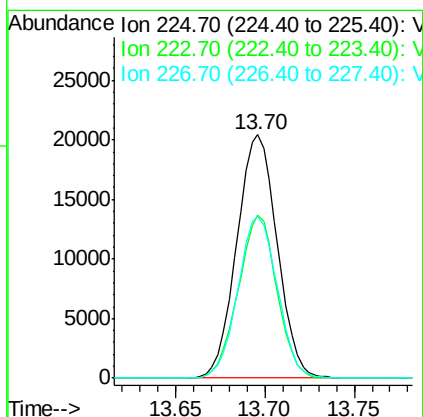
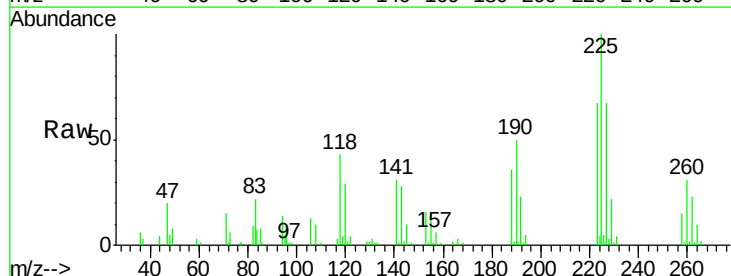
Manual Integrations
 APPROVED

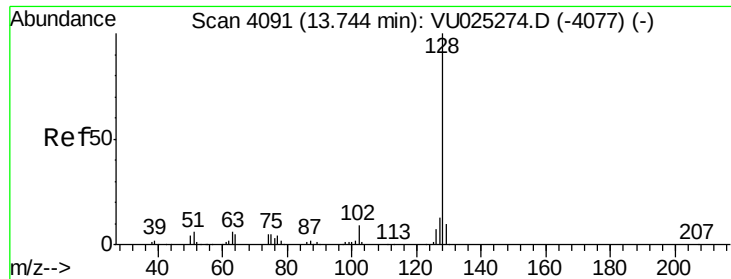
MMDadoda
 7/13/2018 11:44:14 AM



#94
 Hexachlorobutadiene
 Concen: 19.343 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025339.D
 Acq: 12 Jul 2018 15:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	31.9	95.7
227	64.9	32.3	96.9





#95

Naphthalene

Concen: 18.789 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

Instrument :

MSVOA_U

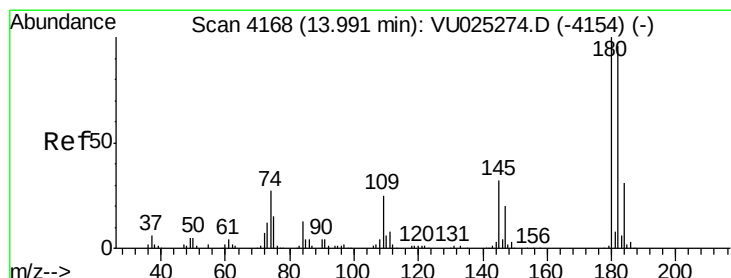
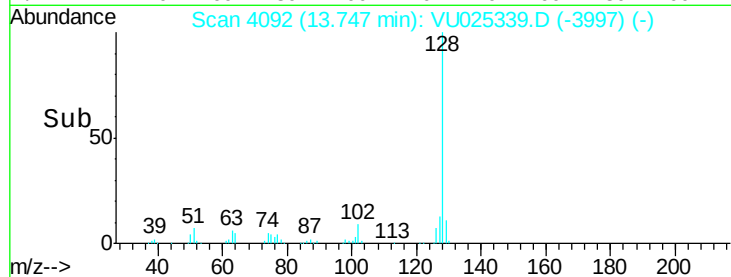
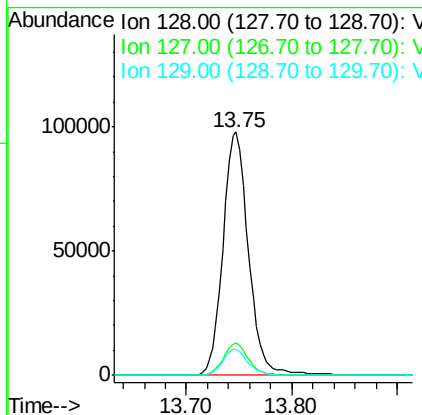
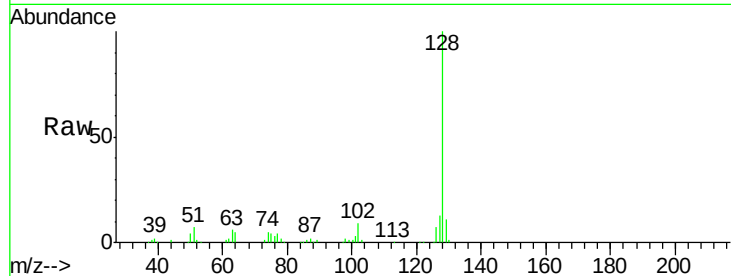
ClientSampleId :

VU0712WBS01

Tot Ion:	128	Resp:	163400
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.5	15.7
129	10.4	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
7/13/2018 11:44:14 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.561 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU025339.D

Acq: 12 Jul 2018 15:06

Tgt Ion:	180	Resp:	56911
Ion Ratio	Lower	Upper	
180	100		
182	99.3	47.8	143.3
145	33.1	15.6	46.8

