

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080118\
 Data File : VU025740.D
 Acq On : 31 Jul 2018 15:47
 Operator : MD/SY
 Sample : VU0801WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/2/2018 9:40:51 AM

Quant Time: Jul 31 17:19:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 13:11:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	177505	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	258025	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	246975	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	154339	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	137304	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	
35) Dibromofluoromethane	4.89	113	113716	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	
50) Toluene-d8	7.57	98	399695	50.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.80%	
62) 4-Bromofluorobenzene	10.31	95	152567	50.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	57877	21.573	ug/l	99
3) Chloromethane	1.33	50	48311	18.840	ug/l	100
4) Vinyl Chloride	1.40	62	48034	19.905	ug/l	100
5) Bromomethane	1.63	94	24591	20.864	ug/l	96
6) Chloroethane	1.70	64	27423	19.435	ug/l	99
7) Trichlorofluoromethane	1.89	101	70544	20.219	ug/l	100
8) Diethyl Ether	2.10	74	24618	19.501	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.29	101	42150	20.875	ug/l	99
10) Methyl Iodide	2.41	142	25234	19.691	ug/l	99
11) Tert butyl alcohol	2.82	59	55057	90.925	ug/l	100
12) 1,1-Dichloroethene	2.28	96	38399	20.147	ug/l	92
13) Acrolein	2.19	56	25453	114.971	ug/l	97
14) Allyl chloride	2.59	41	64546	18.845	ug/l	98
15) Acrylonitrile	2.93	53	116781	96.595	ug/l	99
16) Acetone	2.32	43	127228	94.355	ug/l	98
17) Carbon Disulfide	2.48	76	116321	18.858	ug/l	100
18) Methyl Acetate	2.62	43	70385	21.687	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	137684	19.935	ug/l	100
20) Methylene Chloride	2.70	84	45085	18.866	ug/l	98
21) trans-1,2-Dichloroethene	2.99	96	42389	19.240	ug/l	98
22) Diisopropyl ether	3.57	45	136186	20.178	ug/l	97
23) Vinyl Acetate	3.53	43	570902	97.061	ug/l	99
24) 1,1-Dichloroethane	3.45	63	81862	20.205	ug/l	99
25) 2-Butanone	4.26	43	172605	94.035	ug/l	100
26) 2,2-Dichloropropane	4.23	77	75587	20.526	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	47973	19.313	ug/l	99
28) Bromochloromethane	4.55	49	35855	19.793	ug/l	99
29) Tetrahydrofuran	4.64	42	103893	94.474	ug/l	99
30) Chloroform	4.68	83	84605	19.784	ug/l	100
31) Cyclohexane	5.00	56	72715	19.816	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	77119	20.029	ug/l	99
36) 1,1-Dichloropropene	5.14	75	62010	20.564	ug/l	98
37) Ethyl Acetate	4.38	43	61118	19.547	ug/l	98
38) Carbon Tetrachloride	5.14	117	69866	20.456	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	71565	20.713	ug/l	98
40) Benzene	5.39	78	173753	19.713	ug/l	98
41) Methacrylonitrile	4.54	41	35594	20.496	ug/l	98
42) 1,2-Dichloroethane	5.41	62	69428	20.456	ug/l	99
43) Isopropyl Acetate	5.55	43	103061	19.947	ug/l	100
44) Trichloroethene	6.19	130	49939	20.344	ug/l	98
45) 1,2-Dichloropropane	6.44	63	45507	19.796	ug/l	100
46) Dibromomethane	6.56	93	33736	20.254	ug/l	99
47) Bromodichloromethane	6.76	83	64928	20.435	ug/l	98
48) Methyl methacrylate	6.62	41	50816	20.067	ug/l	96
49) 1,4-Dioxane	6.61	88	24766	401.892	ug/l	94
51) 4-Methyl-2-Pentanone	7.46	43	315935	97.669	ug/l	100
52) Toluene	7.64	92	113091	20.652	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	73818	20.692	ug/l	94
54) cis-1,3-Dichloropropene	7.27	75	75200	20.521	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	46220	20.311	ug/l	98
56) Ethyl methacrylate	8.02	69	64768	19.920	ug/l	99
57) 1,3-Dichloropropane	8.25	76	78206	20.435	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	133584	95.235	ug/l	98
59) 2-Hexanone	8.36	43	246566	97.239	ug/l	99
60) Dibromochloromethane	8.48	129	52099	19.414	ug/l	98
61) 1,2-Dibromoethane	8.59	107	51491	20.345	ug/l	96
64) Tetrachloroethene	8.23	164	43918	20.203	ug/l	97
65) Chlorobenzene	9.12	112	129360	20.315	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	48361	20.995	ug/l	99
67) Ethyl Benzene	9.25	91	213944	20.284	ug/l	99
68) m/p-Xylenes	9.38	106	172645	42.635	ug/l	97
69) o-Xylene	9.78	106	81966	20.711	ug/l	97
70) Styrene	9.80	104	133693	20.914	ug/l	98
71) Bromoform	9.96	173	39424	19.738	ug/l #	94
73) Isopropylbenzene	10.17	105	222598	21.132	ug/l	99
74) N-amyl acetate	10.01	43	89052	20.708	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	75255	20.659	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	62043m	18.245	ug/l	
77) Bromobenzene	10.45	156	59144	20.355	ug/l	99
78) n-propylbenzene	10.59	91	257922	20.978	ug/l	100
79) 2-Chlorotoluene	10.66	91	152484	21.174	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	191748	21.433	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	23054m	16.999	ug/l	
82) 4-Chlorotoluene	10.78	91	181046	21.328	ug/l	100
83) tert-Butylbenzene	11.10	119	188080	21.160	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	197924	21.832	ug/l	99
85) sec-Butylbenzene	11.33	105	227788	20.990	ug/l	99
86) p-Isopropyltoluene	11.48	119	209274	21.536	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	108132	20.050	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	109063	19.400	ug/l	97
89) n-Butylbenzene	11.89	91	179718	20.042	ug/l	99
90) Hexachloroethane	12.15	117	34504	19.971	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	109383	20.691	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	17124	19.828	ug/l	99

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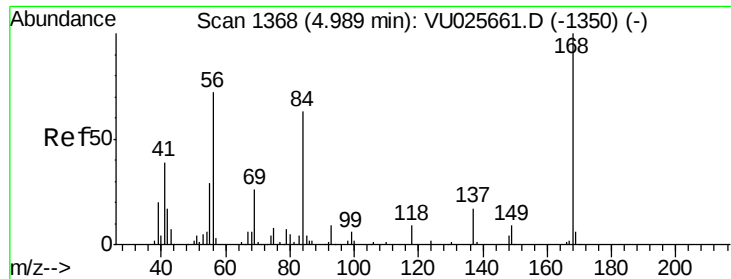
Manual Integrations
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	73056	20.476	ug/l	98
94) Hexachlorobutadiene	13.70	225	37001	19.673	ug/l	96
95) Naphthalene	13.75	128	209190	19.048	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	72670	20.418	ug/l	99

(#) = 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: VU025740.D

Acq: 31 Jul 2018 15:47

Instrument :

MSVOA_U

ClientSampleId :

VU0801WBS01

Tot Ion:168 Resp: 177505

Ion Ratio Lower Upper

168 100

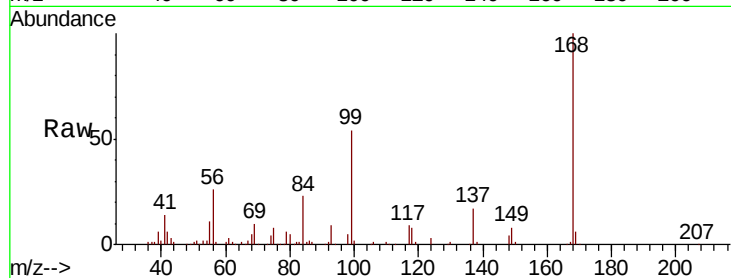
99 53.7 42.8 64.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU025661.D (-1350) (-)

Ion 98.90 (98.60 to 99.60): VU025661.D (-1350) (-)

80000

60000

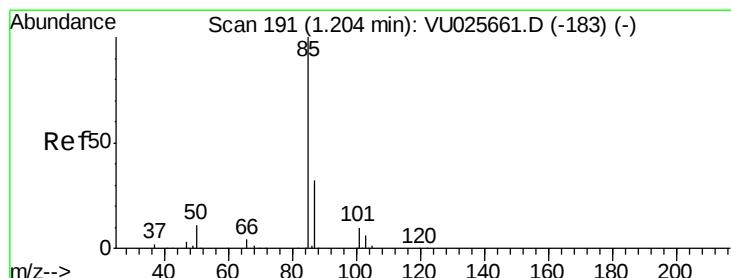
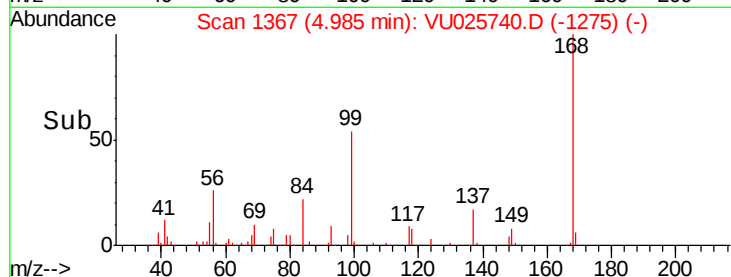
40000

20000

0

4.90 4.99 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.573 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU025740.D

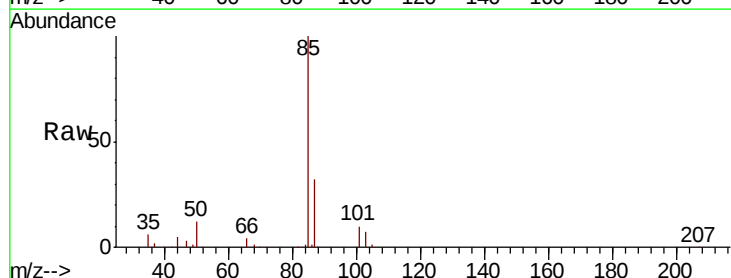
Acq: 31 Jul 2018 15:47

Tgt Ion: 85 Resp: 57877

Ion Ratio Lower Upper

85 100

87 32.2 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU025661.D (-183) (-)

Ion 86.90 (86.60 to 87.60): VU025661.D (-183) (-)

60000

50000

40000

30000

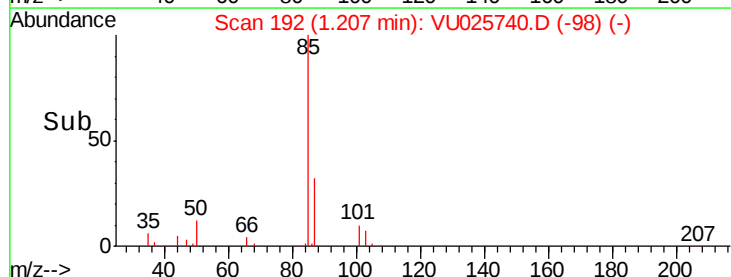
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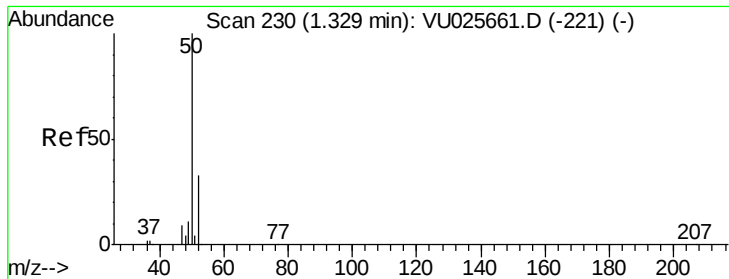
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0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 18.840 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU025740.D

Acq: 31 Jul 2018 15:47

Instrument :

MSVOA_U

ClientSampleId :

VU0801WBS01

Tot Ion: 50 Resp: 48311

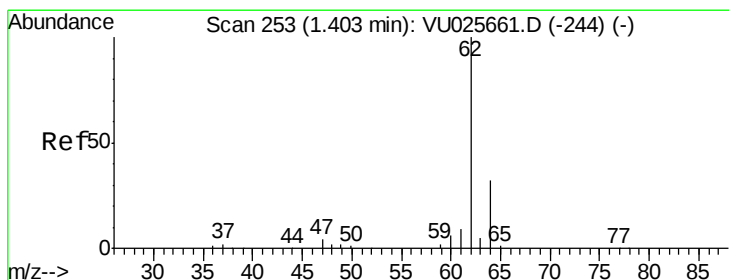
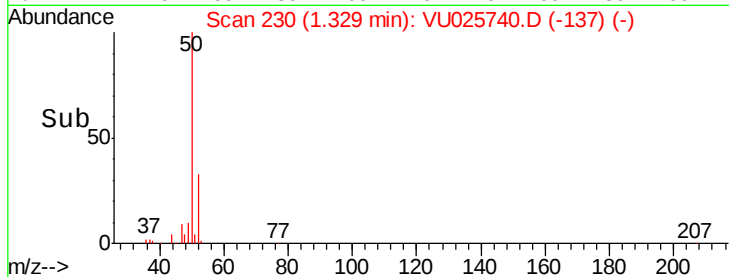
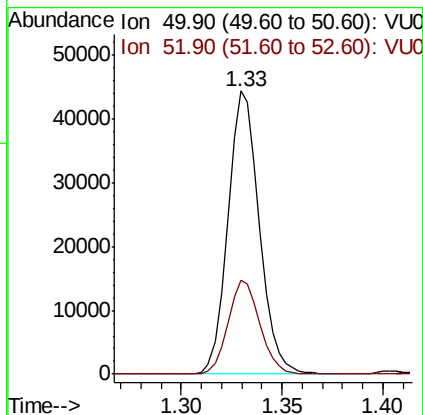
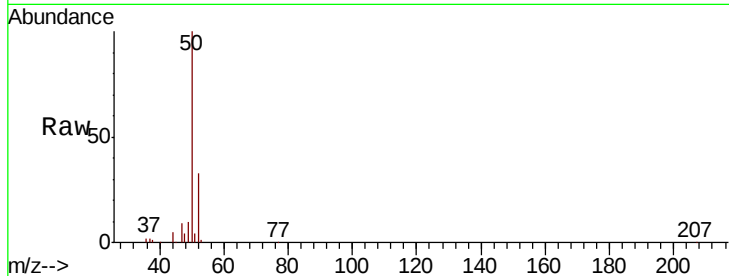
Ion Ratio Lower Upper

50 100

52 33.0 26.5 39.7

Manual Integrations
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#4

Vinyl Chloride

Concen: 19.905 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025740.D

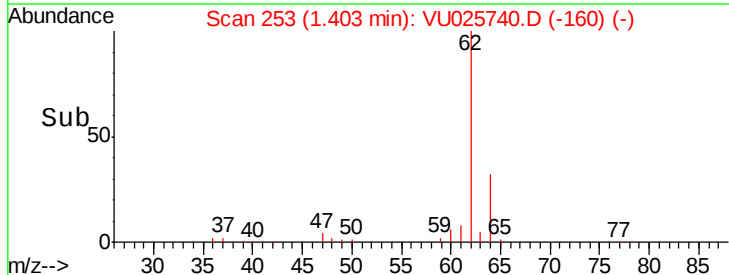
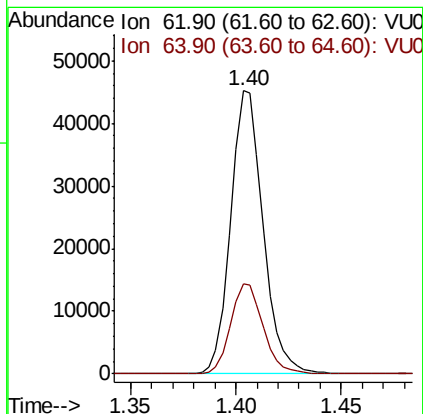
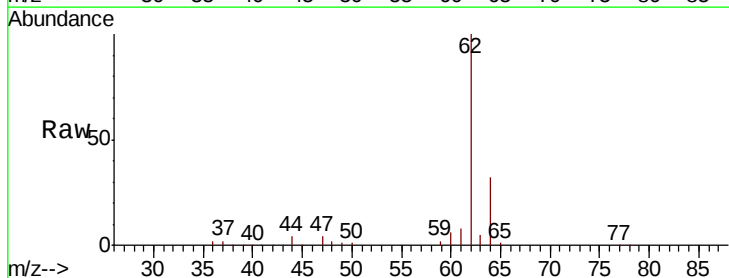
Acq: 31 Jul 2018 15:47

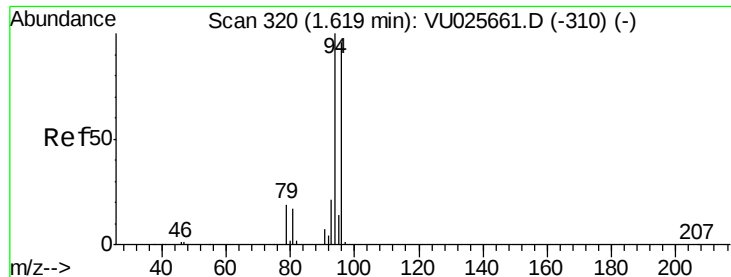
Tgt Ion: 62 Resp: 48034

Ion Ratio Lower Upper

62 100

64 31.8 25.4 38.0





#5

Bromomethane

Concen: 20.864 ug/l

RT: 1.63 min Scan# 322

Delta R.T. 0.01 min

Lab File: VU025740.D

Acq: 31 Jul 2018 15:47

Instrument :

MSVOA_U

ClientSampleId :

VU0801WBS01

Tot Ion: 94 Resp: 24591

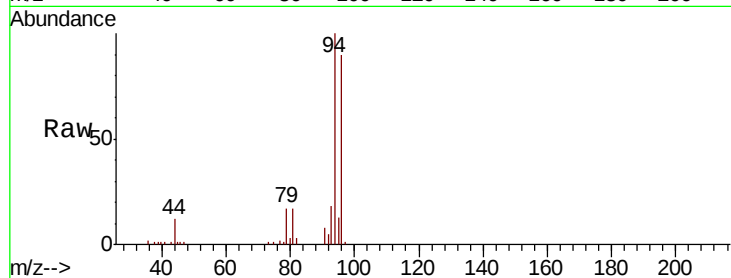
Ion Ratio Lower Upper

94 100

96 89.9 75.0 112.4

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Abundance Ion 93.90 (93.60 to 94.60): VU025661.D (-310) (-)

Ion 95.90 (95.60 to 96.60): VU025661.D (-310) (-)

1.63

20000

15000

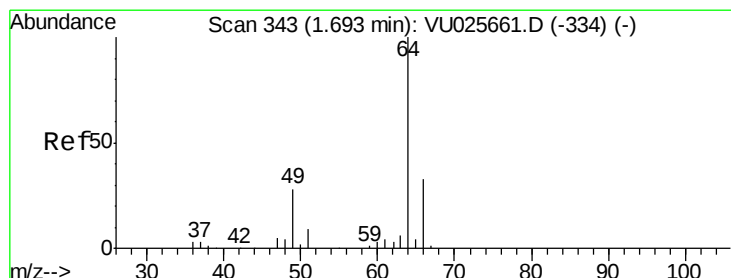
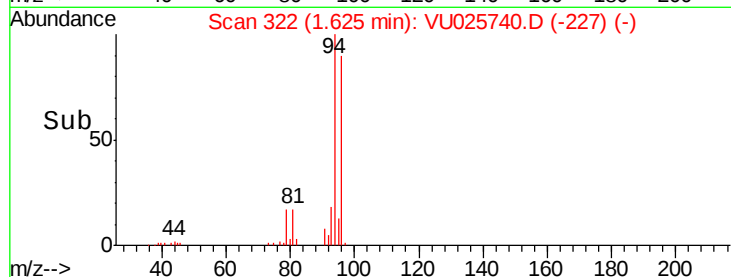
10000

5000

0

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 19.435 ug/l

RT: 1.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VU025740.D

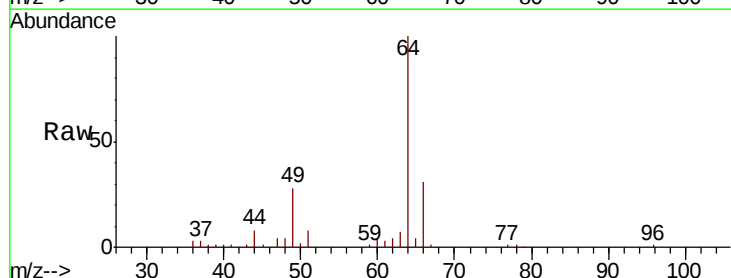
Acq: 31 Jul 2018 15:47

Tgt Ion: 64 Resp: 27423

Ion Ratio Lower Upper

64 100

66 30.5 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VU025661.D (-334) (-)

Ion 65.90 (65.60 to 66.60): VU025661.D (-334) (-)

1.70

25000

20000

15000

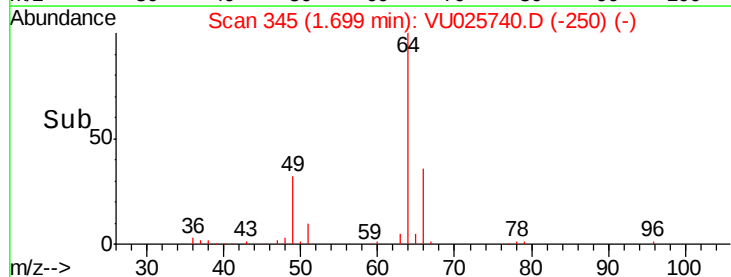
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5000

0

1.65 1.70 1.75

Time-->





#7

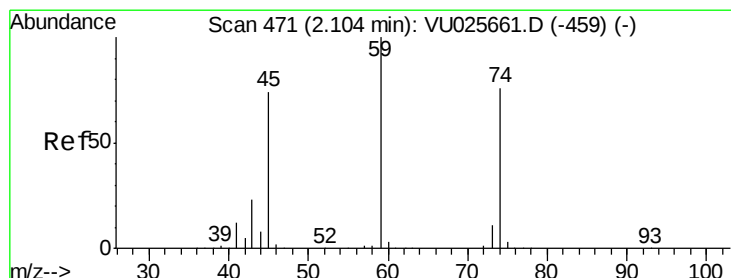
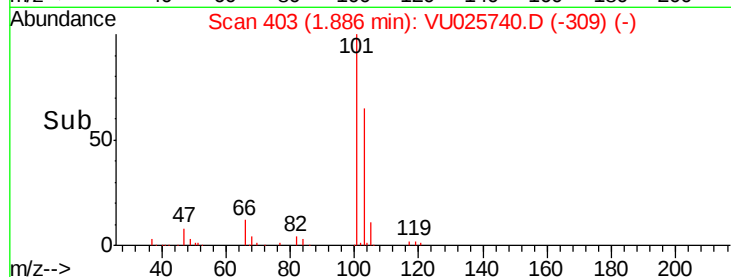
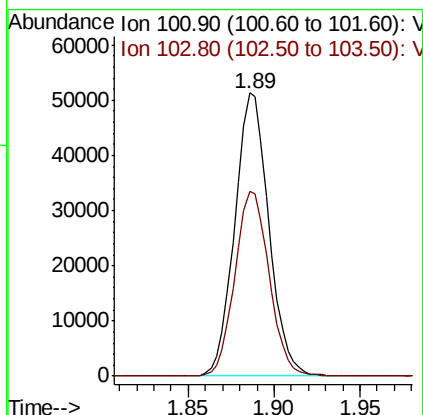
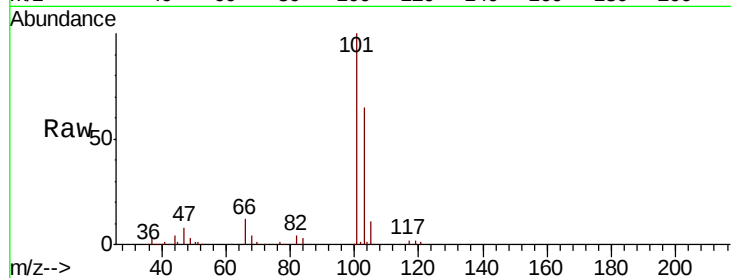
Trichlorofluoromethane
Concen: 20.219 ug/l
RT: 1.89 min Scan# 403
Delta R.T. 0.00 min
Lab File: VU025740.D
Acq: 31 Jul 2018 15:47

Instrument :
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ClientSampleId :
VU0801WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	52.2	78.2

Manual Integrations
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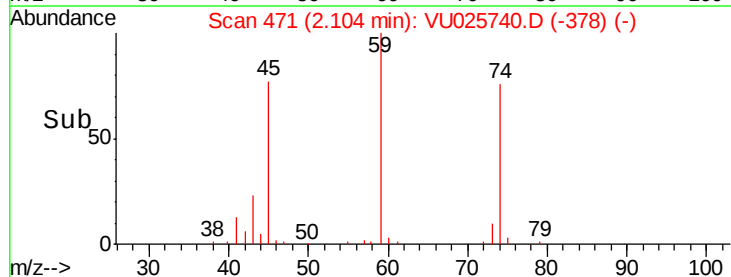
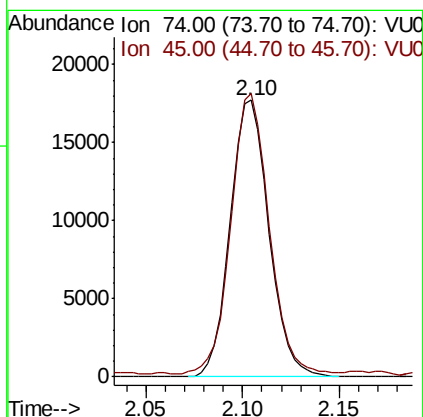
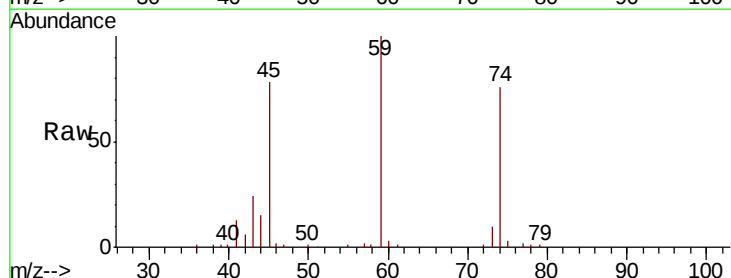
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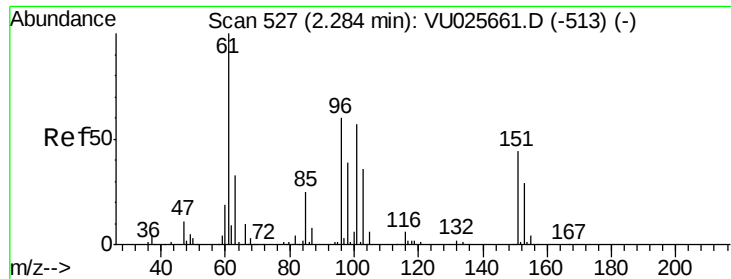


#8

Diethyl Ether
Concen: 19.501 ug/l
RT: 2.10 min Scan# 471
Delta R.T. -0.00 min
Lab File: VU025740.D
Acq: 31 Jul 2018 15:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.4	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.875 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025740.D

Acq: 31 Jul 2018 15:47

Instrument :

MSVOA_U

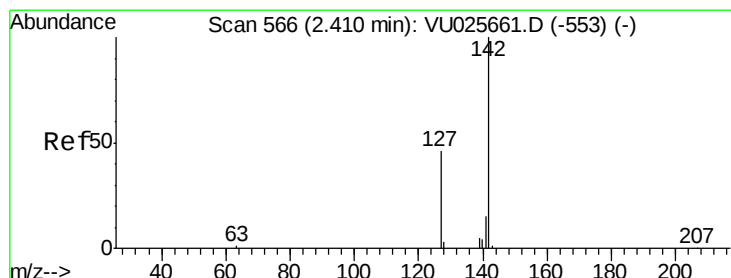
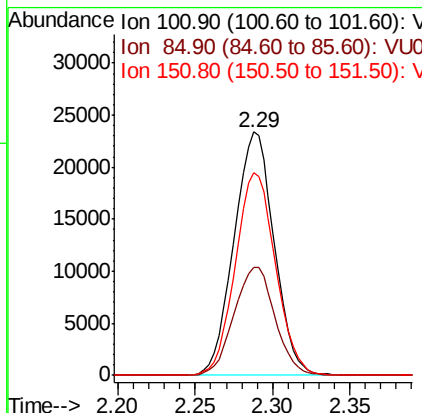
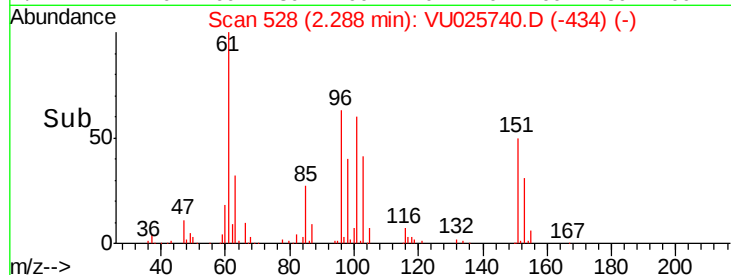
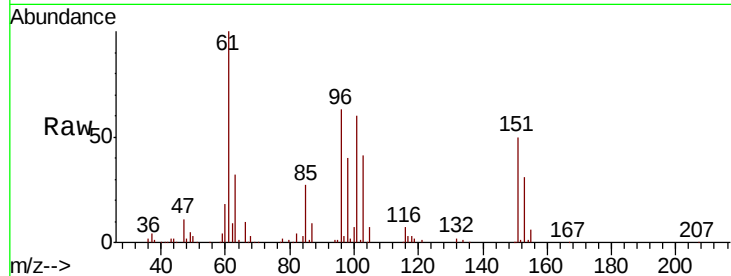
ClientSampleId :

VU0801WBS01

Tot Ion:	101	Resp:	42150
Ion Ratio	Lower	Upper	
101	100		
85	45.2	36.0	54.0
151	83.3	65.6	98.4

Manual Integrations
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#10

Methyl Iodide

Concen: 19.691 ug/l

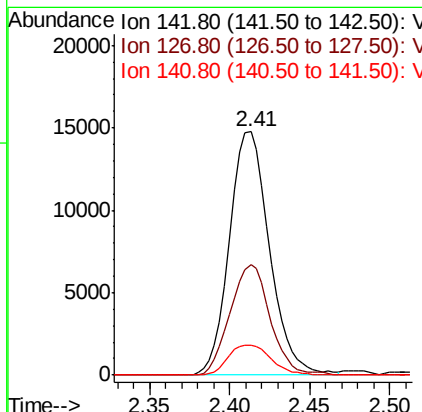
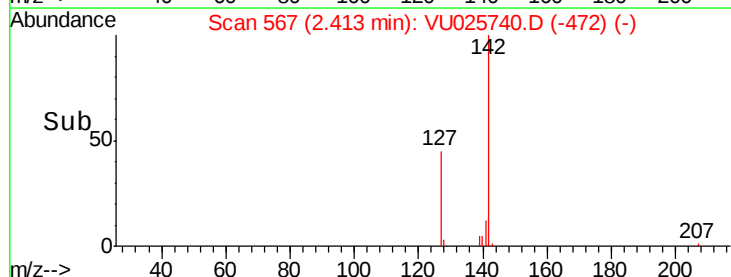
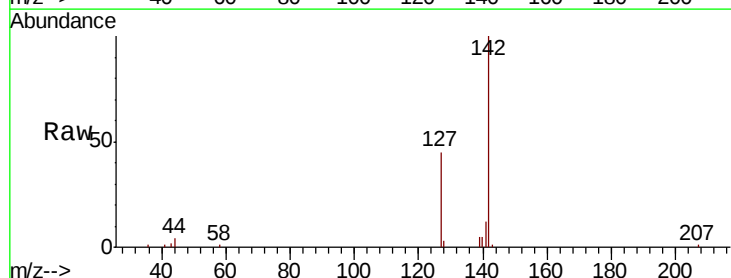
RT: 2.41 min Scan# 567

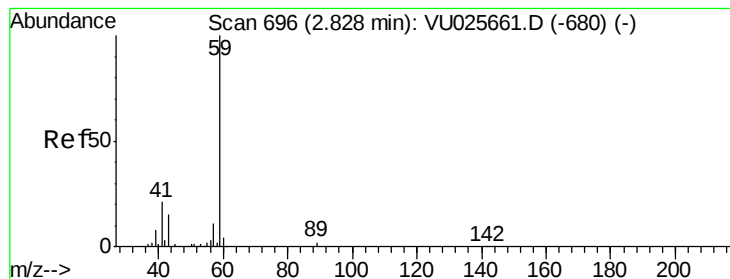
Delta R.T. 0.00 min

Lab File: VU025740.D

Acq: 31 Jul 2018 15:47

Tgt Ion:	142	Resp:	25234
Ion Ratio	Lower	Upper	
142	100		
127	45.3	36.5	54.7
141	13.2	11.4	17.2





#11

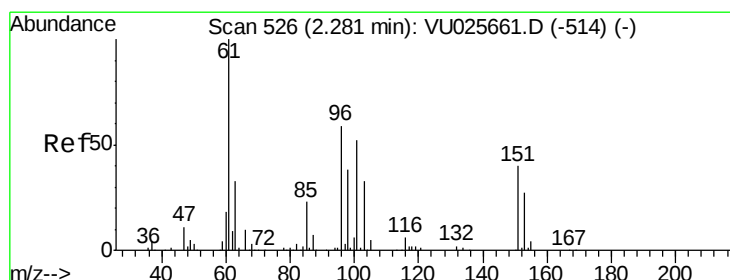
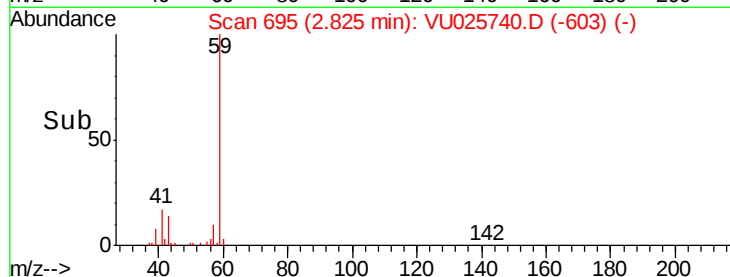
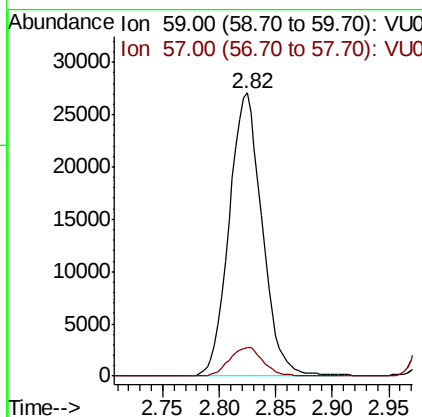
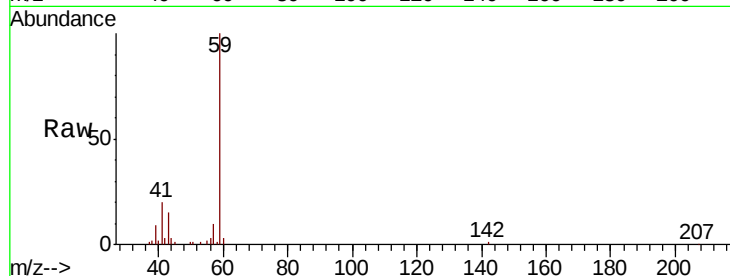
Tert butyl alcohol
 Concen: 90.925 ug/l
 RT: 2.82 min Scan# 695
 Delta R.T. -0.00 min
 Lab File: VU025740.D
 Acq: 31 Jul 2018 15:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.2

Manual Integrations
 APPROVED

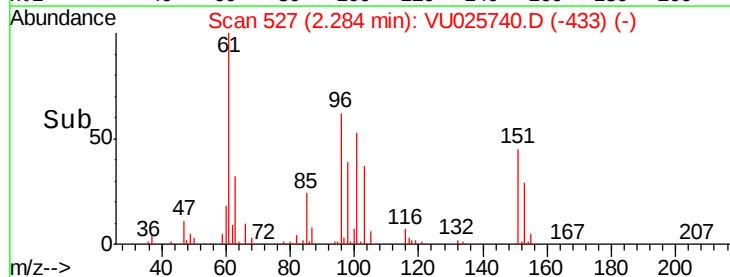
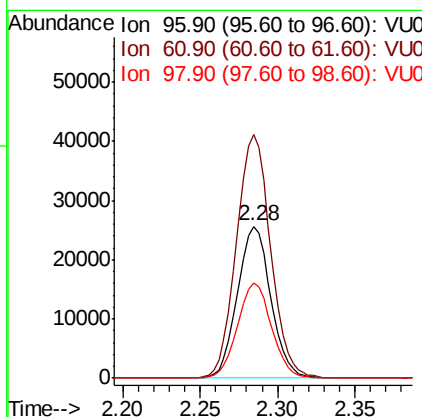
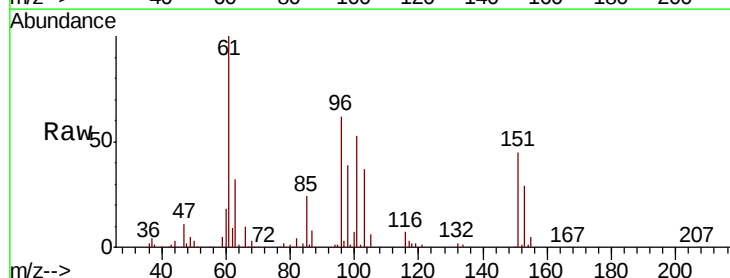
MMDadoda
 8/2/2018 9:40:51 AM

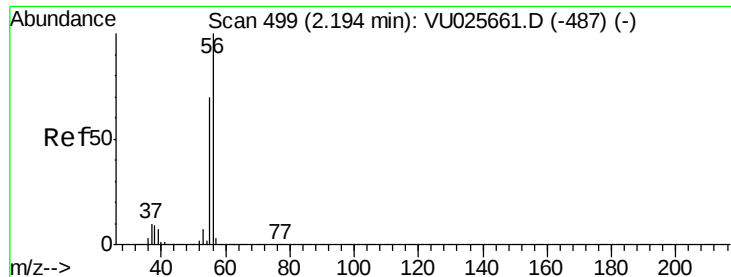


#12

1,1-Dichloroethene
 Concen: 20.147 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VU025740.D
 Acq: 31 Jul 2018 15:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.5	140.2	210.4
98	62.6	49.3	73.9





#13

Acrolein

Concen: 114.971 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025740.D

Acq: 31 Jul 2018 15:47

Instrument :

MSVOA_U

ClientSampleId :

VU0801WBS01

Tot Ion: 56 Resp: 25453

Ion Ratio Lower Upper

56 100

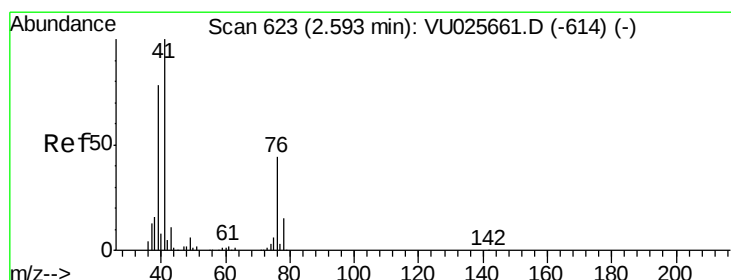
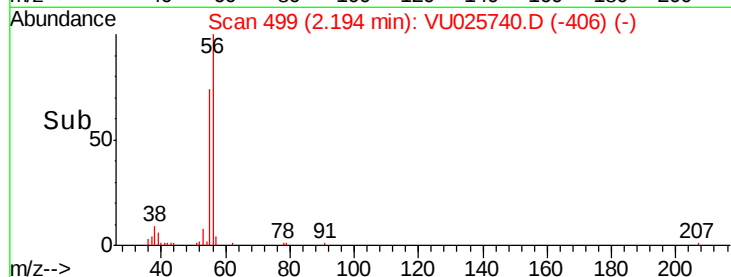
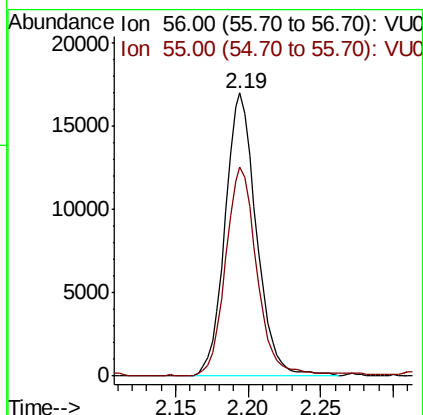
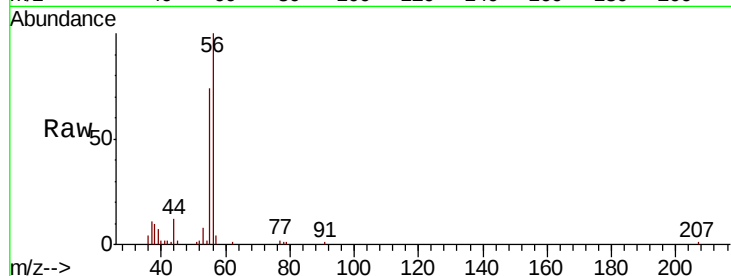
55 73.7 57.2 85.8

Manual Integrations

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#14

Allyl chloride

Concen: 18.845 ug/l

RT: 2.59 min Scan# 623

Delta R.T. -0.00 min

Lab File: VU025740.D

Acq: 31 Jul 2018 15:47

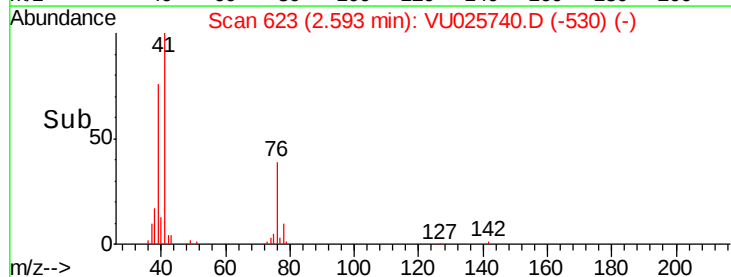
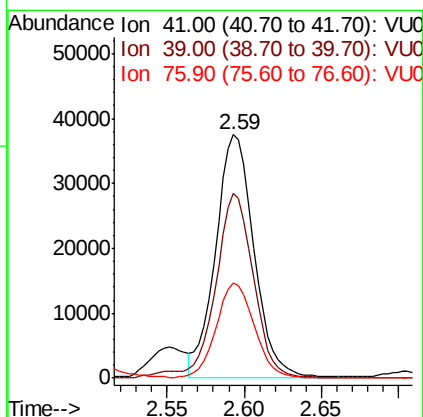
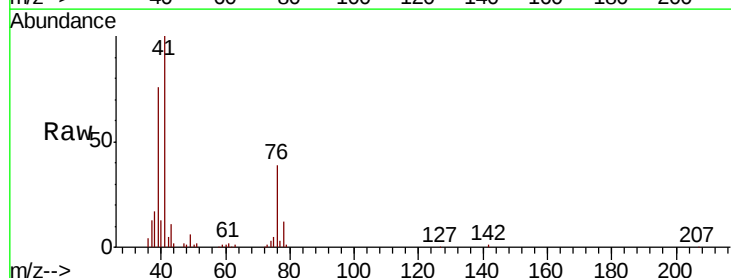
Tgt Ion: 41 Resp: 64546

Ion Ratio Lower Upper

41 100

39 73.7 60.6 91.0

76 38.7 30.5 45.7





#15

Acrylonitrile

Concen: 96.595 ug/l

RT: 2.93 min Scan# 729

Delta R.T. -0.00 min

Lab File: VU025740.D

Acq: 31 Jul 2018 15:47

Instrument :

MSVOA_U

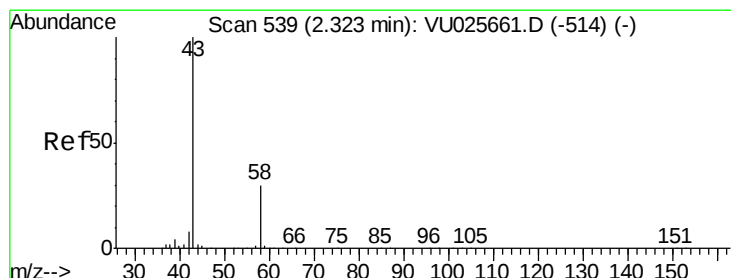
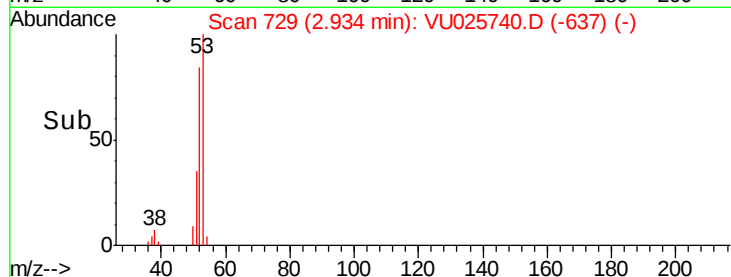
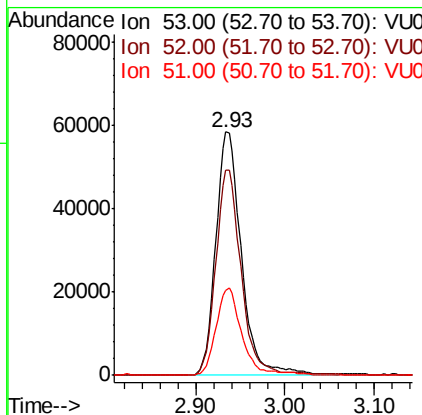
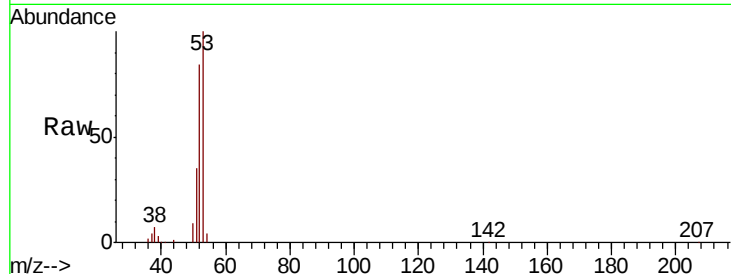
ClientSampleId :

VU0801WBS01

Tot Ion:	53	Resp:	116781
Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.6	99.8
51	35.5	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 94.355 ug/l

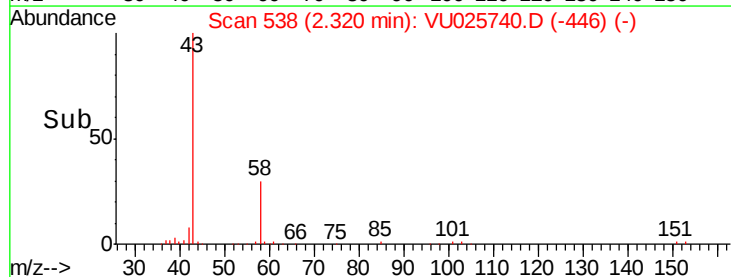
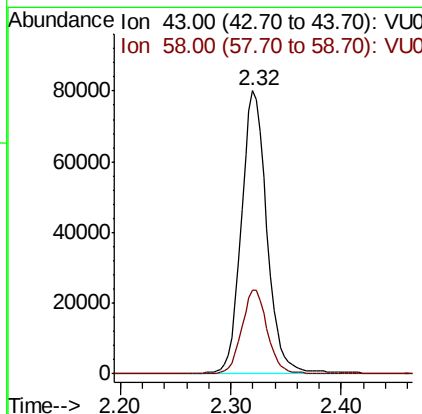
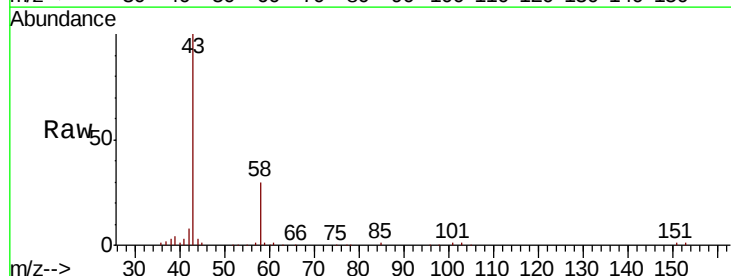
RT: 2.32 min Scan# 538

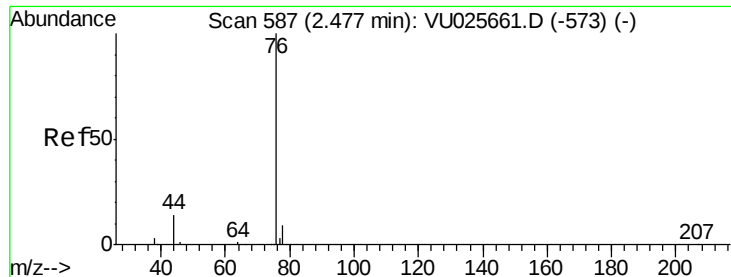
Delta R.T. -0.00 min

Lab File: VU025740.D

Acq: 31 Jul 2018 15:47

Tgt Ion:	43	Resp:	127228
Ion	Ratio	Lower	Upper
43	100		
58	29.9	23.1	34.7





#17

Carbon Disulfide

Concen: 18.858 ug/l

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU025740.D

Acq: 31 Jul 2018 15:47

Instrument :

MSVOA_U

ClientSampleId :

VU0801WBS01

Tot Ion: 76 Resp: 116321

Ion Ratio Lower Upper

76 100

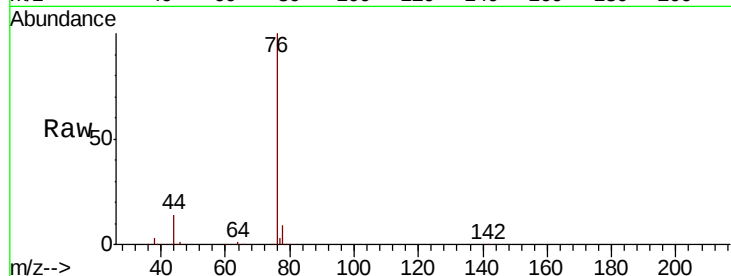
78 9.2 7.4 11.2

Manual Integrations

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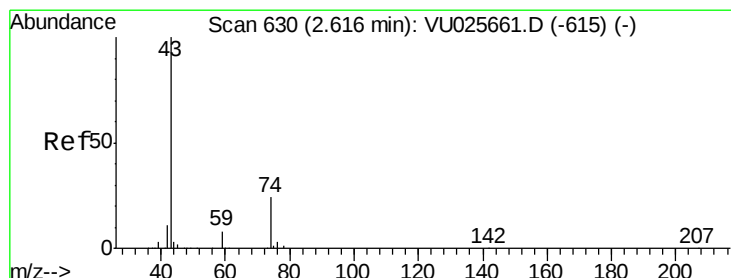
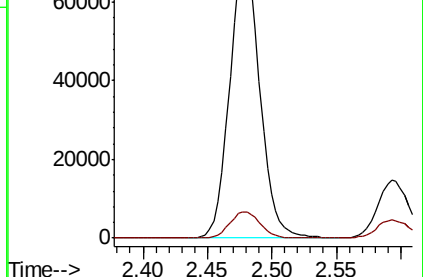
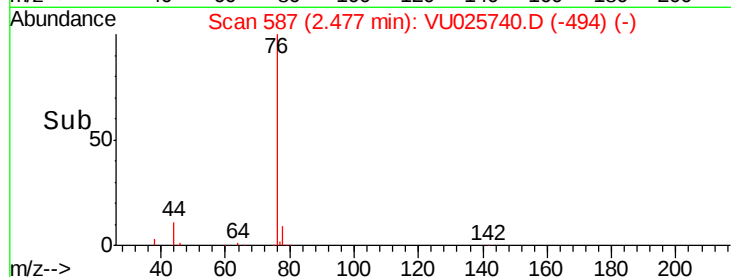


Abundance Ion 75.90 (75.60 to 76.60): VU025740.D (-494) (-)

Ion 77.90 (77.60 to 78.60): VU025740.D (-494) (-)

2.48

Time-->



#18

Methyl Acetate

Concen: 21.687 ug/l

RT: 2.62 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU025740.D

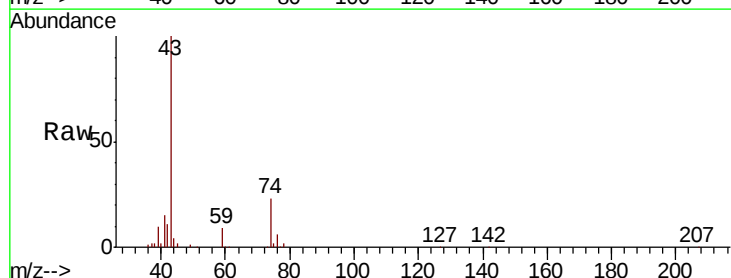
Acq: 31 Jul 2018 15:47

Tgt Ion: 43 Resp: 70385

Ion Ratio Lower Upper

43 100

74 23.1 18.5 27.7

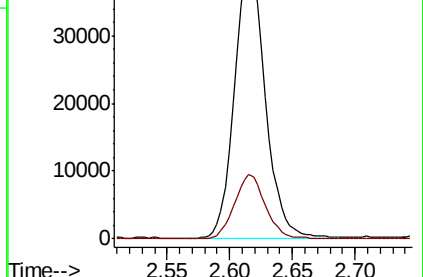
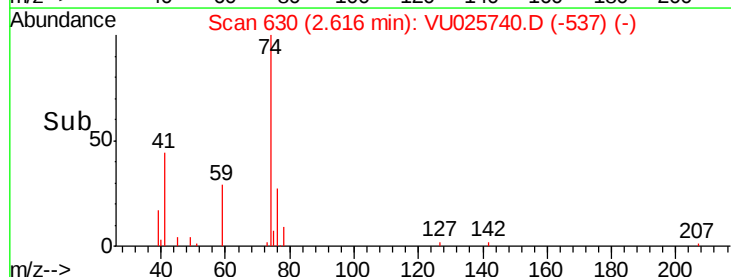


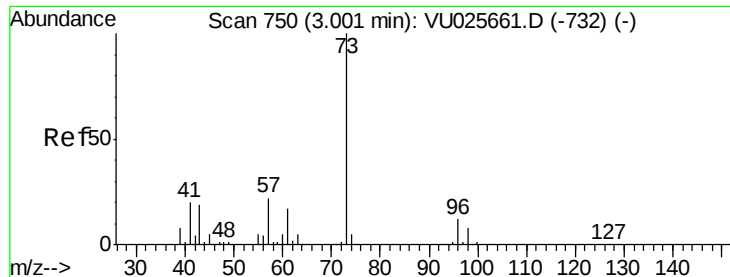
Abundance Ion 43.00 (42.70 to 43.70): VU025740.D (-537) (-)

Ion 74.00 (73.70 to 74.70): VU025740.D (-537) (-)

2.62

Time-->





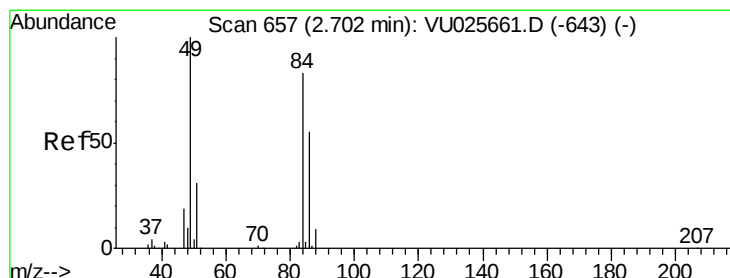
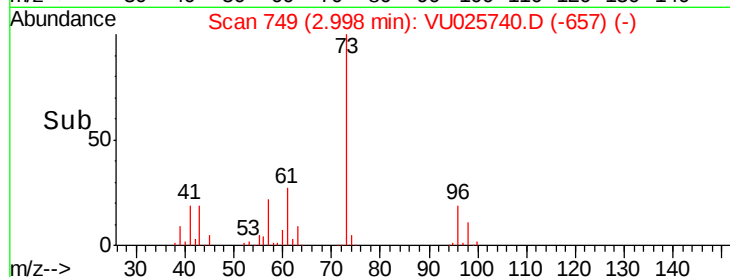
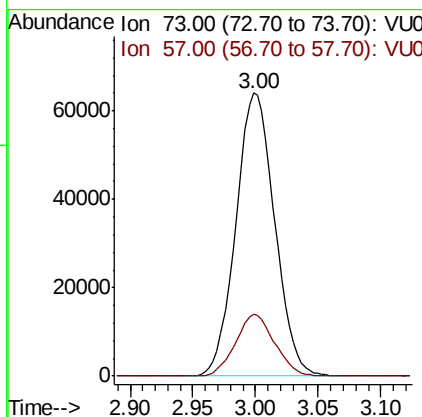
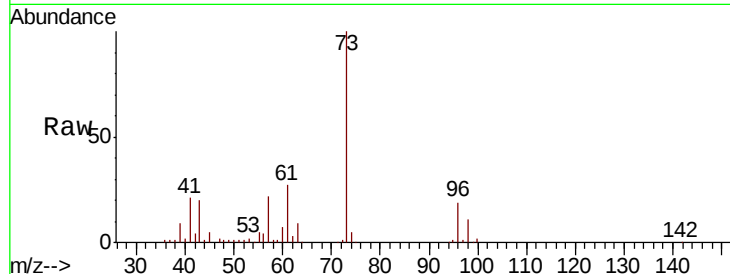
#19
Methvl tert-butvl Ether
Concen: 19.935 ug/l
RT: 3.00 min Scan# 749
Delta R.T. -0.00 min
Lab File: VU025740.D
Acq: 31 Jul 2018 15:47

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.4	26.2

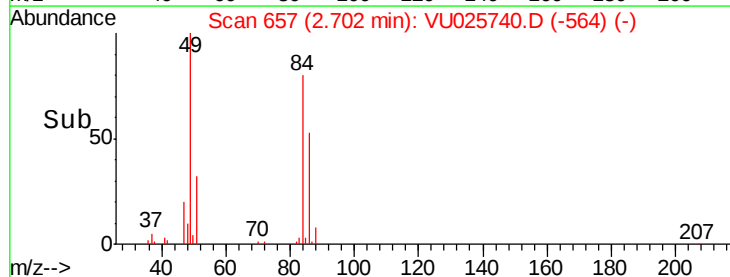
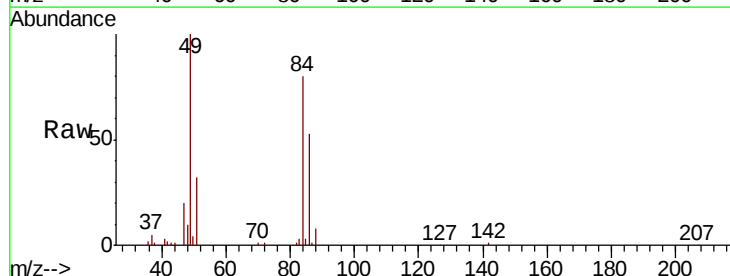
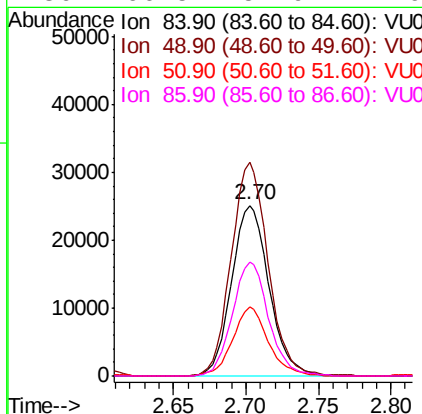
Manual Integrations
APPROVED

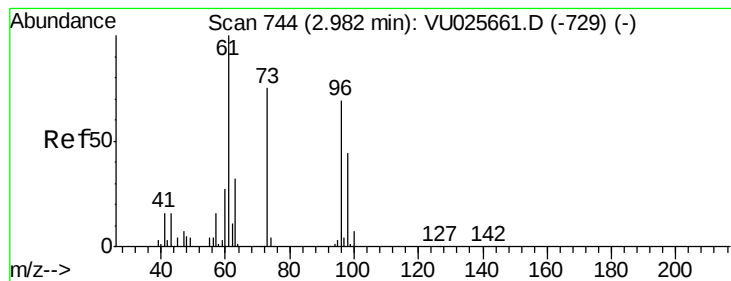
MMDadoda
8/2/2018 9:40:51 AM



#20
Methylene Chloride
Concen: 18.866 ug/l
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU025740.D
Acq: 31 Jul 2018 15:47

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.0	101.8	152.6
51	40.2	30.8	46.2
86	66.5	51.9	77.9





#21

trans-1,2-Dichloroethene

Concen: 19.240 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025740.D

Acq: 31 Jul 2018 15:47

Instrument :

MSVOA_U

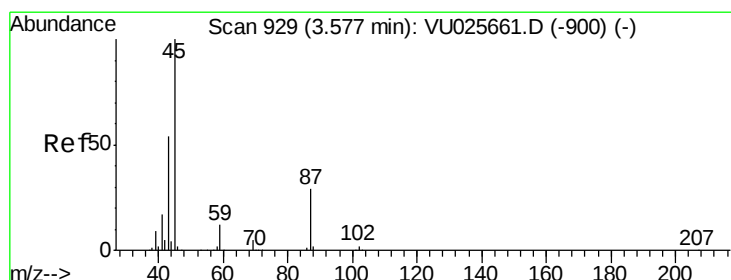
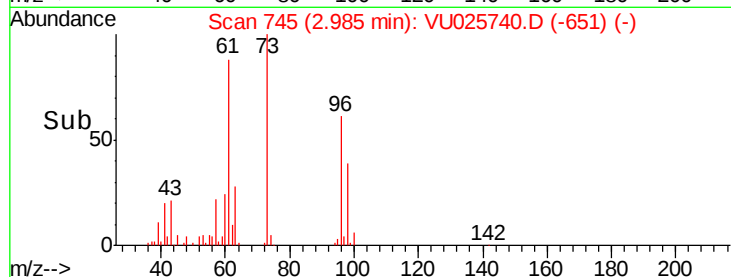
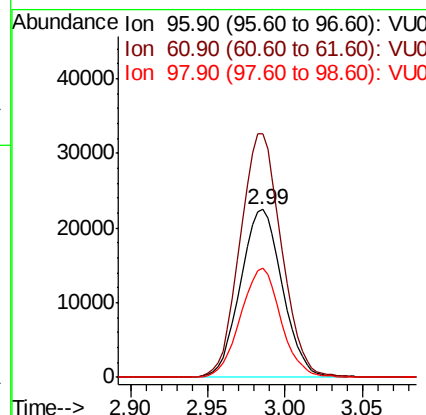
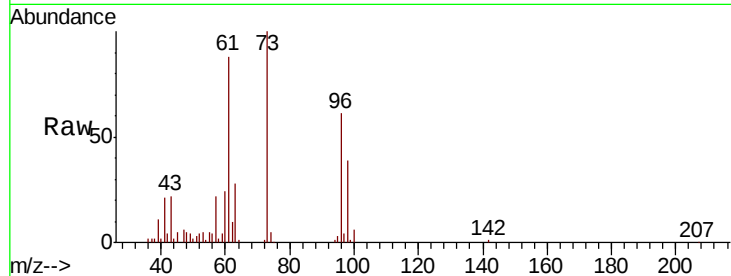
ClientSampleId :

VU0801WBS01

Tot Ion:	96	Resp:	42389
Ion	Ratio	Lower	Upper
96	100		
61	145.0	114.5	171.7
98	64.8	50.5	75.7

Manual Integrations
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8/2/2018 9:40:51 AM



#22

Diisopropyl ether

Concen: 20.178 ug/l

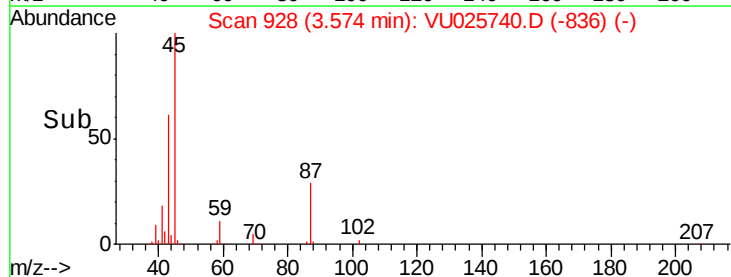
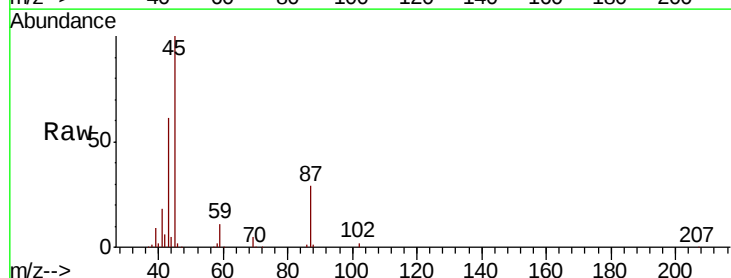
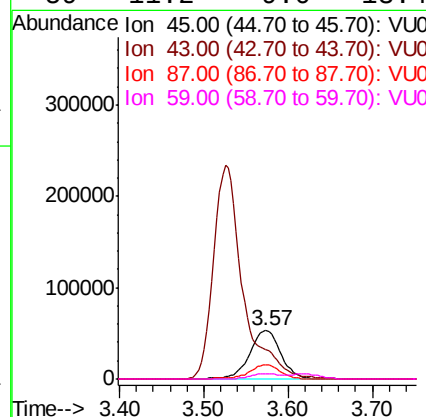
RT: 3.57 min Scan# 928

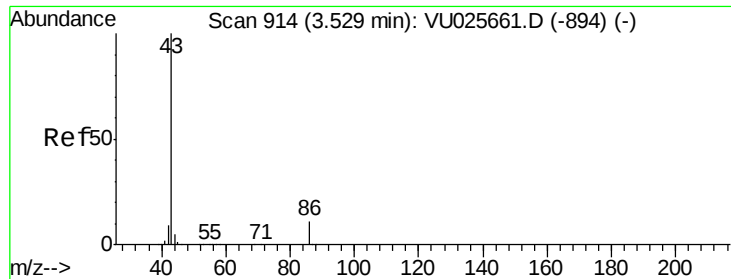
Delta R.T. -0.00 min

Lab File: VU025740.D

Acq: 31 Jul 2018 15:47

Tgt Ion:	45	Resp:	136186
Ion	Ratio	Lower	Upper
45	100		
43	59.8	50.9	76.3
87	29.1	23.8	35.8
59	11.2	9.0	13.4





#23

Vinyl Acetate

Concen: 97.061 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU025740.D

Acq: 31 Jul 2018 15:47

Tot Ion: 43 Resp: 570902

Ion Ratio Lower Upper

43 100

86 10.4 8.2 12.2

Instrument :

MSVOA_U

ClientSampled :

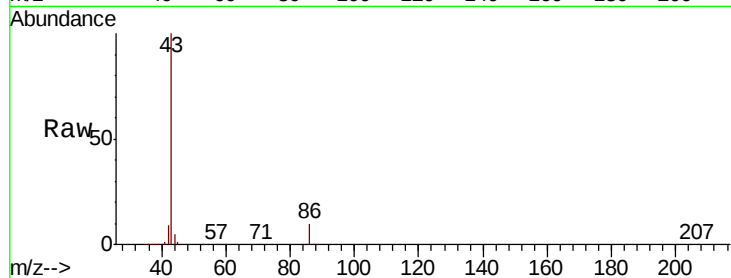
VU0801WBS01

Manual Integrations

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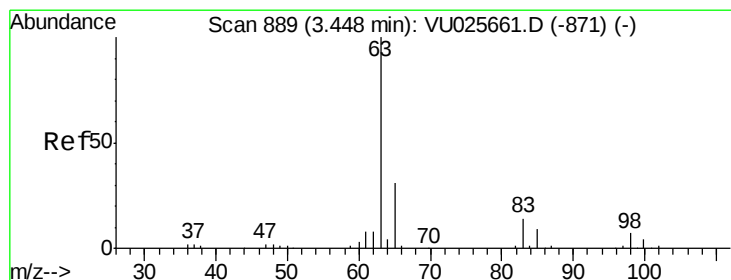
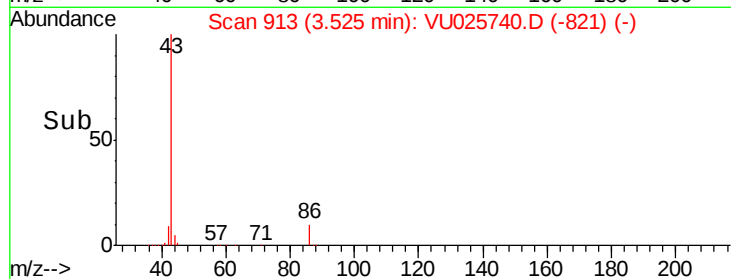
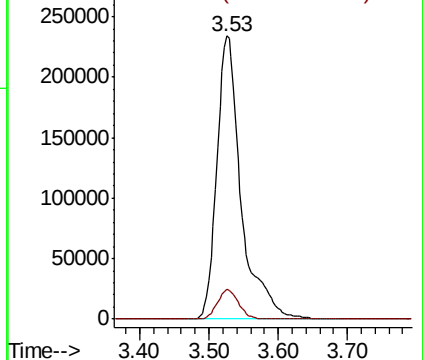
MMDadoda

8/2/2018 9:40:51 AM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 20.205 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU025740.D

Acq: 31 Jul 2018 15:47

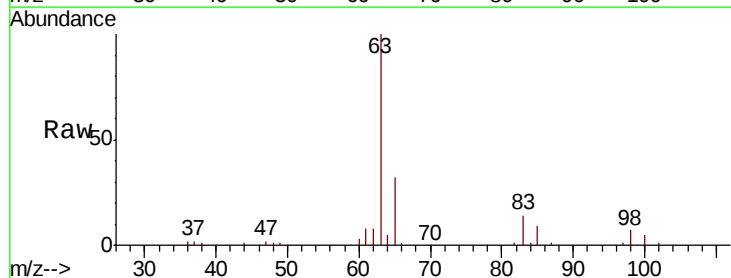
Tgt Ion: 63 Resp: 81862

Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.1

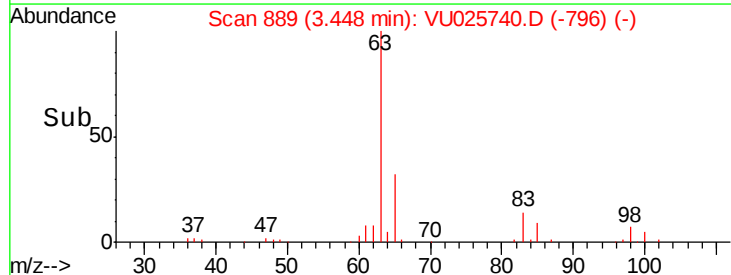
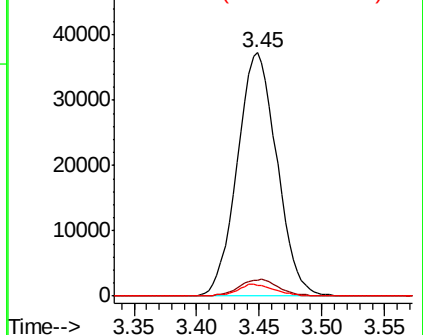
100 4.6 2.0 6.0

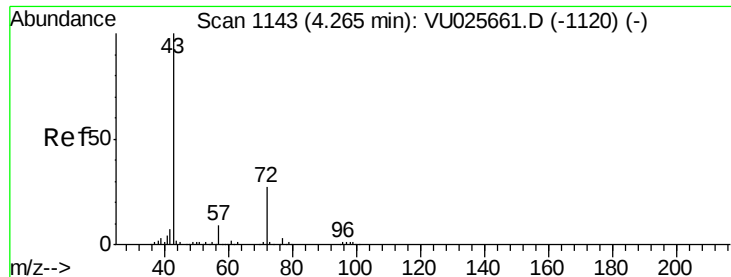


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





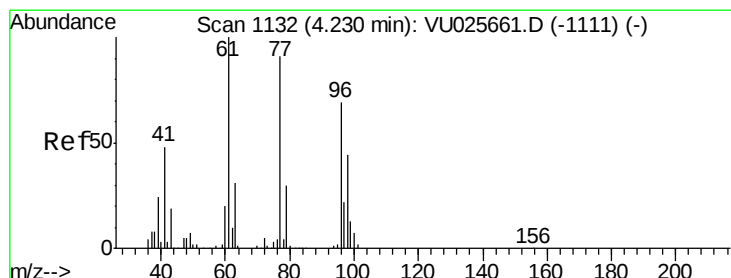
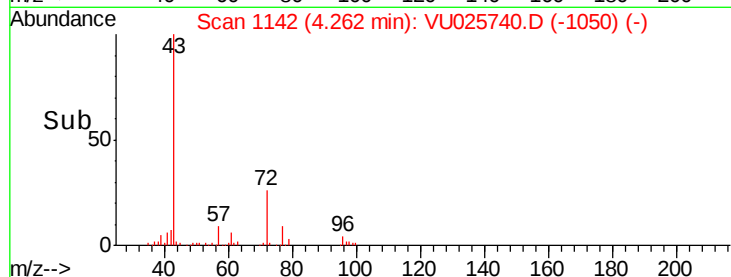
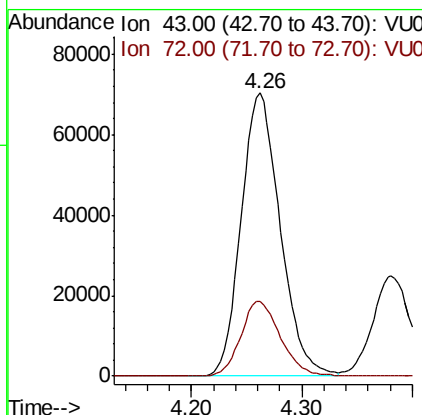
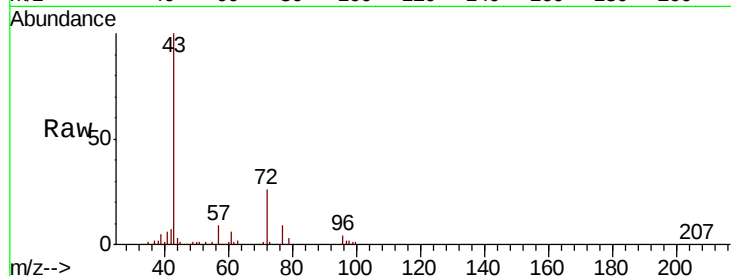
#25
2-Butanone
Concen: 94.035 ug/l
RT: 4.26 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VU025740.D
Acq: 31 Jul 2018 15:47

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBS01

Tot Ion: 43 Resp: 172605
Ion Ratio Lower Upper
43 100
72 26.2 21.0 31.4

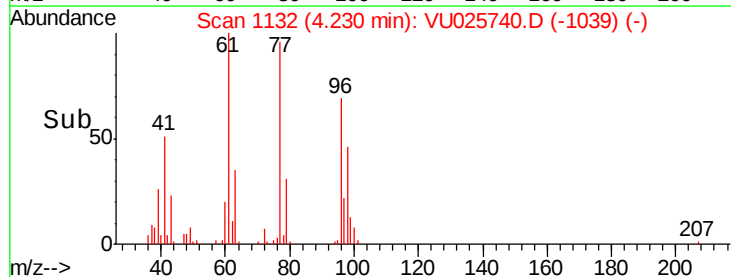
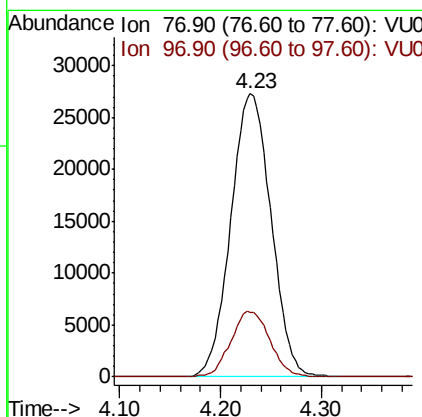
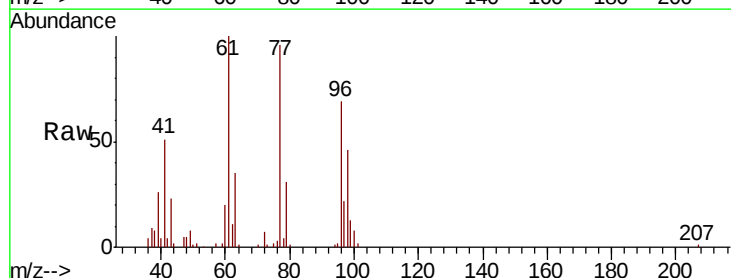
Manual Integrations
APPROVED

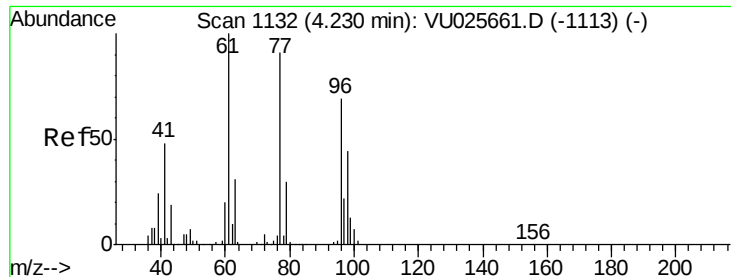
MMDadoda
8/2/2018 9:40:51 AM



#26
2,2-Dichloropropane
Concen: 20.526 ug/l
RT: 4.23 min Scan# 1132
Delta R.T. -0.00 min
Lab File: VU025740.D
Acq: 31 Jul 2018 15:47

Tgt Ion: 77 Resp: 75587
Ion Ratio Lower Upper
77 100
97 22.4 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 19.313 ug/l

RT: 4.23 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VU025740.D

Acq: 31 Jul 2018 15:47

Instrument :

MSVOA_U

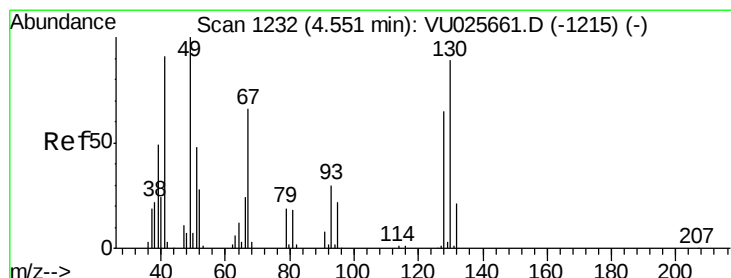
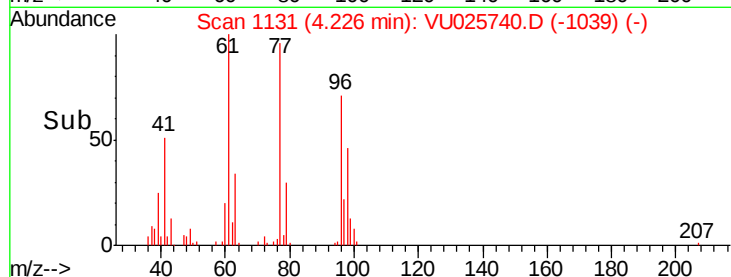
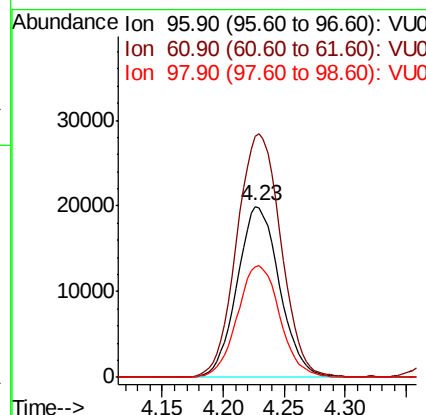
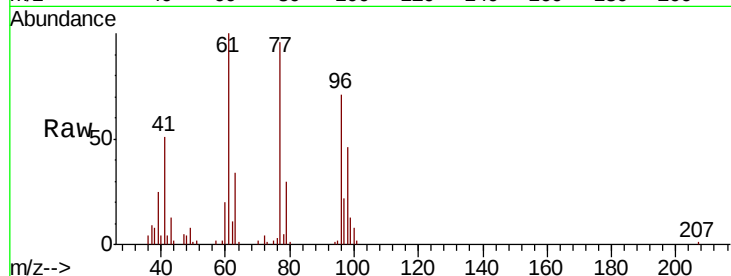
ClientSampleId :

VU0801WBS01

Tot Ion:	96	Resp:	47973
Ion	Ratio	Lower	Upper
96	100		
61	148.9	0.0	299.8
98	65.8	0.0	128.6

Manual Integrations
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#28

Bromochloromethane

Concen: 19.793 ug/l

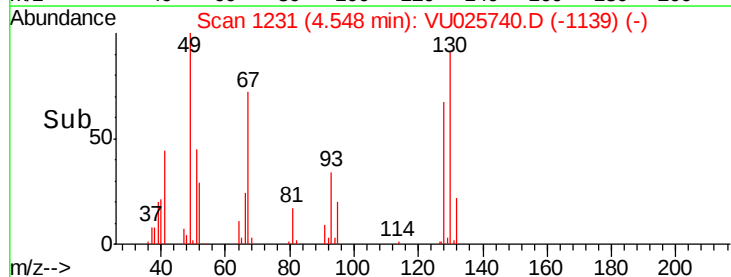
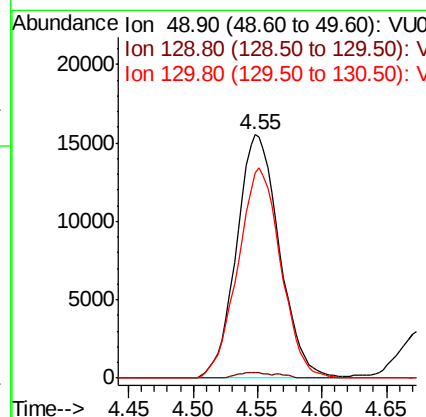
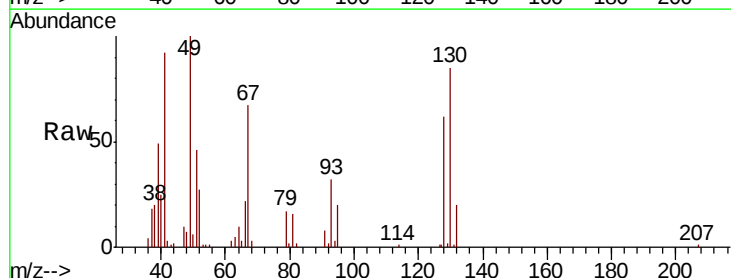
RT: 4.55 min Scan# 1231

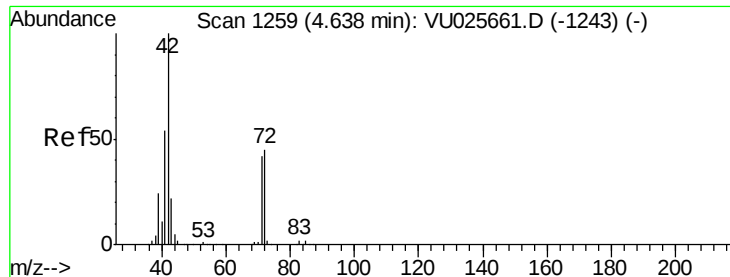
Delta R.T. -0.00 min

Lab File: VU025740.D

Acq: 31 Jul 2018 15:47

Tgt Ion:	49	Resp:	35855
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.6
130	86.5	68.6	102.8





#29

Tetrahydrofuran

Concen: 94.474 ug/l

RT: 4.64 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VU025740.D

Acq: 31 Jul 2018 15:47

Instrument :

MSVOA_U

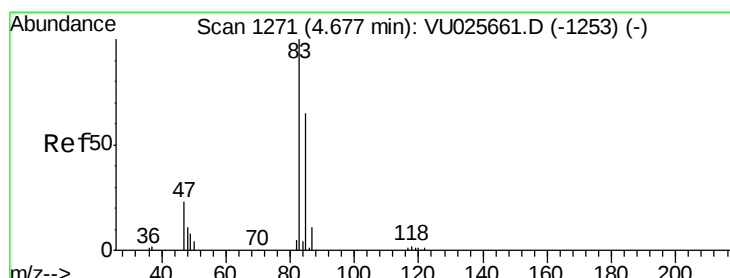
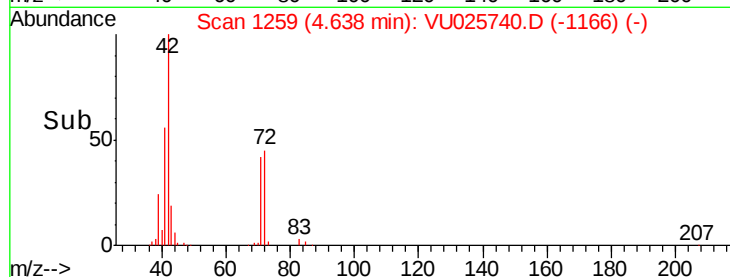
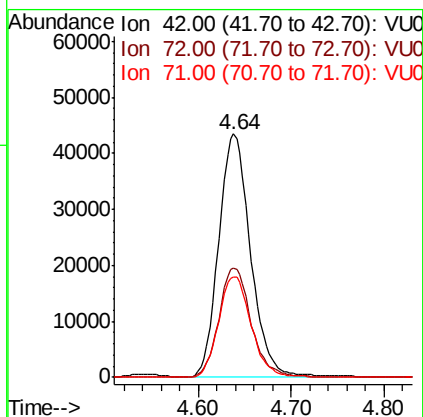
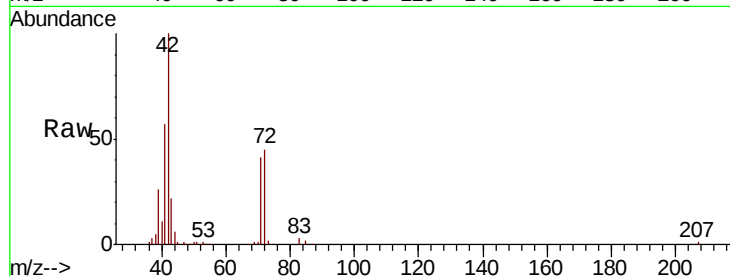
ClientSampleId :

VU0801WBS01

Tot Ion:	42	Resp:	103893
Ion	Ratio	Lower	Upper
42	100		
72	45.2	36.7	55.1
71	41.8	33.9	50.9

Manual Integrations
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#30

Chloroform

Concen: 19.784 ug/l

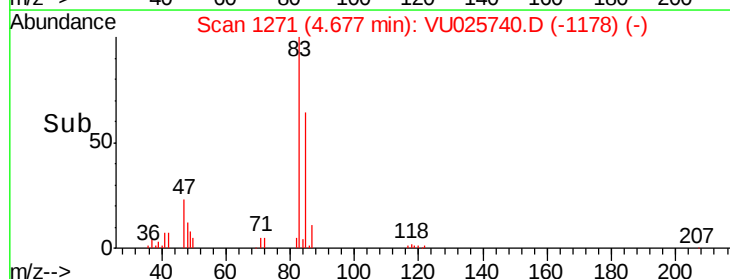
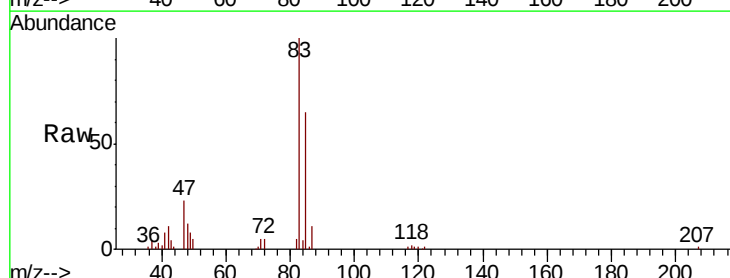
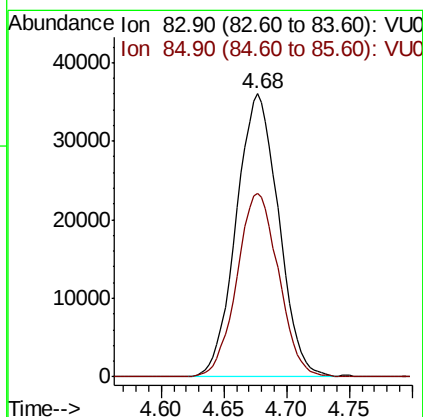
RT: 4.68 min Scan# 1271

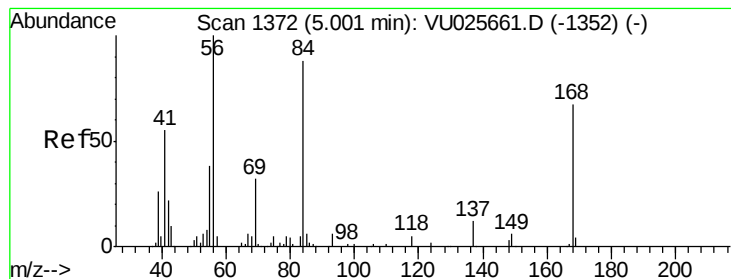
Delta R.T. -0.00 min

Lab File: VU025740.D

Acq: 31 Jul 2018 15:47

Tgt Ion:	83	Resp:	84605
Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.5	77.3





#31

Cvclohexane

Concen: 19.816 ug/l

RT: 5.00 min Scan# 1371

Delta R.T. -0.00 min

Lab File: VU025740.D

Acq: 31 Jul 2018 15:47

Instrument :

MSVOA_U

ClientSampleId :

VU0801WBS01

Tot Ion: 56 Resp: 72715

Ion Ratio Lower Upper

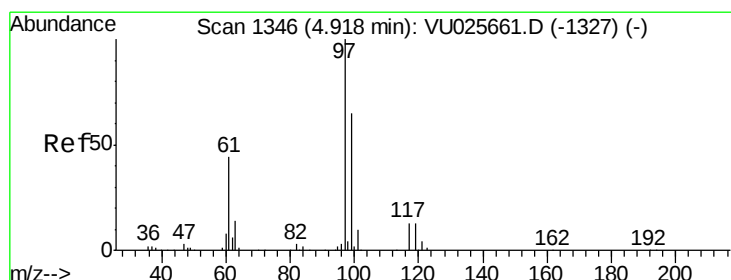
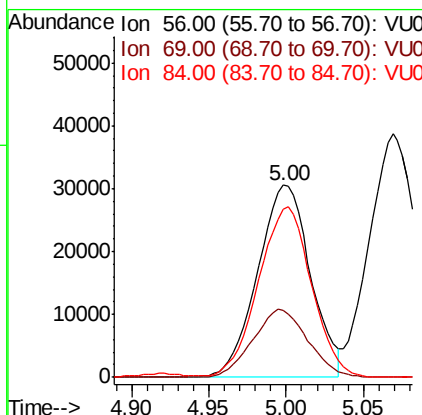
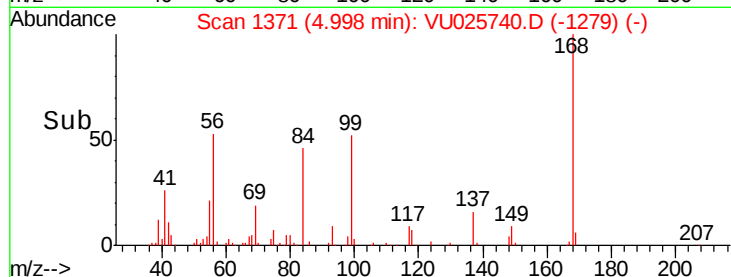
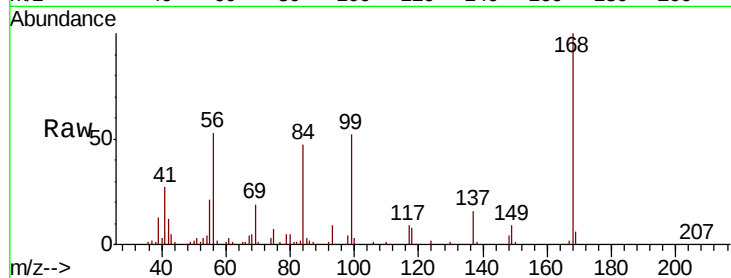
56 100

69 35.2 26.8 40.2

84 86.8 69.7 104.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.029 ug/l

RT: 4.92 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VU025740.D

Acq: 31 Jul 2018 15:47

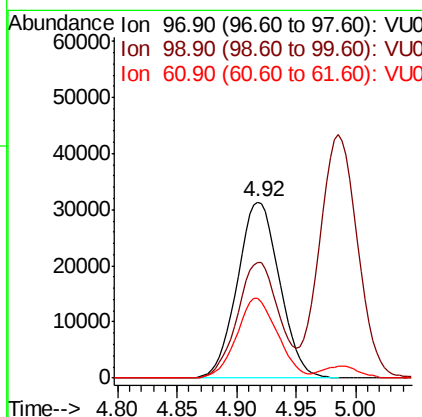
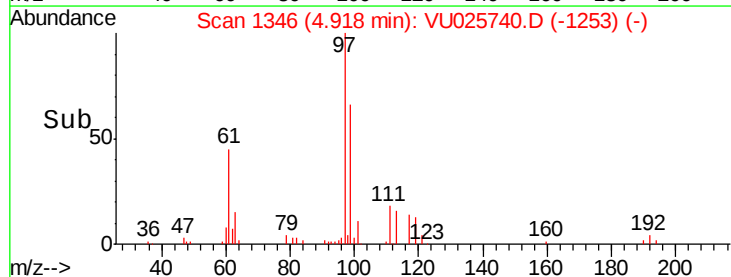
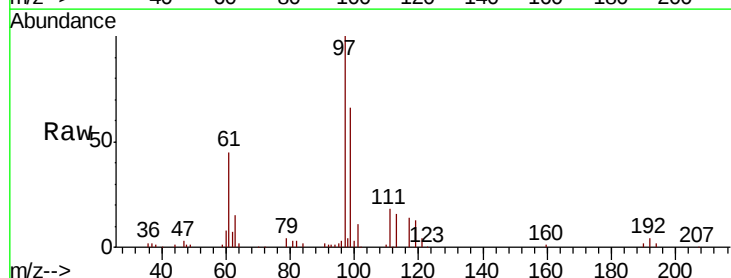
Tgt Ion: 97 Resp: 77119

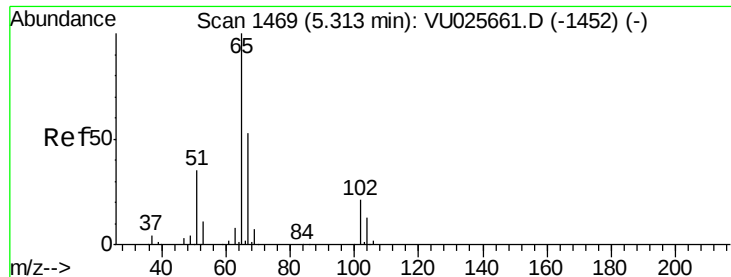
Ion Ratio Lower Upper

97 100

99 64.7 50.8 76.2

61 44.0 35.2 52.8





#33

1,2-Dichloroethane-d4

Concen: 49.645 ug/l

RT: 5.31 min Scan# 1468

Delta R.T. -0.00 min

Lab File: VU025740.D

Acq: 31 Jul 2018 15:47

Instrument :

MSVOA_U

ClientSampleId :

VU0801WBS01

Tot Ion: 65 Resp: 137304

Ion Ratio Lower Upper

65 100

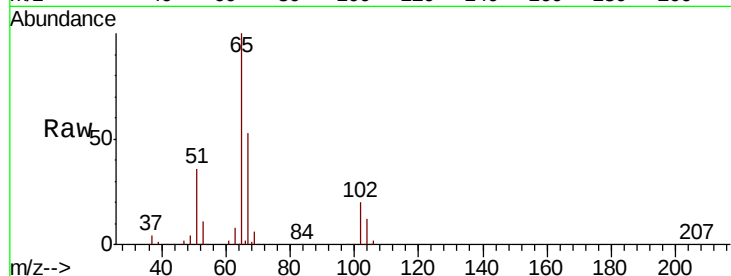
67 51.8 0.0 103.6

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VU025661.D (-1452) (-)

Ion 66.90 (66.60 to 67.60): VU025661.D (-1452) (-)

5.31

60000

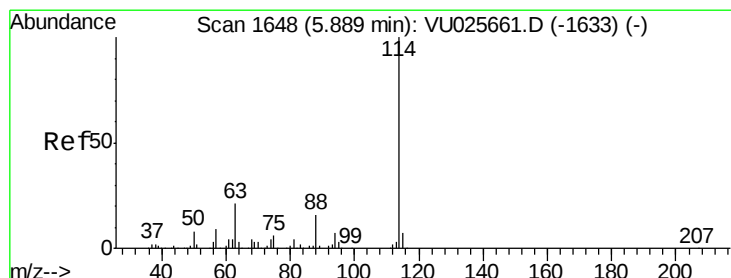
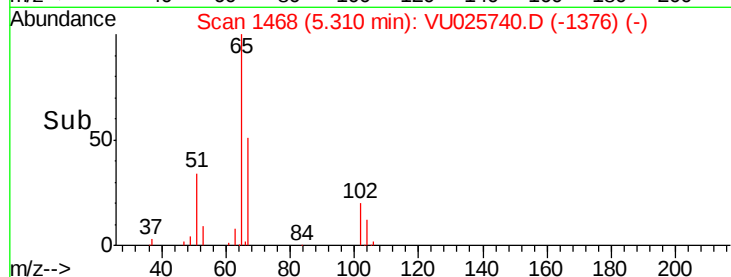
40000

20000

0

5.25 5.30 5.35 5.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VU025740.D

Acq: 31 Jul 2018 15:47

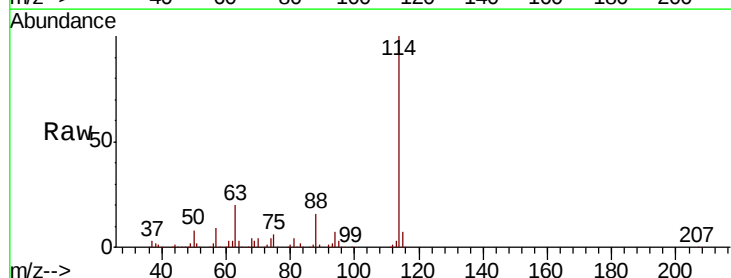
Tgt Ion: 114 Resp: 258025

Ion Ratio Lower Upper

114 100

63 20.4 0.0 41.6

88 16.2 0.0 32.4



Abundance Ion 113.90 (113.60 to 114.60): VU025661.D (-1633) (-)

Ion 63.00 (62.70 to 63.70): VU025661.D (-1633) (-)

Ion 87.90 (87.60 to 88.60): VU025661.D (-1633) (-)

5.89

150000

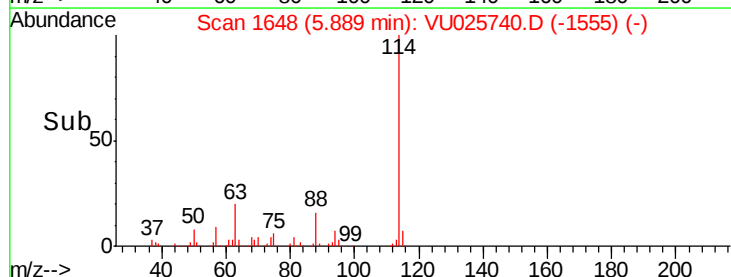
100000

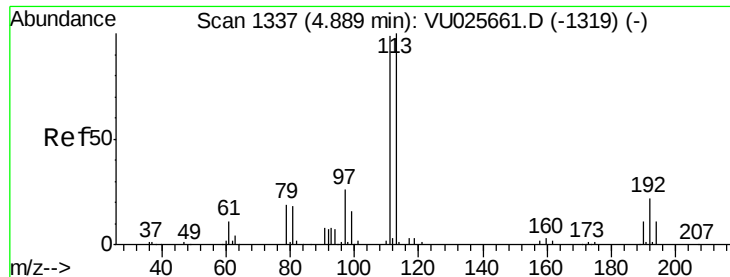
50000

0

5.80 5.85 5.90 5.95 6.00

Time-->





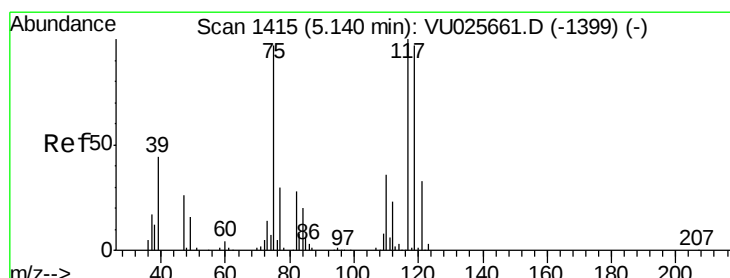
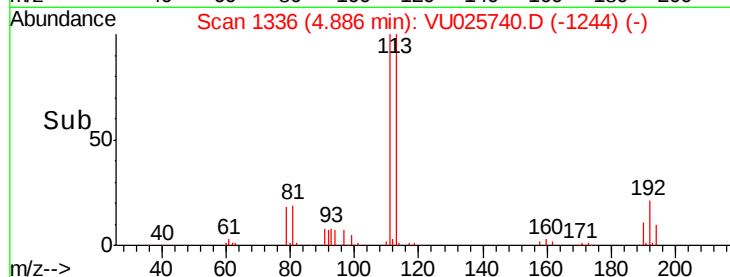
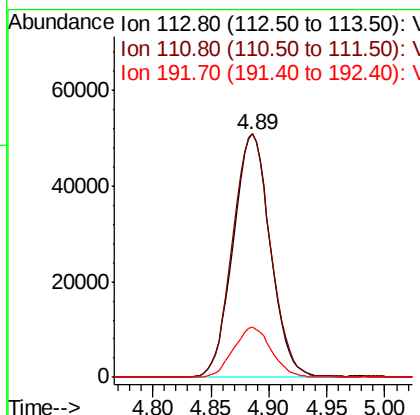
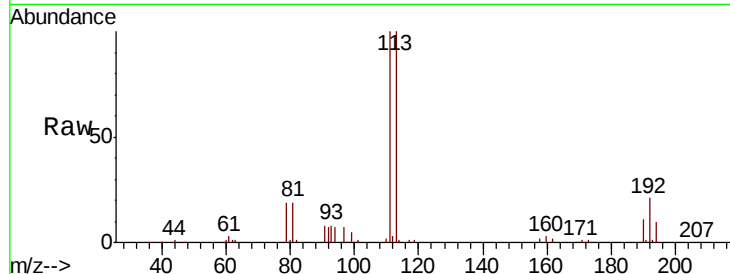
#35
 Dibromofluoromethane
 Concen: 50.672 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU025740.D
 Acq: 31 Jul 2018 15:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	113716		
111	101.3		81.7	122.5
192	21.0		17.1	25.7

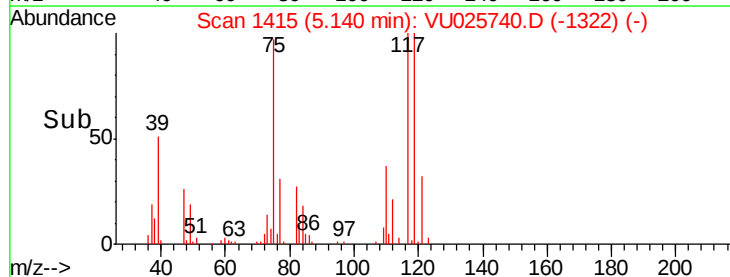
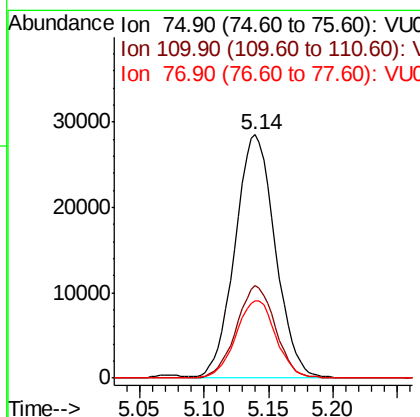
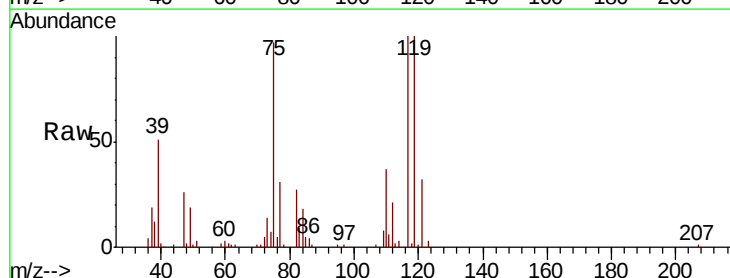
Manual Integrations
 APPROVED

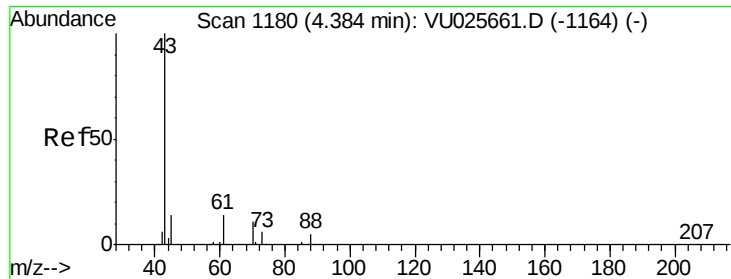
MMDadoda
 8/2/2018 9:40:51 AM



#36
 1,1-Dichloropropene
 Concen: 20.564 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU025740.D
 Acq: 31 Jul 2018 15:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	62010		
110	36.7		17.6	52.9
77	31.7		24.4	36.6





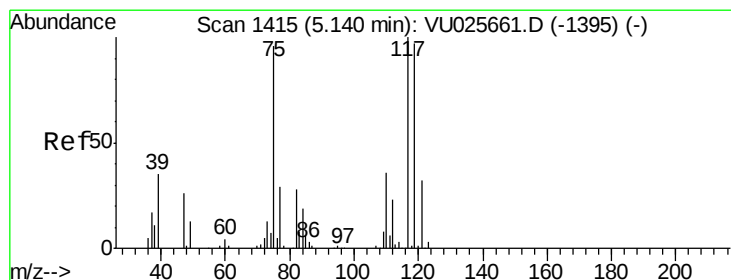
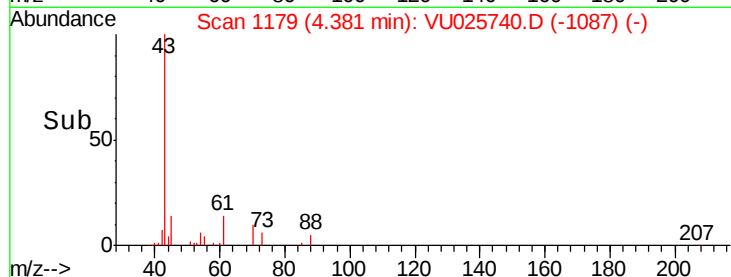
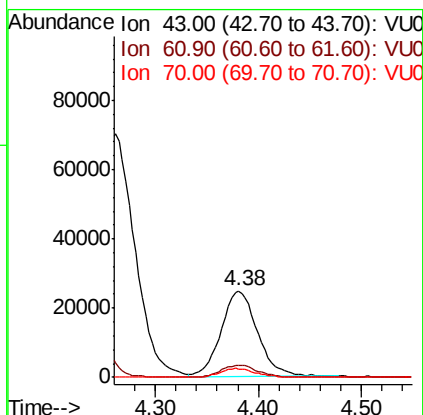
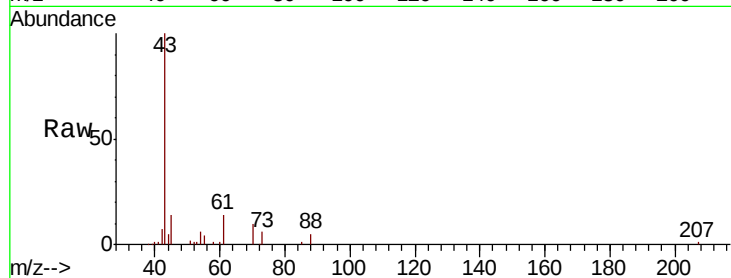
#37
Ethyl Acetate
Concen: 19.547 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU025740.D
Acq: 31 Jul 2018 15:47

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	10.7	16.1
70	10.1	8.4	12.6

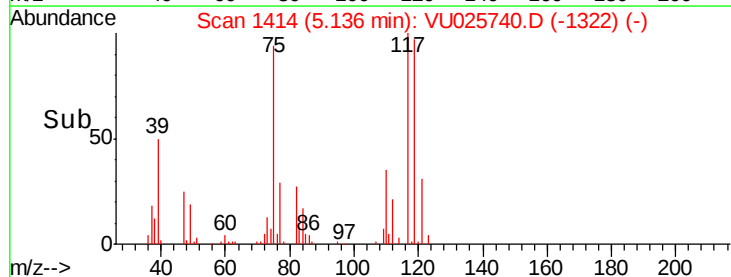
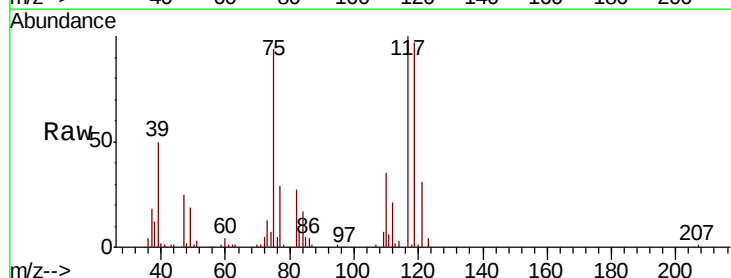
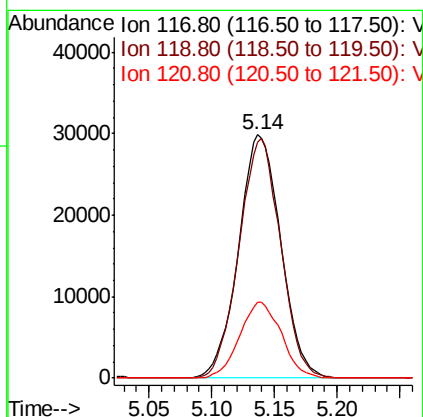
Manual Integrations
APPROVED

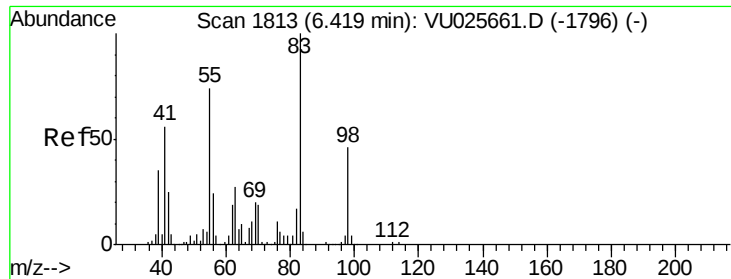
MMDadoda
8/2/2018 9:40:51 AM



#38
Carbon Tetrachloride
Concen: 20.456 ug/l
RT: 5.14 min Scan# 1414
Delta R.T. -0.00 min
Lab File: VU025740.D
Acq: 31 Jul 2018 15:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	75.7	113.5
121	30.9	24.6	36.8





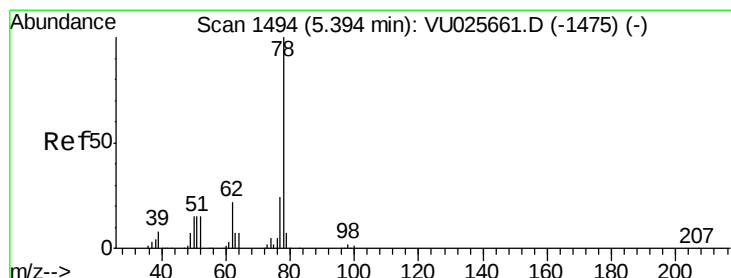
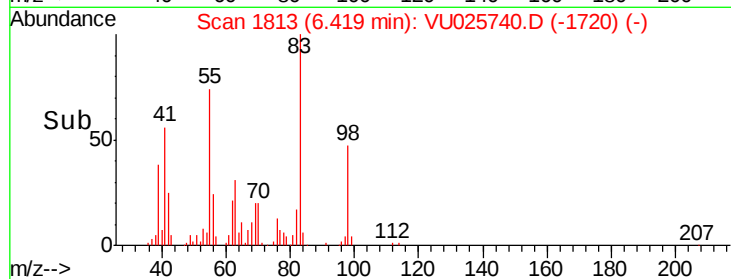
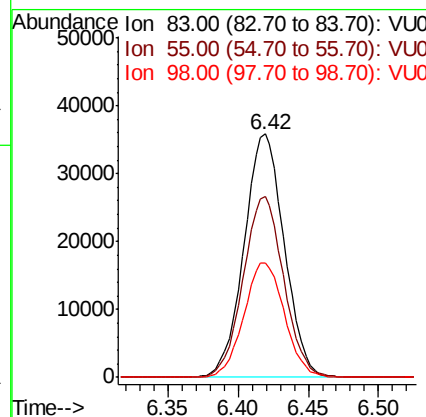
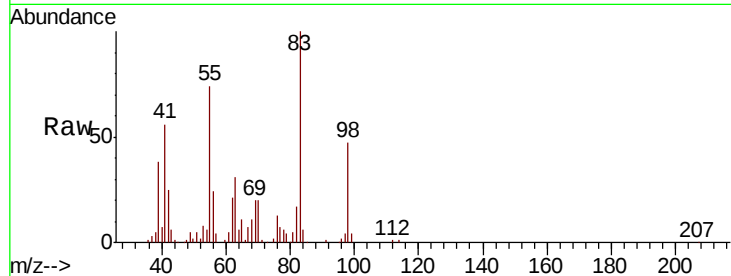
#39
Methvlcvclohexane
Concen: 20.713 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. -0.00 min
Lab File: VU025740.D
Acq: 31 Jul 2018 15:47

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.0	60.0	90.0
98	47.1	36.1	54.1

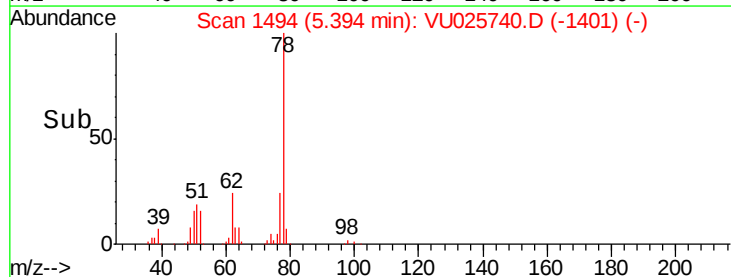
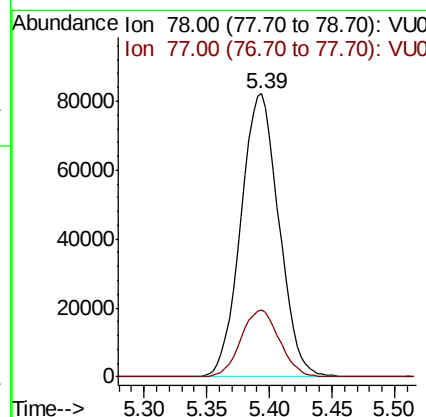
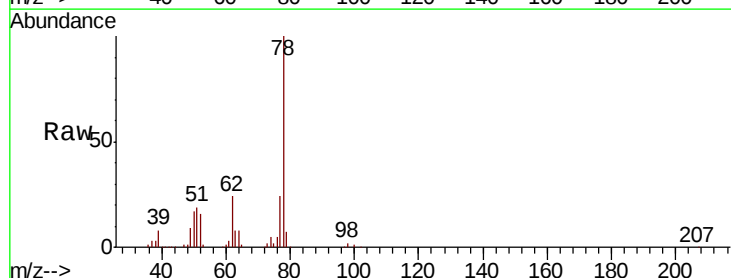
Manual Integrations
APPROVED

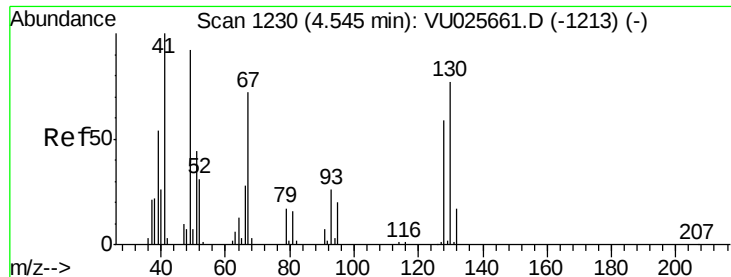
MMDadoda
8/2/2018 9:40:51 AM



#40
Benzene
Concen: 19.713 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU025740.D
Acq: 31 Jul 2018 15:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.8	29.6





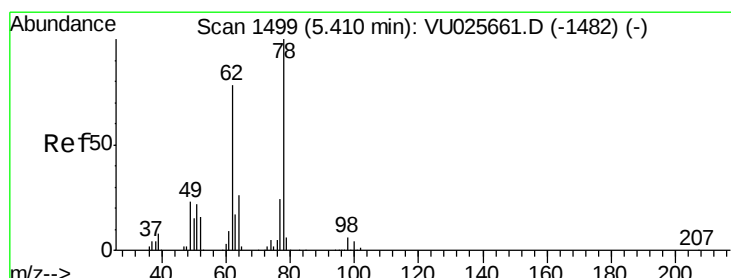
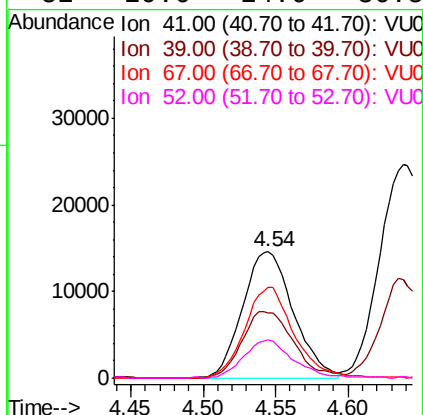
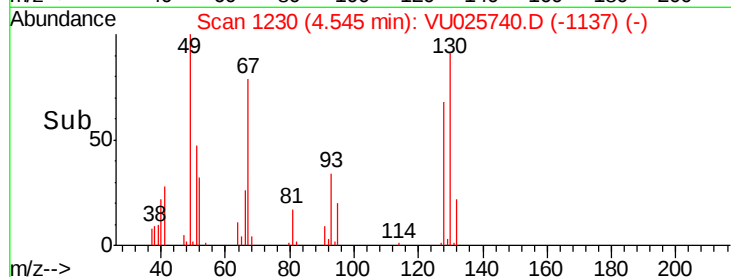
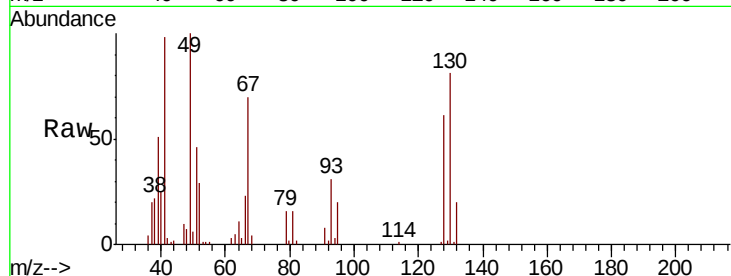
#41
Methacrylonitrile
Concen: 20.496 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. -0.00 min
Lab File: VU025740.D
Acq: 31 Jul 2018 15:47

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		35594		
39	53.6	44.4	66.6		
67	69.7	56.0	84.0		
52	29.6	24.6	36.8		

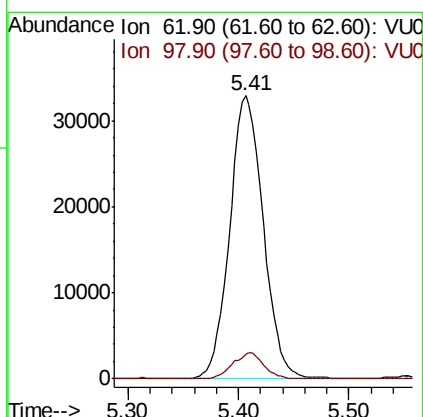
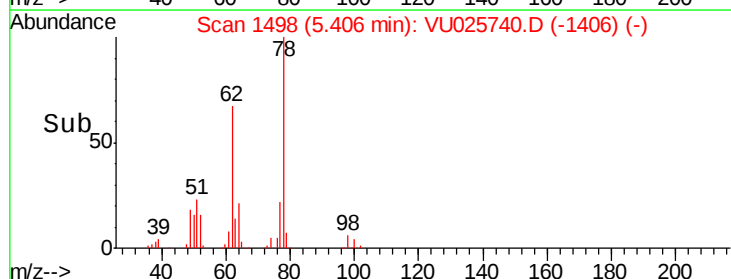
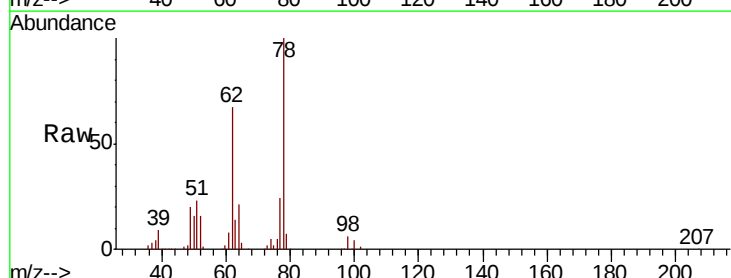
Manual Integrations
APPROVED

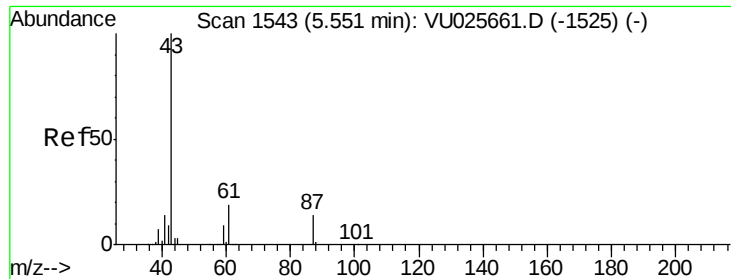
MMDadoda
8/2/2018 9:40:51 AM



#42
1,2-Dichloroethane
Concen: 20.456 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU025740.D
Acq: 31 Jul 2018 15:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		69428		
98	8.4	0.0	16.4		





#43

Isopropyl Acetate

Concen: 19.947 ug/l

RT: 5.55 min Scan# 1542

Delta R.T. -0.00 min

Lab File: VU025740.D

Acq: 31 Jul 2018 15:47

Instrument :

MSVOA_U

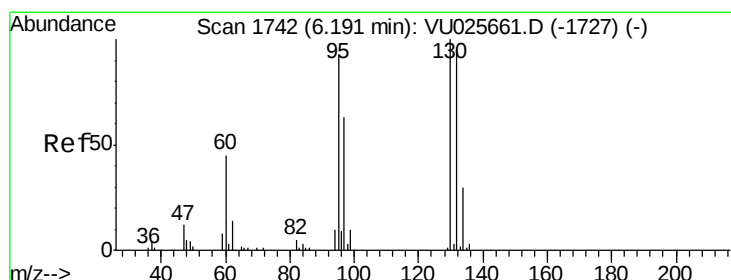
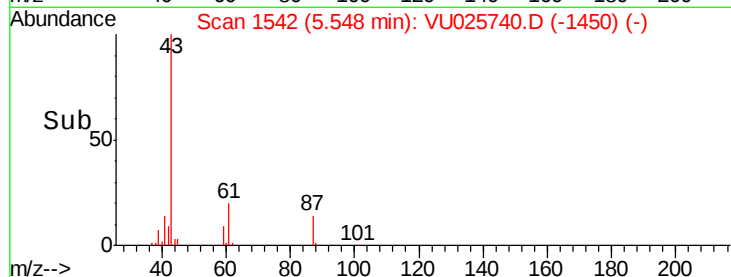
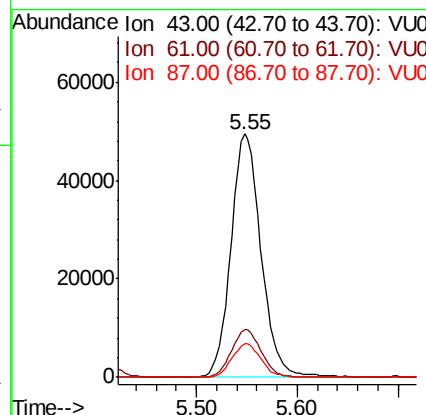
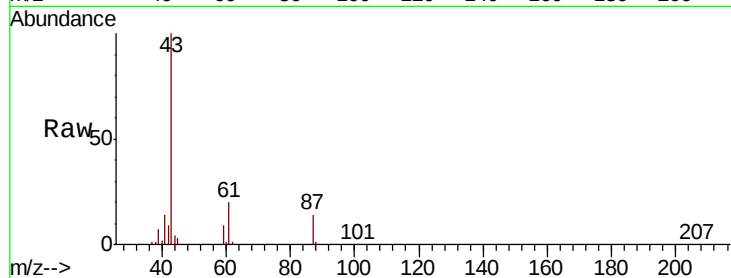
ClientSampleId :

VU0801WBS01

Tot Ion:	43	Resp:	103061
Ion	Ratio	Lower	Upper
43	100		
61	19.4	15.5	23.3
87	13.4	10.6	16.0

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#44

Trichloroethene

Concen: 20.344 ug/l

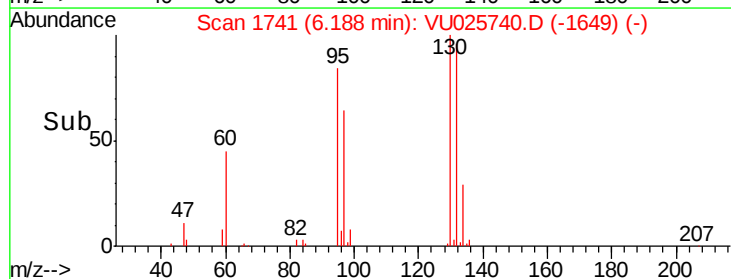
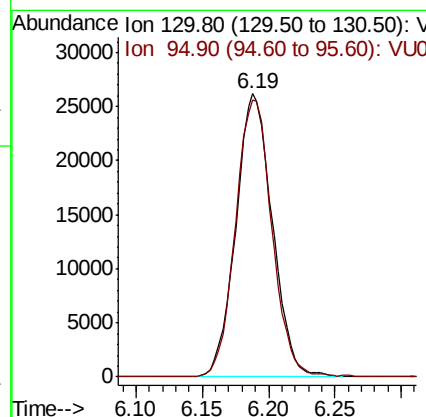
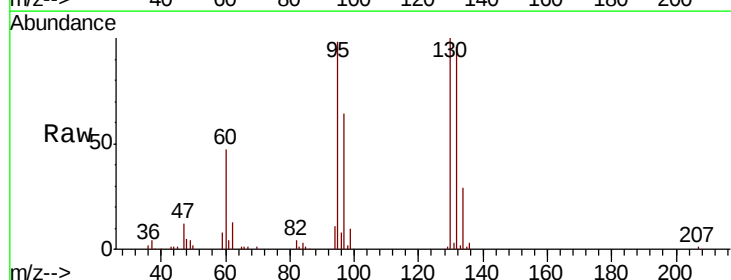
RT: 6.19 min Scan# 1741

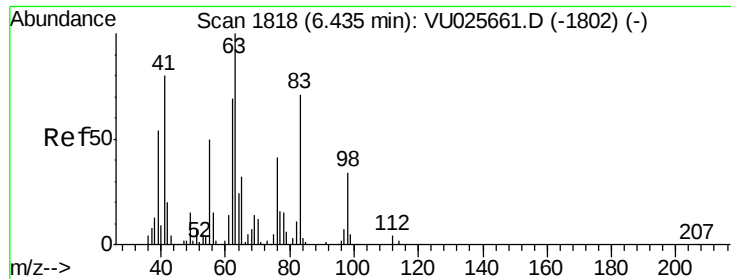
Delta R.T. -0.00 min

Lab File: VU025740.D

Acq: 31 Jul 2018 15:47

Tgt Ion:	130	Resp:	49939
Ion	Ratio	Lower	Upper
130	100		
95	98.0	0.0	192.2





#45

1,2-Dichloropropane

Concen: 19.796 ug/l

RT: 6.44 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VU025740.D

Acq: 31 Jul 2018 15:47

Instrument :

MSVOA_U

ClientSampleId :

VU0801WBS01

Tot Ion: 63 Resp: 45507

Ion Ratio Lower Upper

63 100

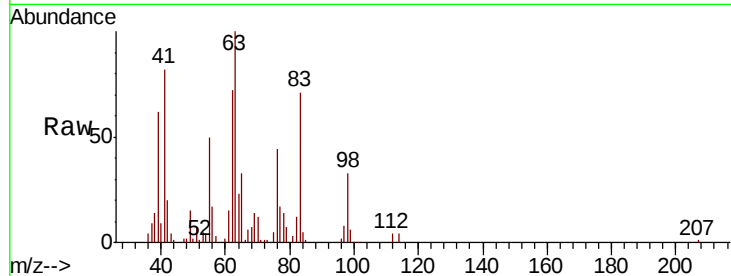
65 32.7 26.1 39.1

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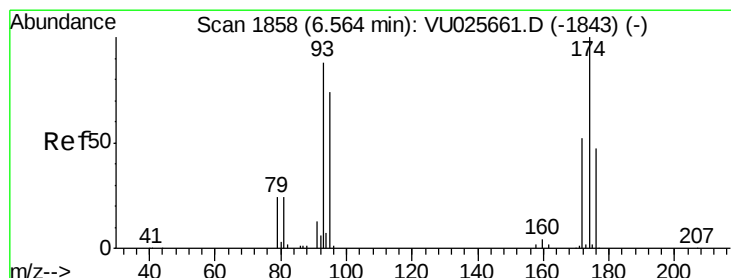
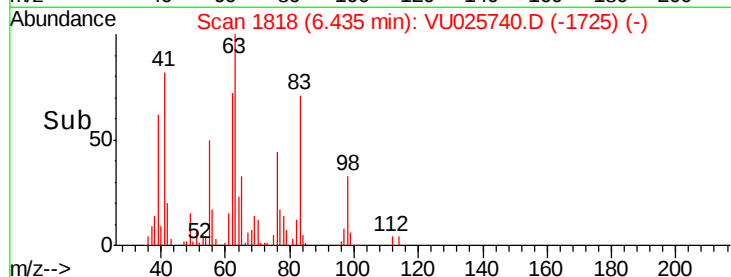
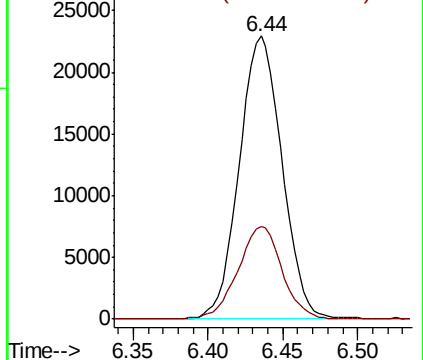
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Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 20.254 ug/l

RT: 6.56 min Scan# 1857

Delta R.T. -0.00 min

Lab File: VU025740.D

Acq: 31 Jul 2018 15:47

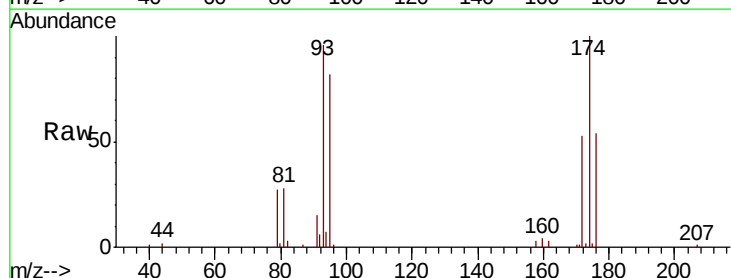
Tgt Ion: 93 Resp: 33736

Ion Ratio Lower Upper

93 100

95 83.9 66.6 100.0

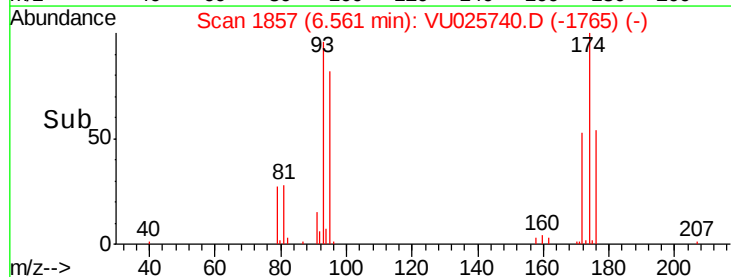
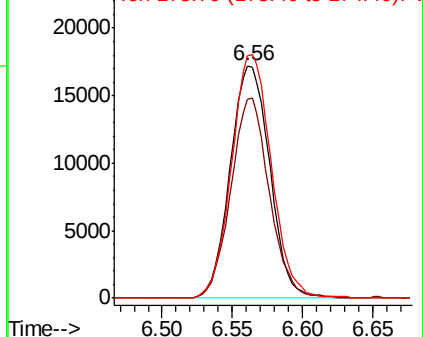
174 105.5 85.8 128.8

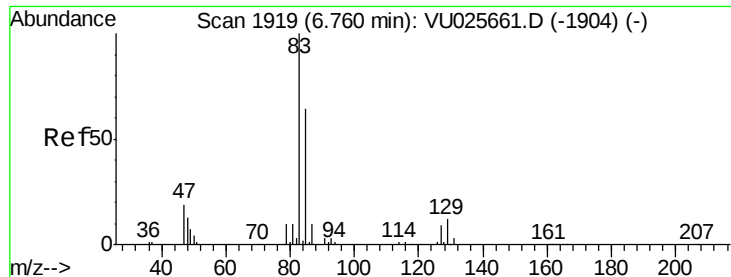


Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V





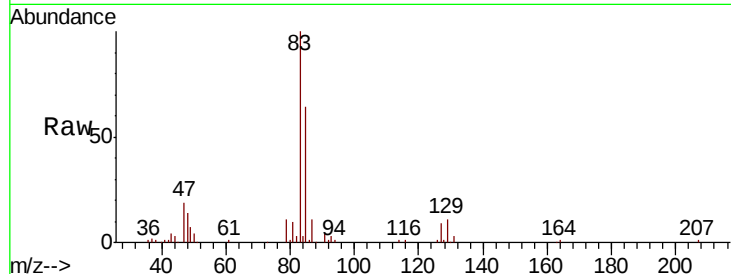
#47
Bromodichloromethane
Concen: 20.435 ug/l
RT: 6.76 min Scan# 1919
Delta R.T. -0.00 min
Lab File: VU025740.D
Acq: 31 Jul 2018 15:47

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBS01

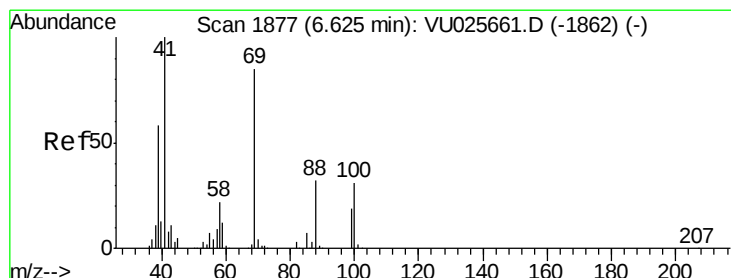
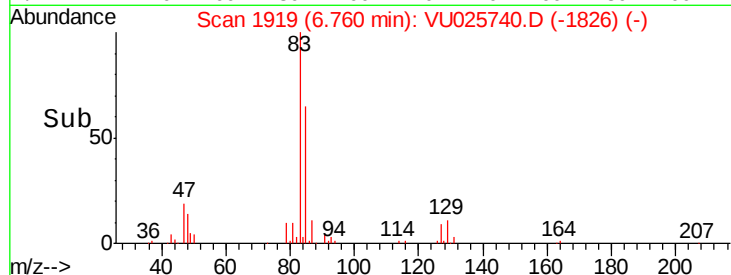
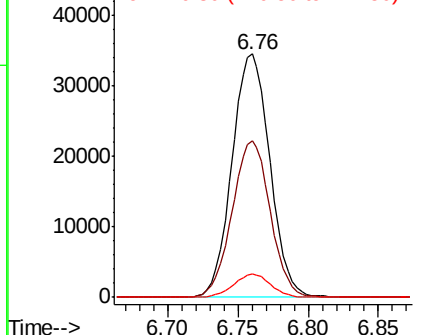
Tot Ion	Ratio	Lower	Upper
83	100		
85	64.1	50.2	75.4
127	9.4	7.2	10.8

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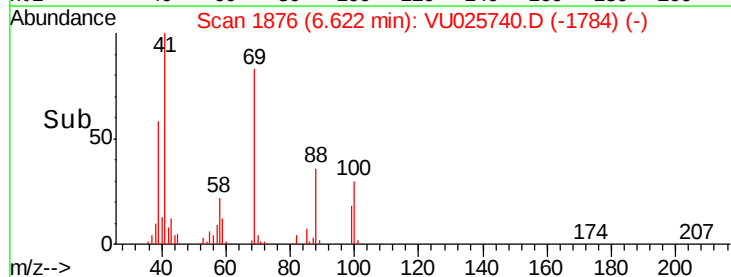
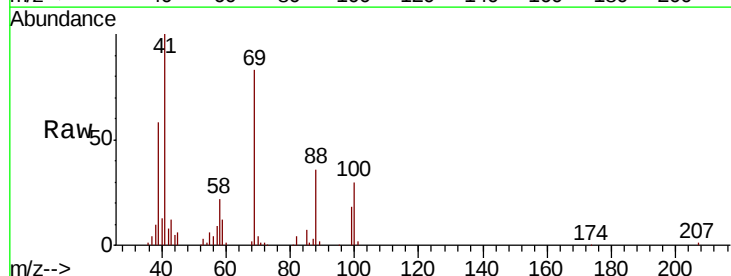
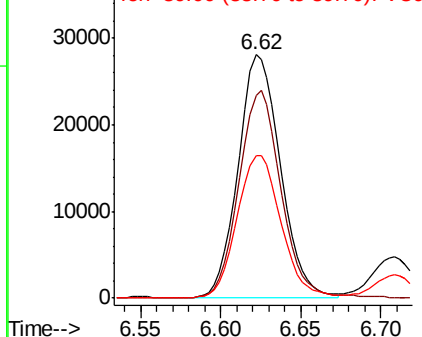
Abundance Ion 82.90 (82.60 to 83.60): VU025740.D (-1826) (-)
Ion 84.90 (84.60 to 85.60): VU025740.D (-1826) (-)
Ion 126.80 (126.50 to 127.50): VU025740.D (-1826) (-)

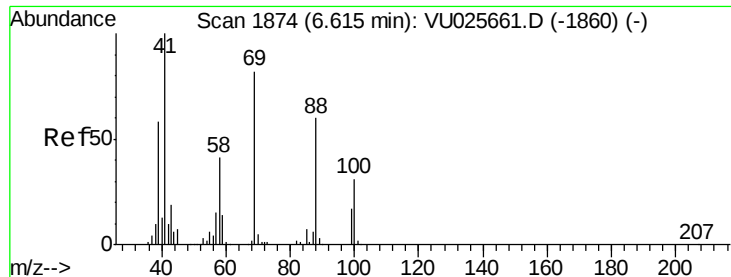


#48
Methyl methacrylate
Concen: 20.067 ug/l
RT: 6.62 min Scan# 1876
Delta R.T. -0.00 min
Lab File: VU025740.D
Acq: 31 Jul 2018 15:47

Tgt Ion	Ratio	Lower	Upper
41	100		
69	85.0	65.0	97.4
39	60.9	46.4	69.6

Abundance Ion 41.00 (40.70 to 41.70): VU025740.D (-1784) (-)
Ion 69.00 (68.70 to 69.70): VU025740.D (-1784) (-)
Ion 39.00 (38.70 to 39.70): VU025740.D (-1784) (-)





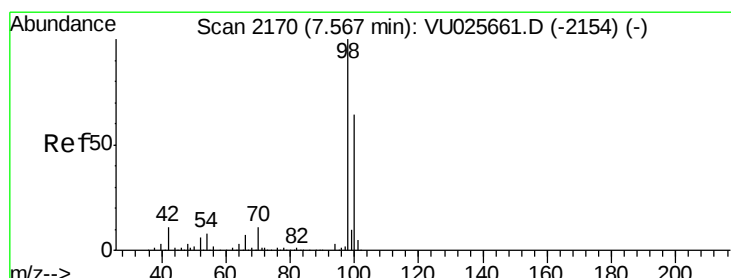
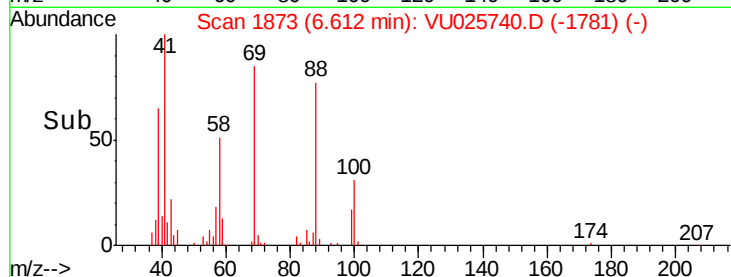
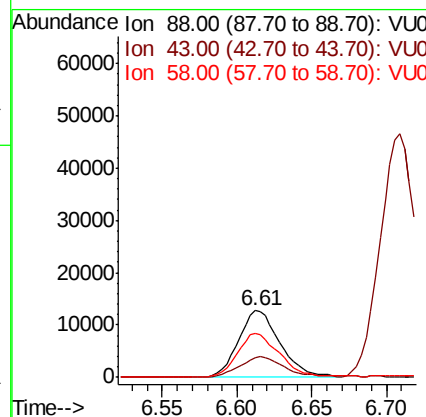
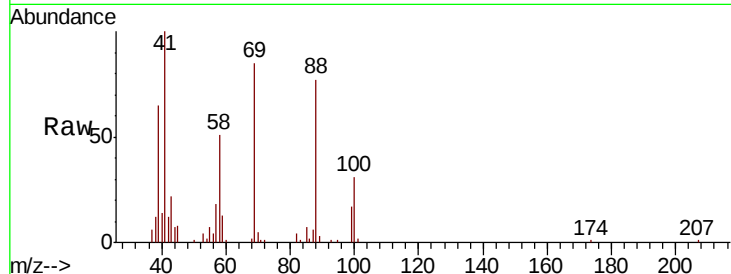
#49
1,4-Dioxane
Concen: 401.892 ug/l
RT: 6.61 min Scan# 1873
Delta R.T. -0.00 min
Lab File: VU025740.D
Acq: 31 Jul 2018 15:47

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.4	27.3	40.9
58	65.5	57.6	86.4

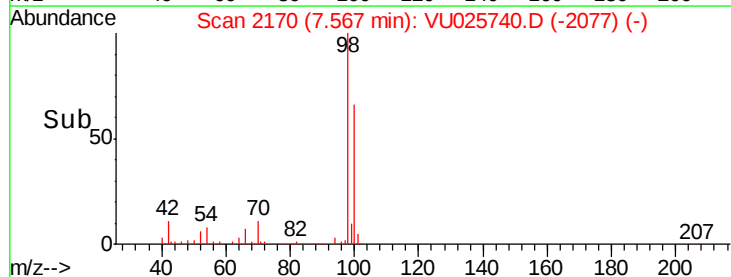
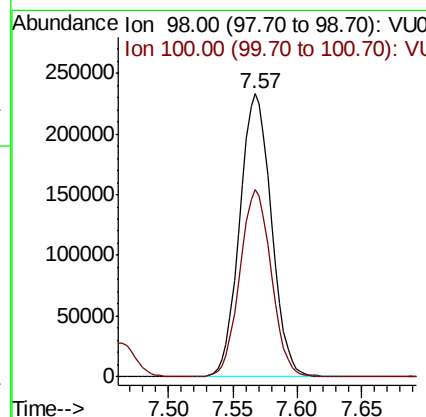
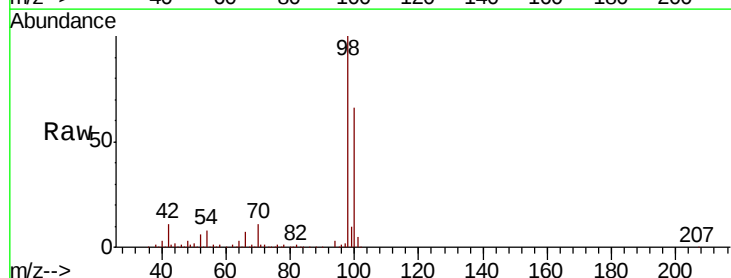
Manual Integrations
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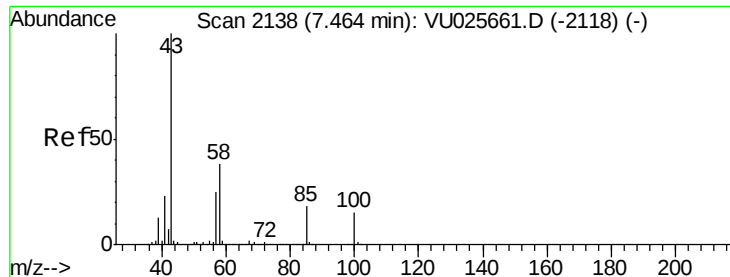
MMDadoda
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#50
Toluene-d8
Concen: 50.896 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU025740.D
Acq: 31 Jul 2018 15:47

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 97.669 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. -0.00 min

Lab File: VU025740.D

Acq: 31 Jul 2018 15:47

Instrument :

MSVOA_U

ClientSampleId :

VU0801WBS01

Tot Ion: 43 Resp: 315935

Ion Ratio Lower Upper

43 100

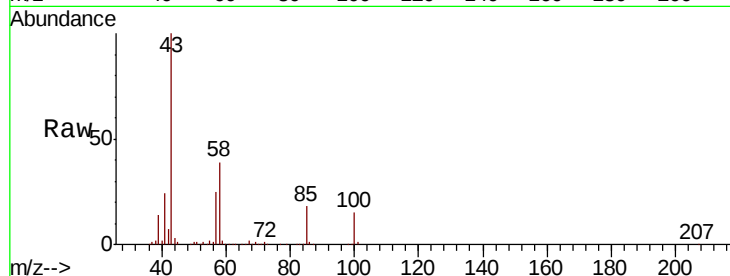
58 38.8 31.0 46.4

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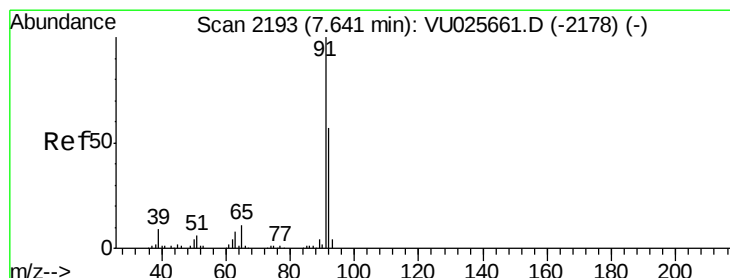
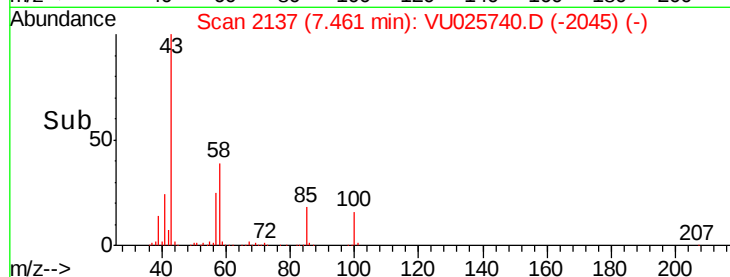
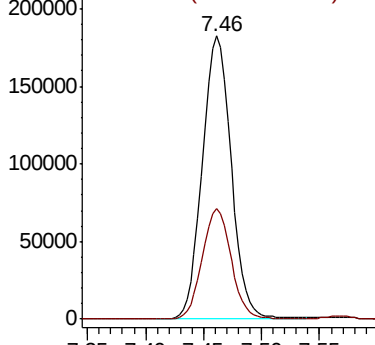
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 20.652 ug/l

RT: 7.64 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VU025740.D

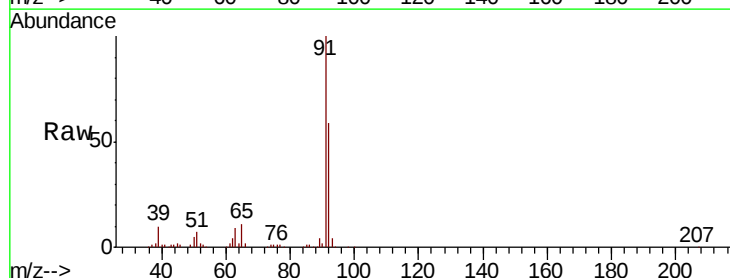
Acq: 31 Jul 2018 15:47

Tgt Ion: 92 Resp: 113091

Ion Ratio Lower Upper

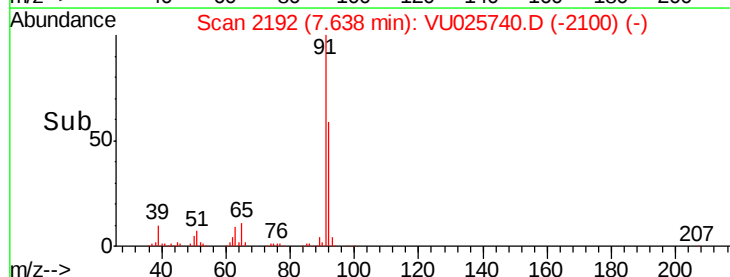
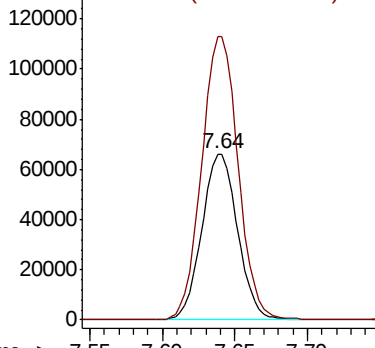
92 100

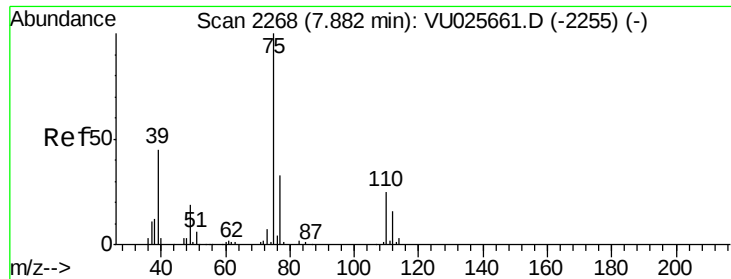
91 174.2 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





#53

t-1,3-Dichloropropene

Concen: 20.692 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU025740.D

Acq: 31 Jul 2018 15:47

Instrument :

MSVOA_U

ClientSampleId :

VU0801WBS01

Tot Ion: 75 Resp: 73818

Ion Ratio Lower Upper

75 100

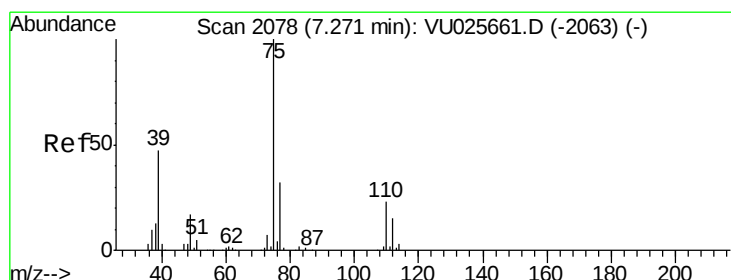
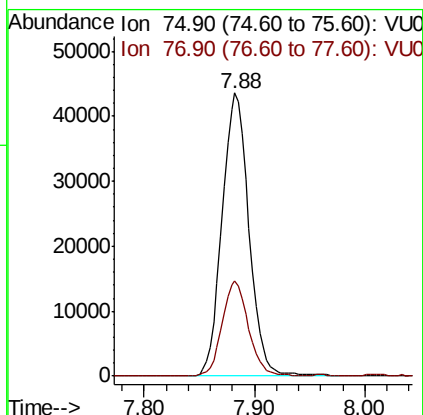
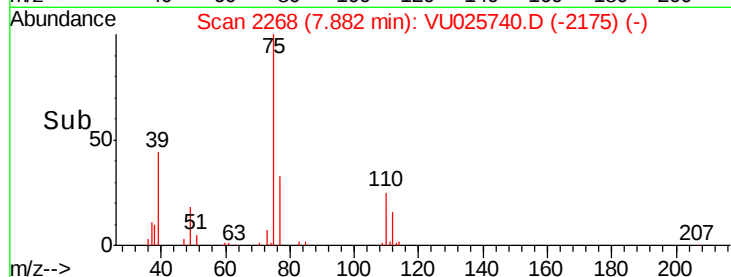
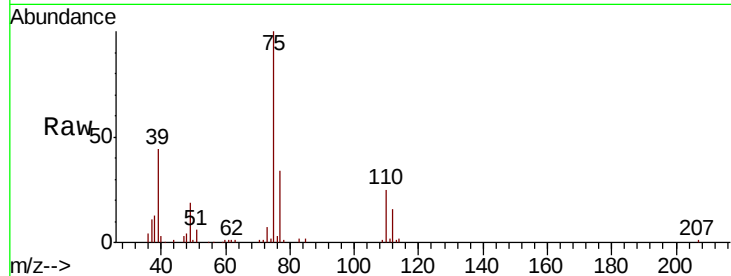
77 33.7 24.5 36.7

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#54

cis-1,3-Dichloropropene

Concen: 20.521 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. -0.00 min

Lab File: VU025740.D

Acq: 31 Jul 2018 15:47

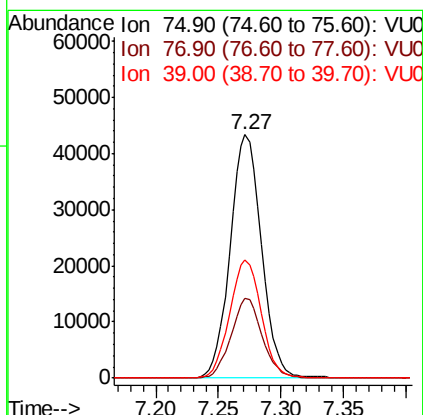
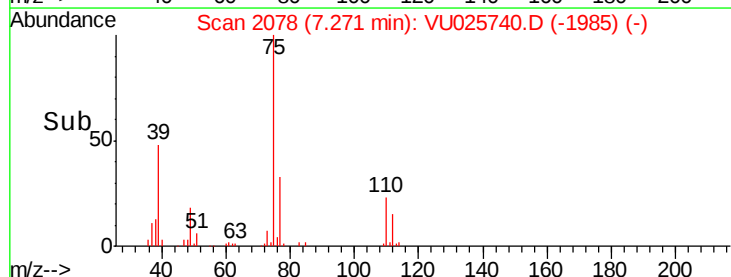
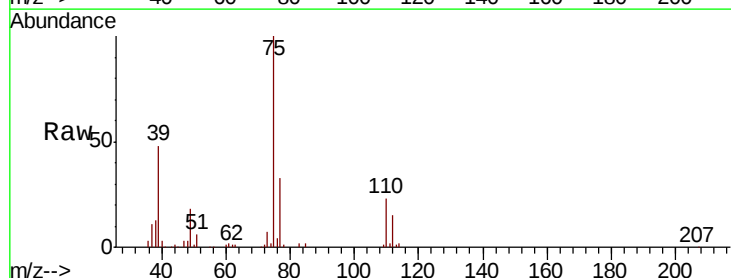
Tgt Ion: 75 Resp: 75200

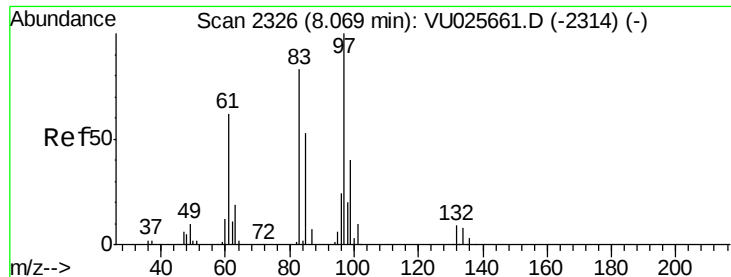
Ion Ratio Lower Upper

75 100

77 32.7 25.6 38.4

39 48.4 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: VU025740.D

Acq: 31 Jul 2018 15:47

Instrument :

MSVOA_U

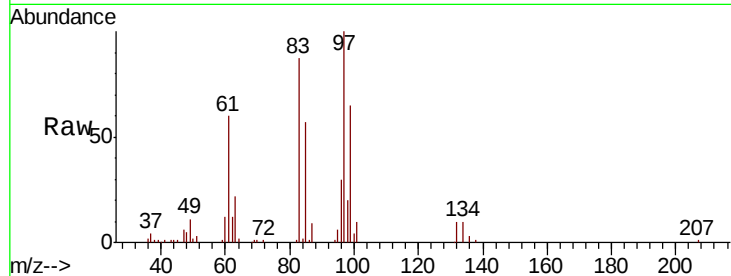
ClientSampleId :

VU0801WBS01

Tot Ion:	97	Resp:	46220
Ion	Ratio	Lower	Upper
97	100		
83	87.2	68.9	103.3
85	57.4	44.4	66.6
99	65.0	51.0	76.4

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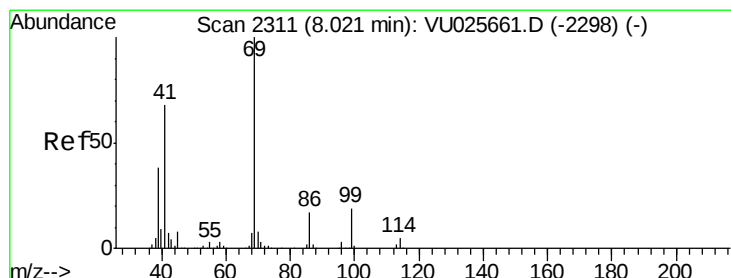
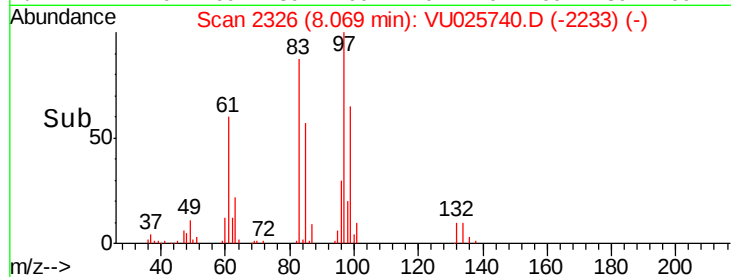
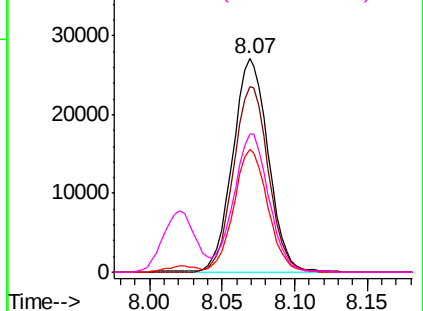
Abundance

Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 98.90 (98.60 to 99.60): VU0



#56

Ethyl methacrylate

Concen: 19.920 ug/l

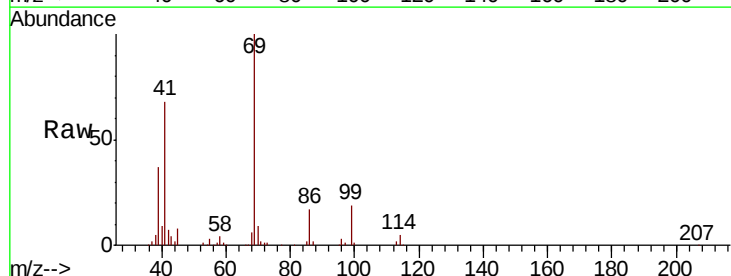
RT: 8.02 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VU025740.D

Acq: 31 Jul 2018 15:47

Tgt Ion:	69	Resp:	64768
Ion	Ratio	Lower	Upper
69	100		
41	67.8	54.8	82.2
39	37.7	31.1	46.7

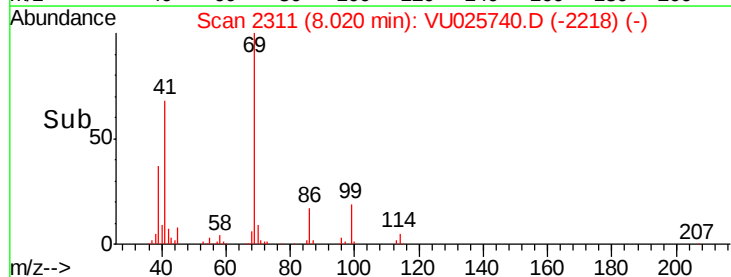
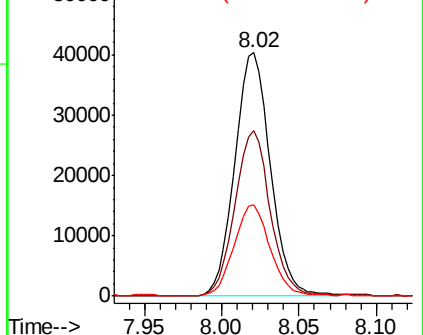


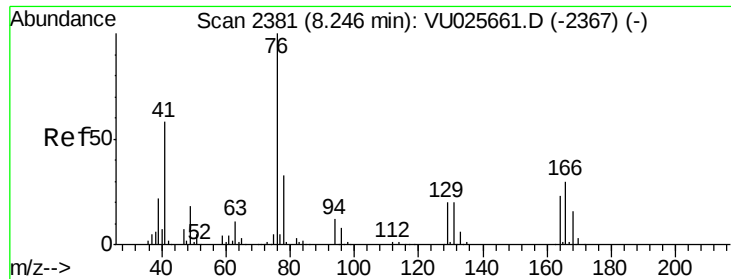
Abundance

Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0





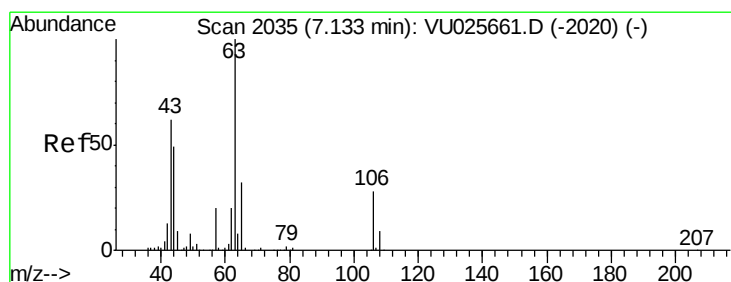
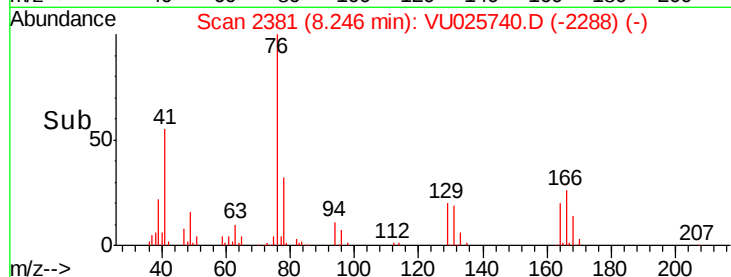
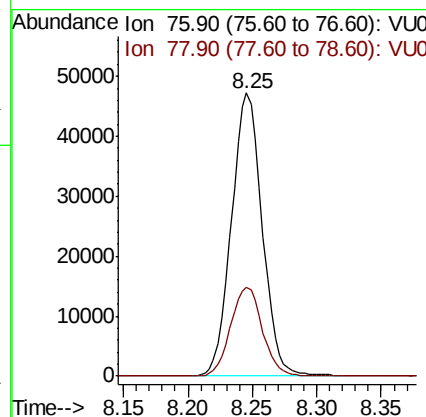
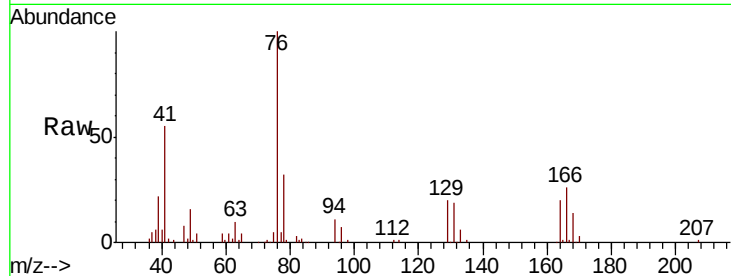
#57
 1,3-Dichloropropane
 Concen: 20.435 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. -0.00 min
 Lab File: VU025740.D
 Acq: 31 Jul 2018 15:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801WBS01

Tot Ion: 76 Resp: 78206
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.1 39.1

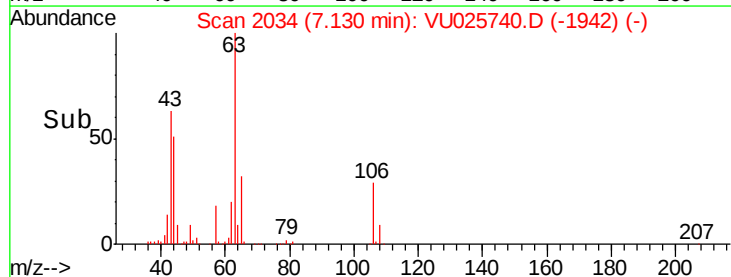
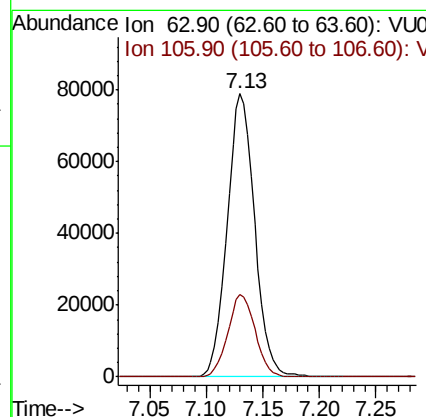
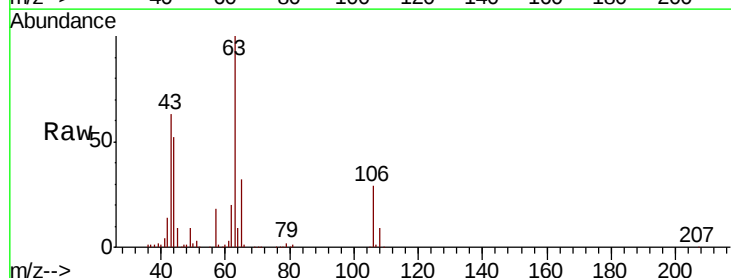
Manual Integrations
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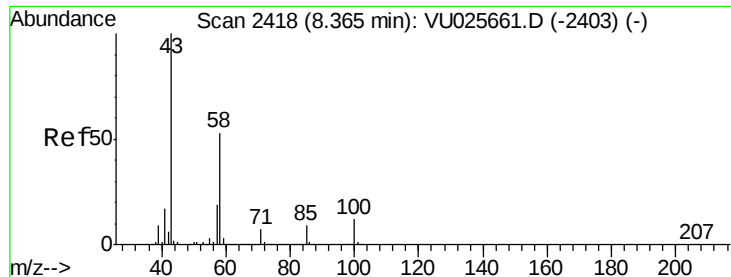
MMDadoda
 8/2/2018 9:40:51 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.235 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. -0.00 min
 Lab File: VU025740.D
 Acq: 31 Jul 2018 15:47

Tgt Ion: 63 Resp: 133584
 Ion Ratio Lower Upper
 63 100
 106 28.8 22.3 33.5





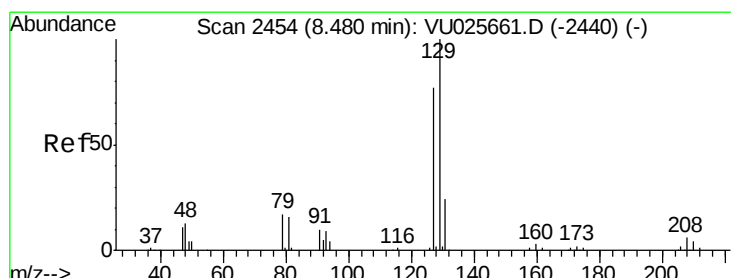
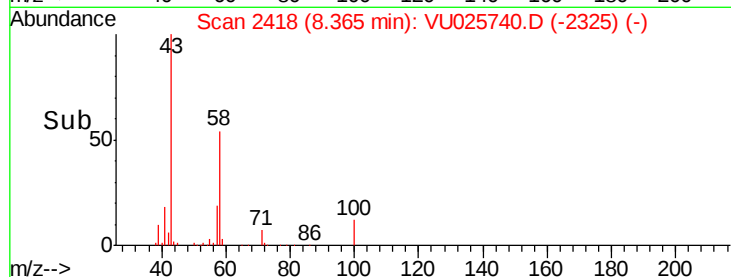
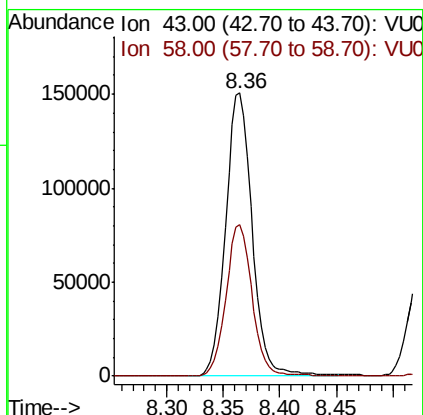
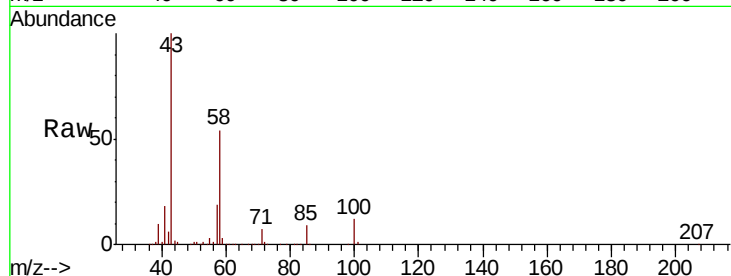
#59
2-Hexanone
Concen: 97.239 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. -0.00 min
Lab File: VU025740.D
Acq: 31 Jul 2018 15:47

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBS01

Tot Ion: 43 Resp: 246566
Ion Ratio Lower Upper
43 100
58 53.0 26.2 78.5

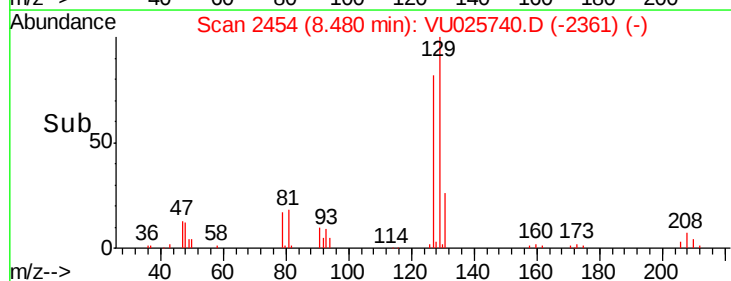
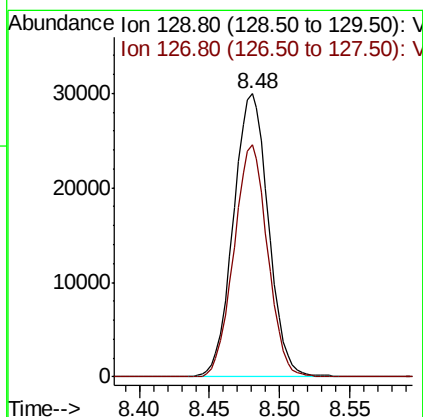
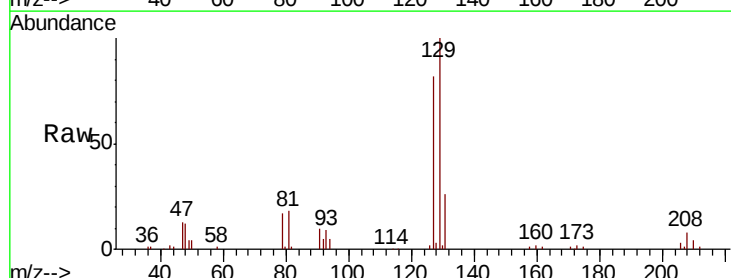
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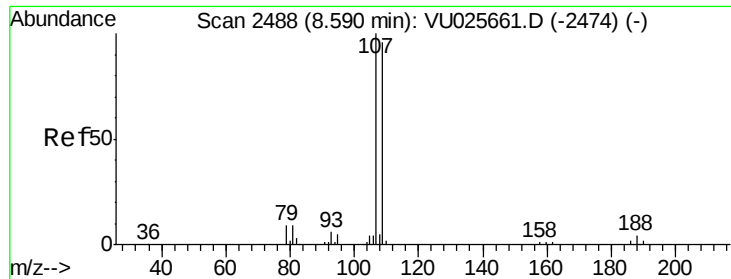
MMDadoda
8/2/2018 9:40:51 AM



#60
Dibromochloromethane
Concen: 19.414 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU025740.D
Acq: 31 Jul 2018 15:47

Tgt Ion: 129 Resp: 52099
Ion Ratio Lower Upper
129 100
127 78.8 38.6 115.8





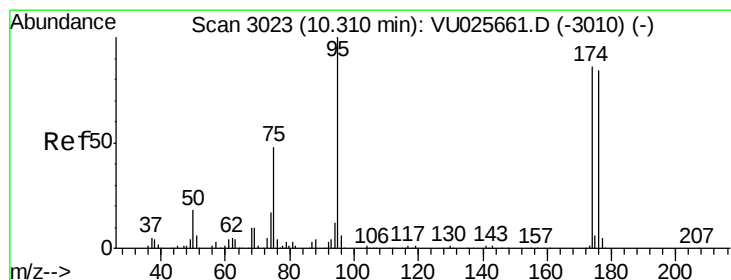
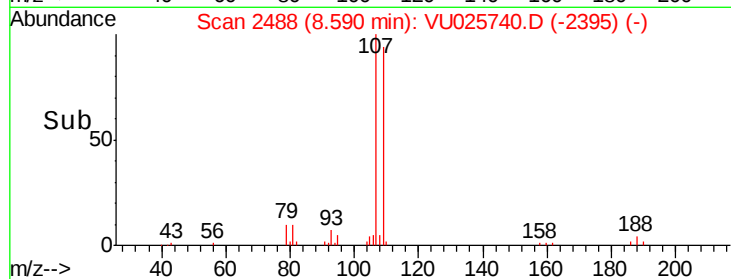
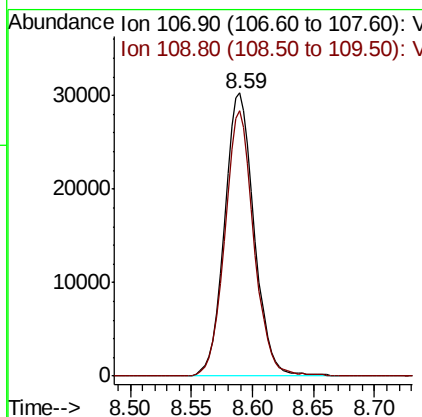
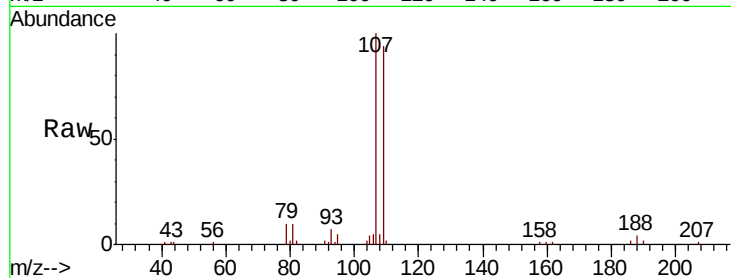
#61
 1,2-Dibromoethane
 Concen: 20.345 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. -0.00 min
 Lab File: VU025740.D
 Acq: 31 Jul 2018 15:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.3	75.8	113.8

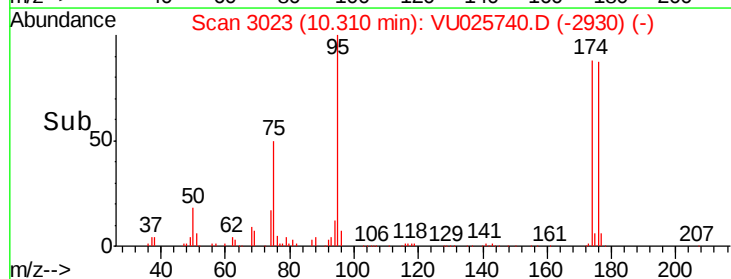
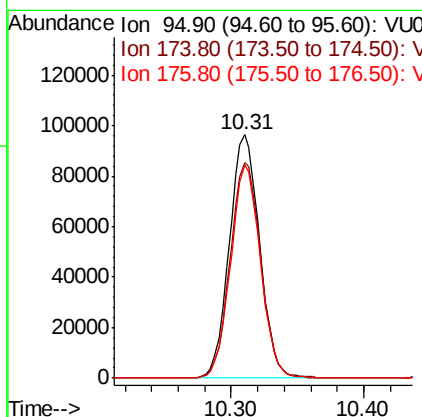
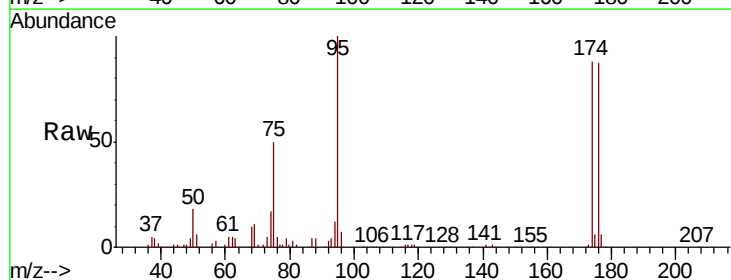
Manual Integrations
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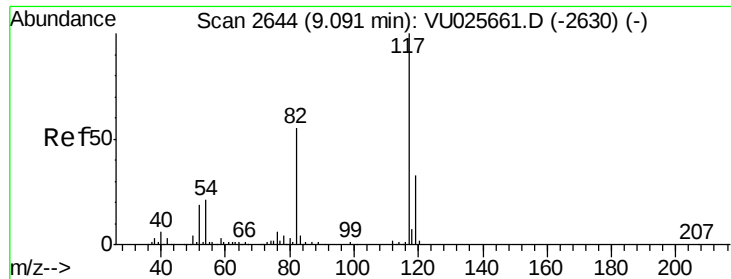
MMDadoda
 8/2/2018 9:40:51 AM



#62
 4-Bromofluorobenzene
 Concen: 50.053 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.00 min
 Lab File: VU025740.D
 Acq: 31 Jul 2018 15:47

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.6	0.0	172.2
176	86.3	0.0	162.6





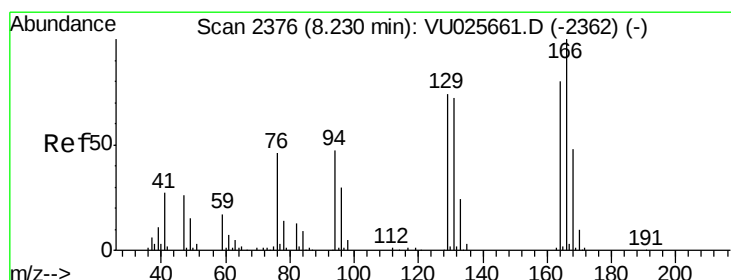
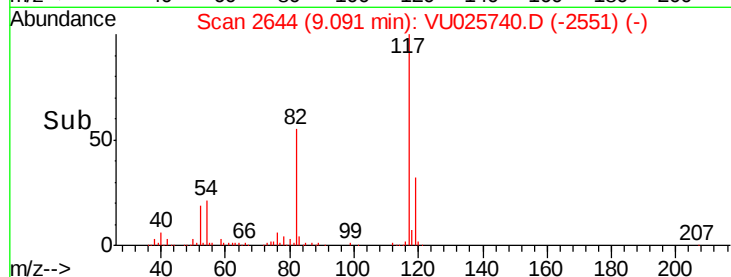
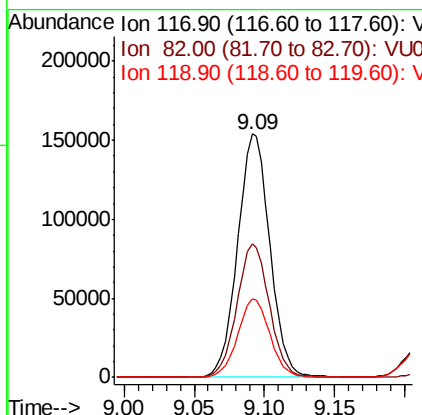
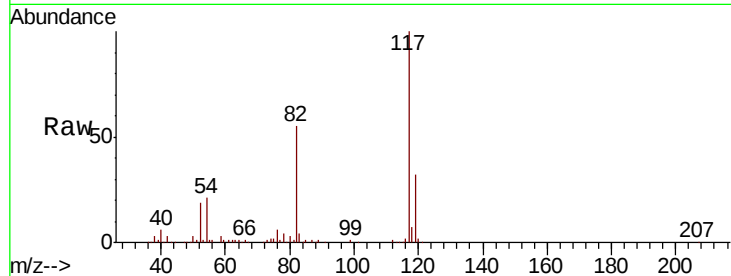
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU025740.D
Acq: 31 Jul 2018 15:47

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	246975		
82	54.9		46.0	69.0
119	32.4		26.0	39.0

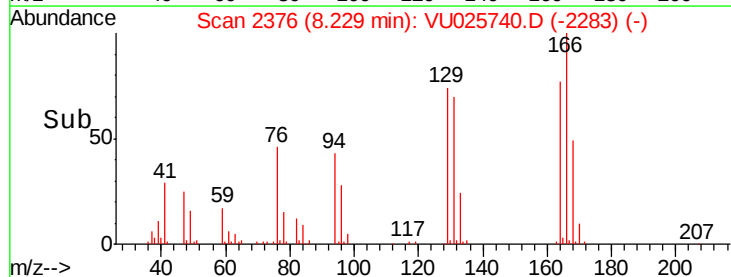
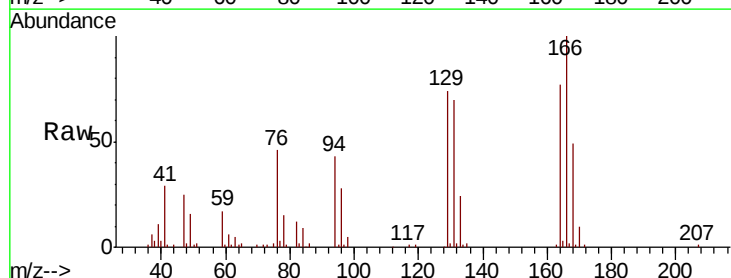
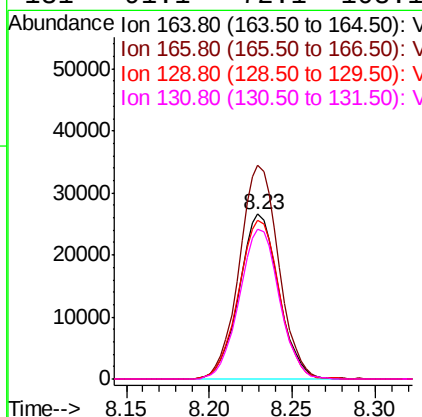
Manual Integrations
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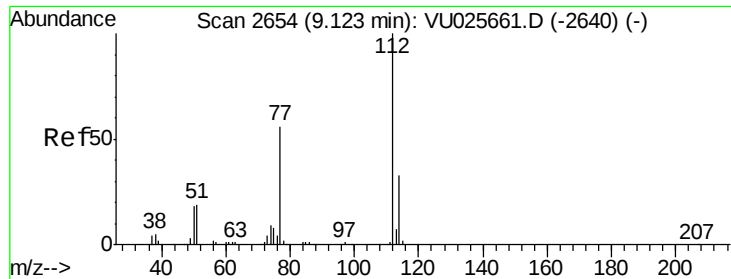
MMDadoda
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#64
Tetrachloroethene
Concen: 20.203 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. -0.00 min
Lab File: VU025740.D
Acq: 31 Jul 2018 15:47

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	43918		
166	129.7		101.1	151.7
129	96.6		73.0	109.6
131	91.1		72.1	108.1





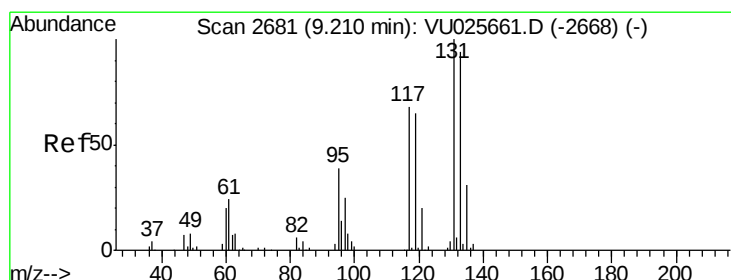
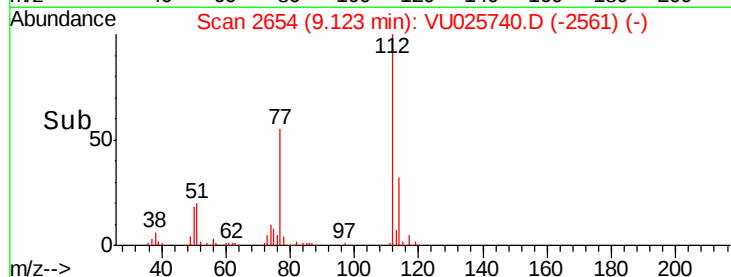
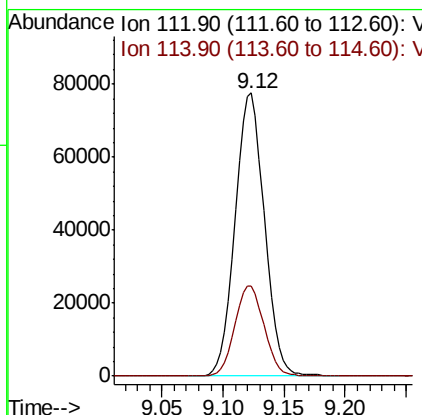
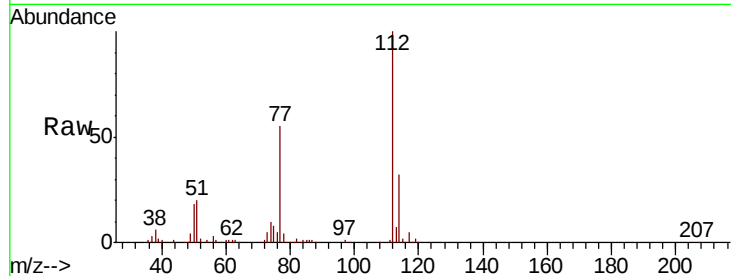
#65
Chlorobenzene
Concen: 20.315 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. -0.00 min
Lab File: VU025740.D
Acq: 31 Jul 2018 15:47

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.8	38.8

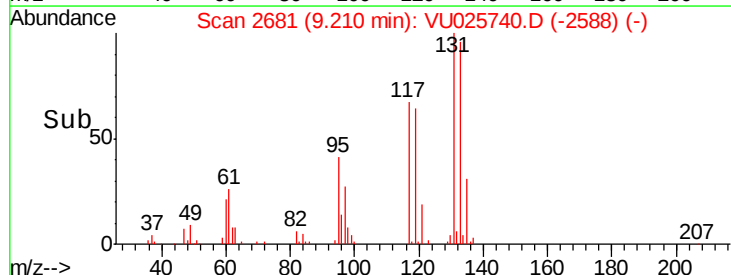
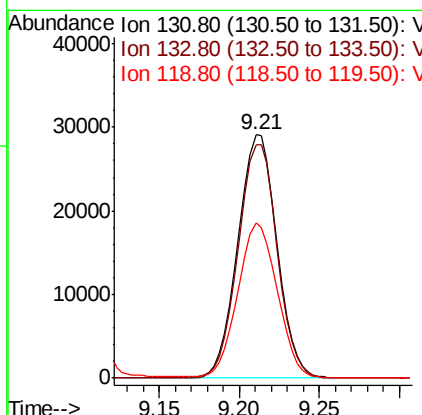
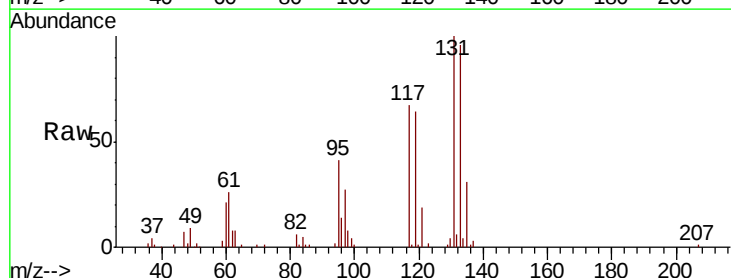
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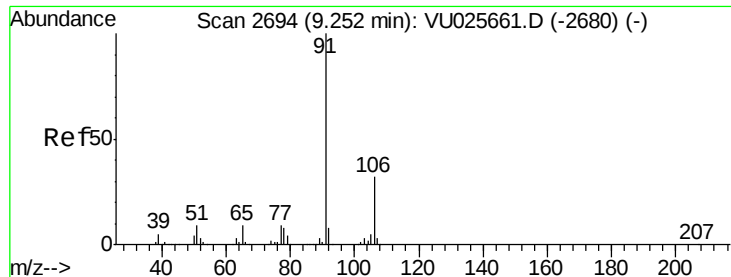
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.995 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. -0.00 min
Lab File: VU025740.D
Acq: 31 Jul 2018 15:47

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.8	47.8	143.3
119	64.6	31.6	95.0





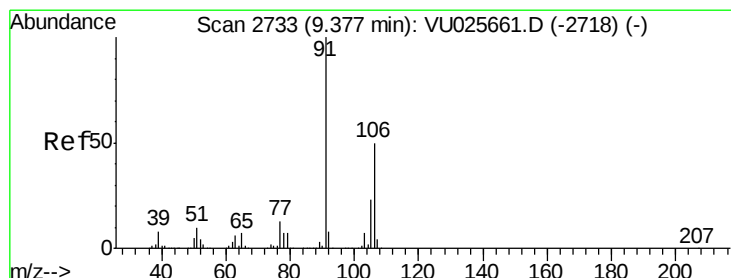
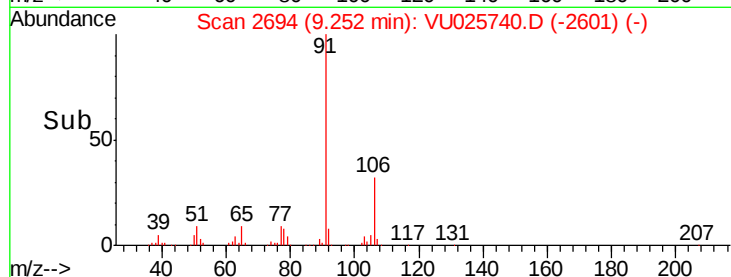
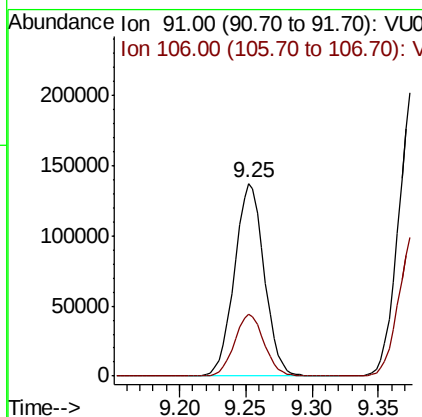
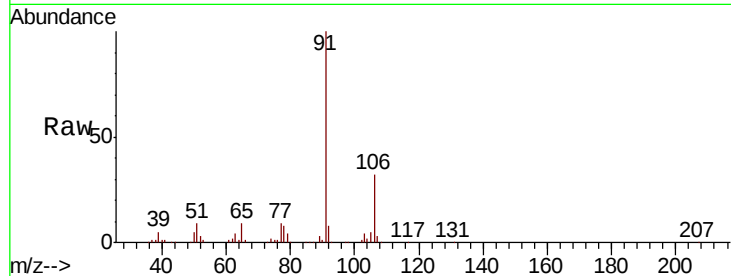
#67
Ethyl Benzene
Concen: 20.284 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. -0.00 min
Lab File: VU025740.D
Acq: 31 Jul 2018 15:47

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBS01

Tot Ion: 91 Resp: 213944
Ion Ratio Lower Upper
91 100
106 31.9 25.3 37.9

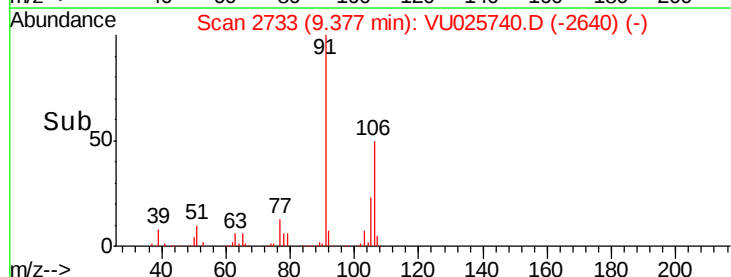
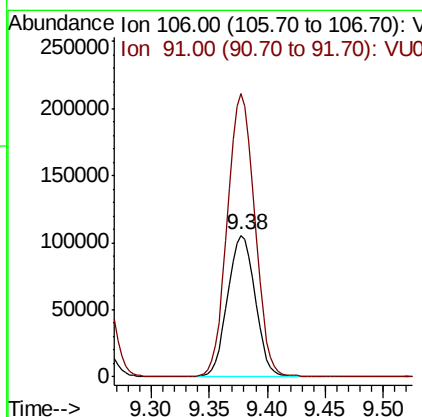
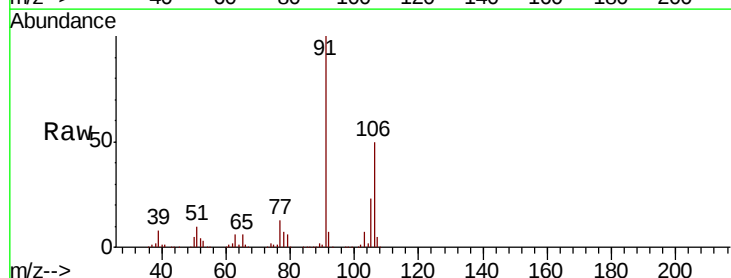
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#68
m/p-Xylenes
Concen: 42.635 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU025740.D
Acq: 31 Jul 2018 15:47

Tgt Ion: 106 Resp: 172645
Ion Ratio Lower Upper
106 100
91 199.0 162.3 243.5





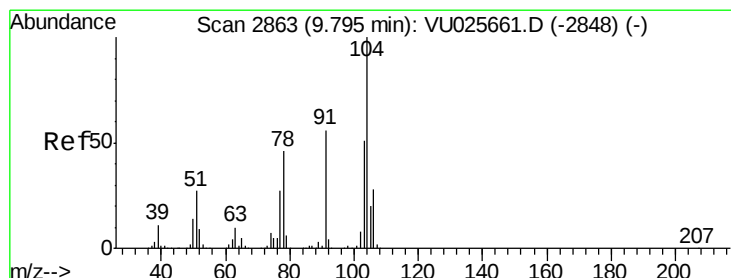
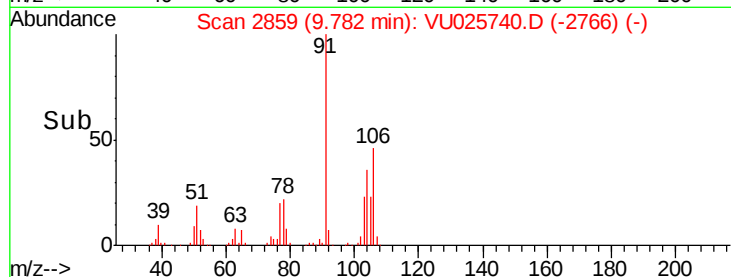
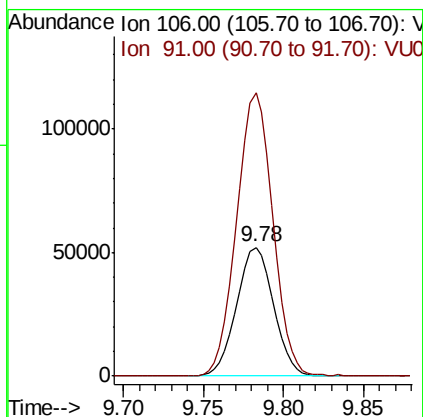
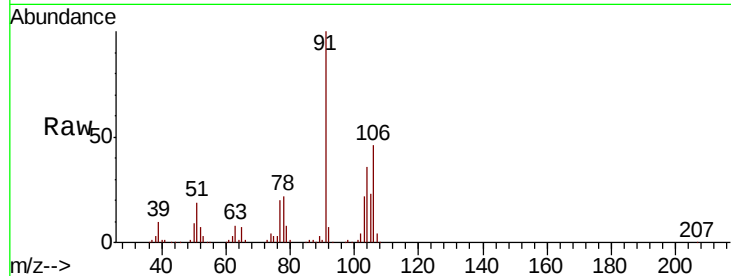
#69
o-Xylene
Concen: 20.711 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU025740.D
Acq: 31 Jul 2018 15:47

Instrument :
MSVOA_U
ClientSampled :
VU0801WBS01

Tot Ion:106 Resp: 81966
Ion Ratio Lower Upper
106 100
91 215.0 105.3 315.8

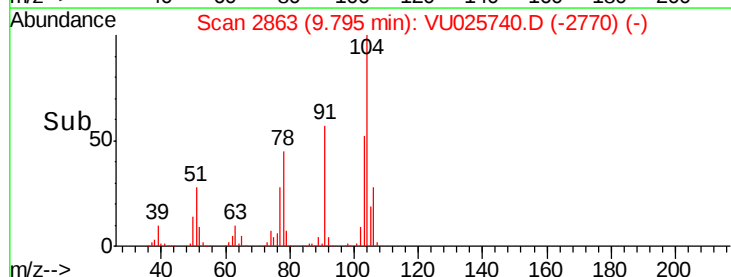
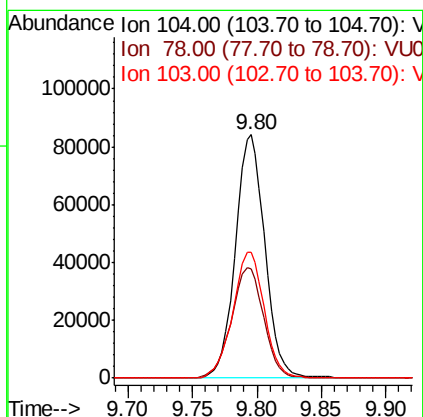
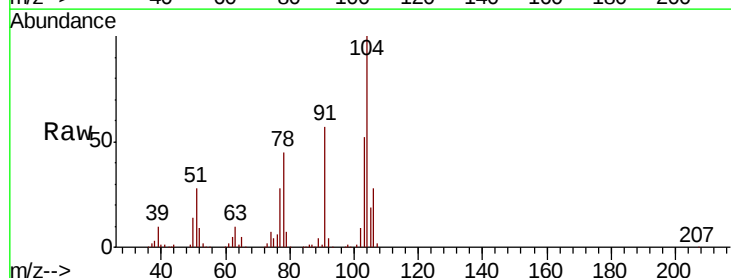
Manual Integrations
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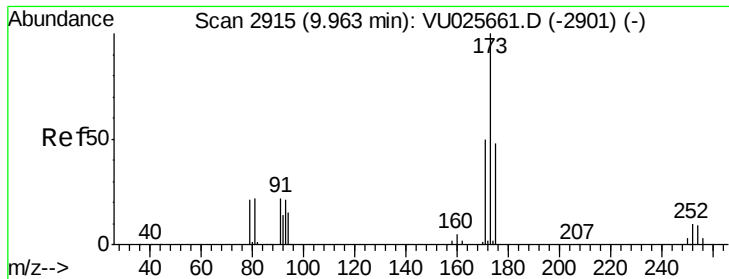
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#70
Styrene
Concen: 20.914 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU025740.D
Acq: 31 Jul 2018 15:47

Tgt Ion:104 Resp: 133693
Ion Ratio Lower Upper
104 100
78 49.9 41.6 62.4
103 55.5 44.6 66.8





#71

Bromoform

Concen: 19.738 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. -0.00 min

Lab File: VU025740.D

Acq: 31 Jul 2018 15:47

Instrument :

MSVOA_U

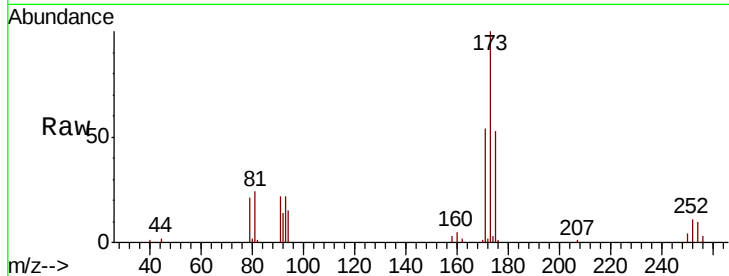
ClientSampleId :

VU0801WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	51.8	24.0	72.0
254	0.2	0.0	0.0

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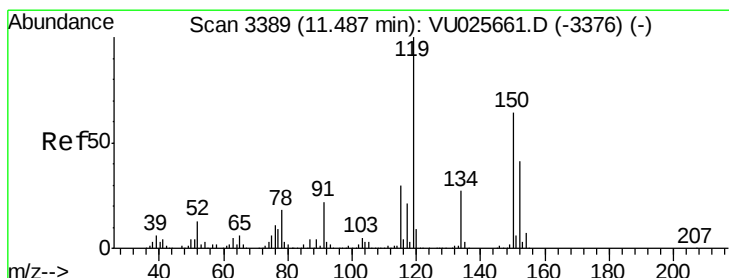
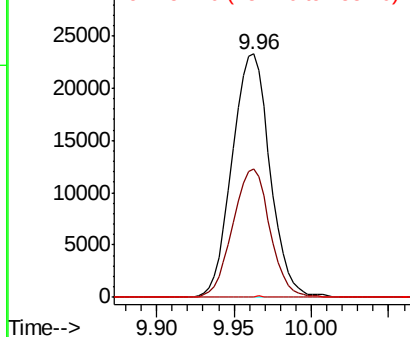


Abundance

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

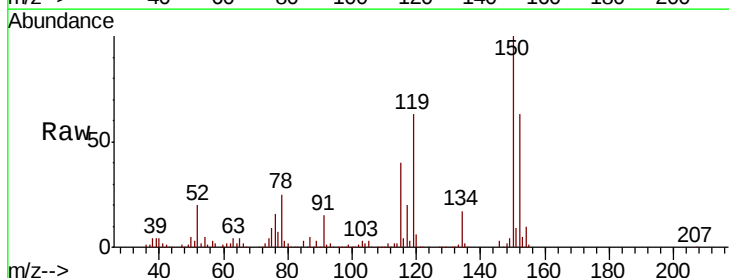
RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU025740.D

Acq: 31 Jul 2018 15:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	66.1	40.1	120.3
150	165.4	0.0	351.4

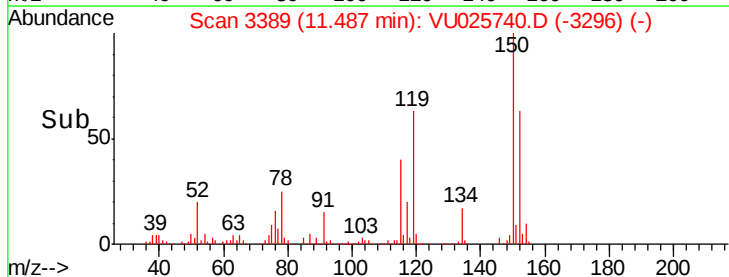
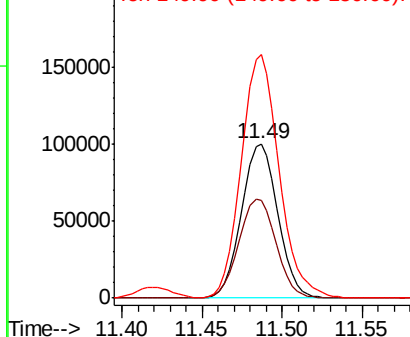


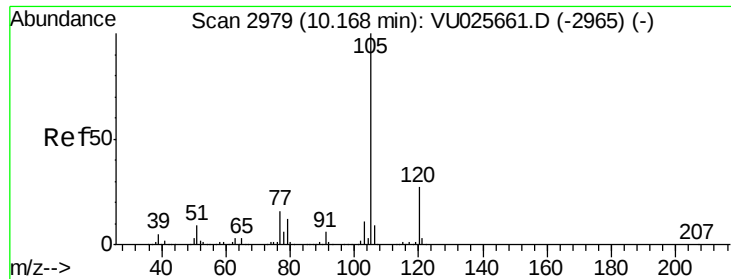
Abundance

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





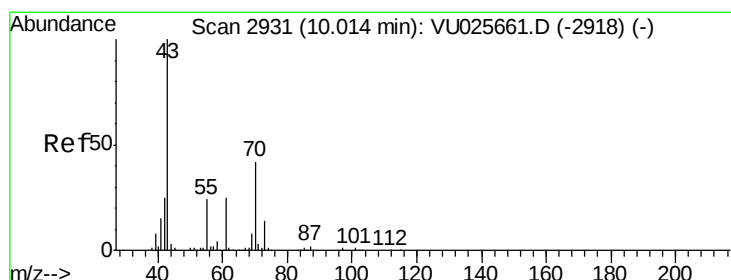
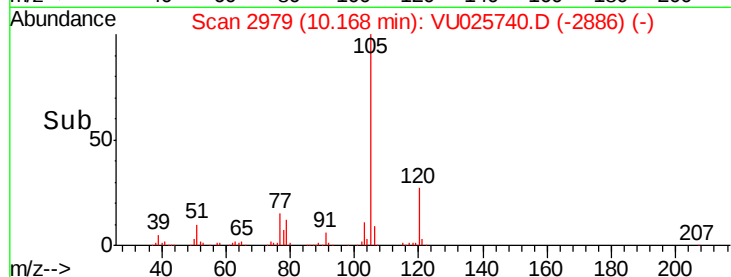
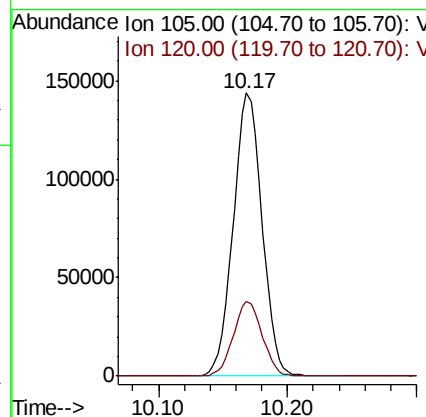
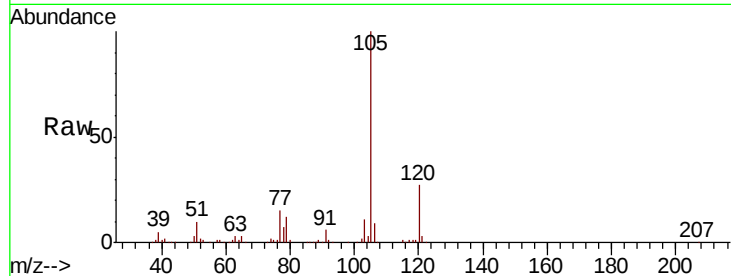
#73
Isopropylbenzene
Concen: 21.132 ug/l
RT: 10.17 min Scan# 2979
Delta R.T. -0.00 min
Lab File: VU025740.D
Acq: 31 Jul 2018 15:47

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.5	40.5

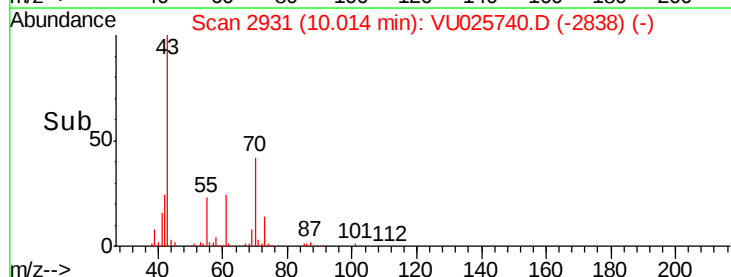
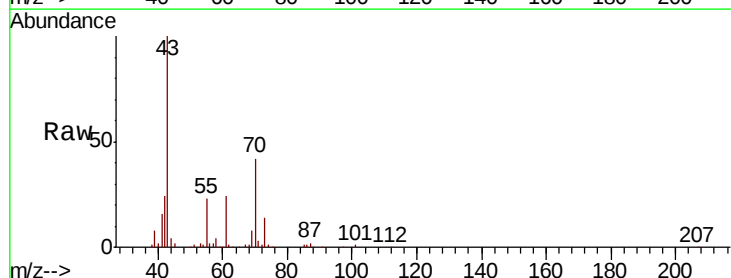
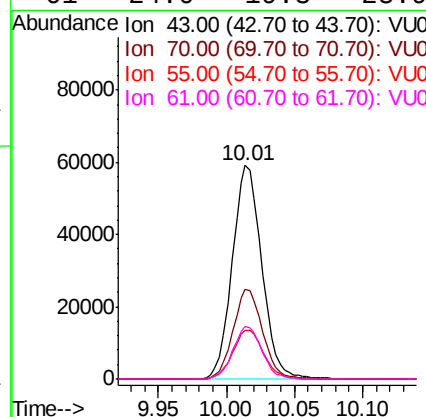
Manual Integrations
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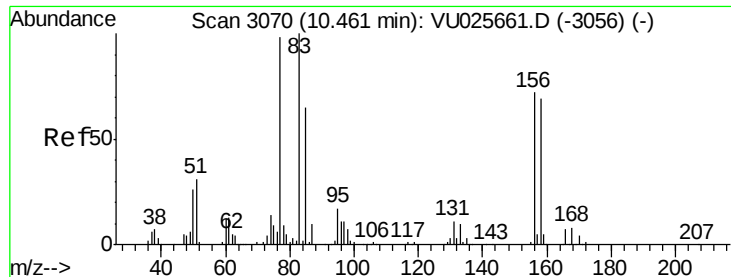
MMDadoda
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#74
N-ethyl acetate
Concen: 20.708 ug/l
RT: 10.01 min Scan# 2931
Delta R.T. -0.00 min
Lab File: VU025740.D
Acq: 31 Jul 2018 15:47

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.0	33.4	50.2
55	23.7	19.0	28.6
61	24.0	19.3	28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.659 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU025740.D

Acq: 31 Jul 2018 15:47

Instrument :

MSVOA_U

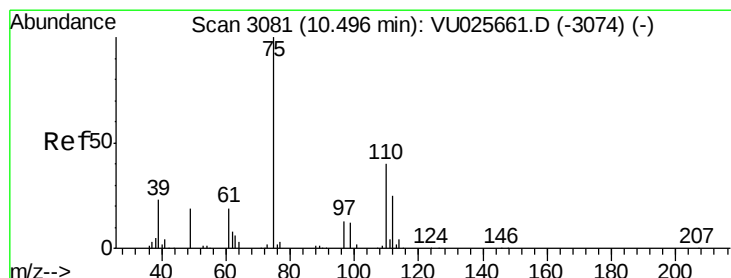
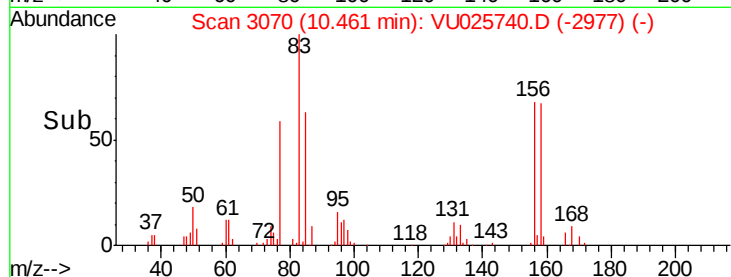
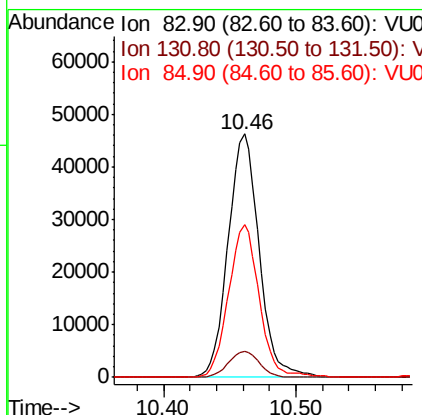
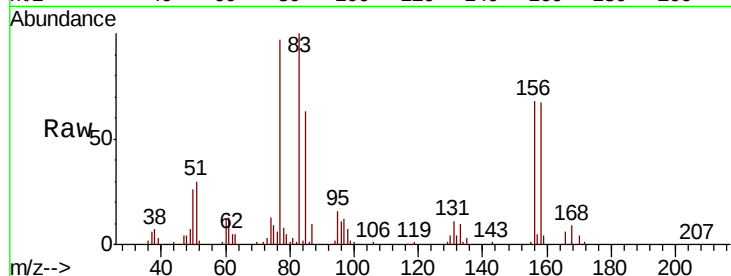
ClientSampleId :

VU0801WBS01

Tot Ion:	83	Resp:	75255
Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.5	16.4
85	62.0	31.6	94.8

Manual Integrations
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8/2/2018 9:40:51 AM



#76

1,2,3-Trichloropropane

Concen: 18.245 ug/l m

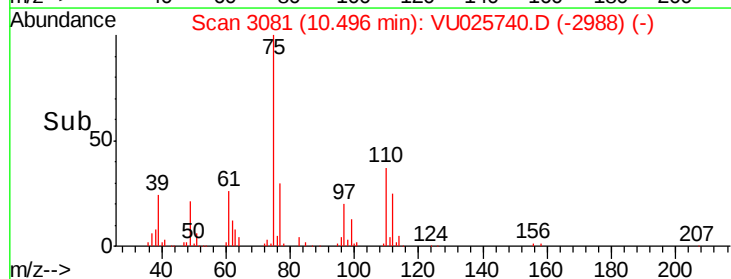
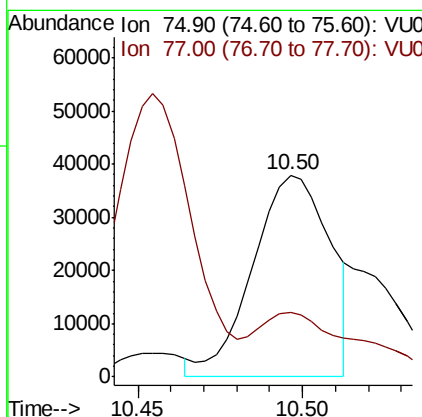
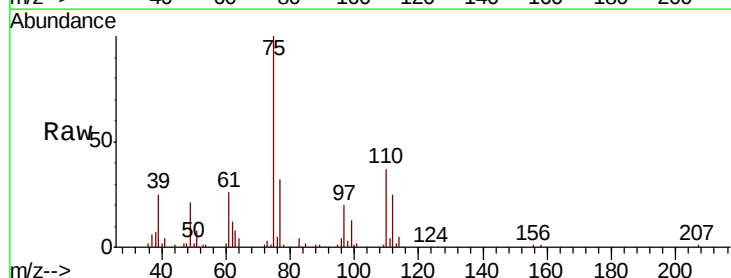
RT: 10.50 min Scan# 3081

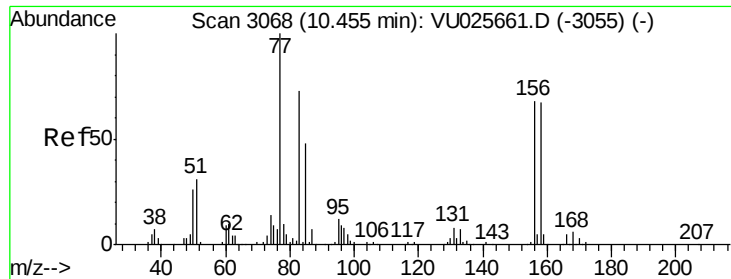
Delta R.T. -0.00 min

Lab File: VU025740.D

Acq: 31 Jul 2018 15:47

Tgt Ion:	75	Resp:	62043
Ion	Ratio	Lower	Upper
75	100		
77	41.1	20.4	61.3





#77

Bromobenzene

Concen: 20.355 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. -0.00 min

Lab File: VU025740.D

Acq: 31 Jul 2018 15:47

Instrument :

MSVOA_U

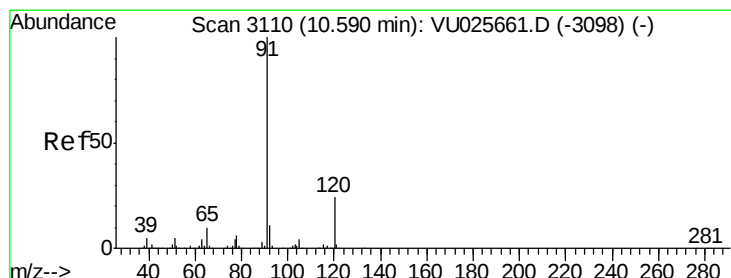
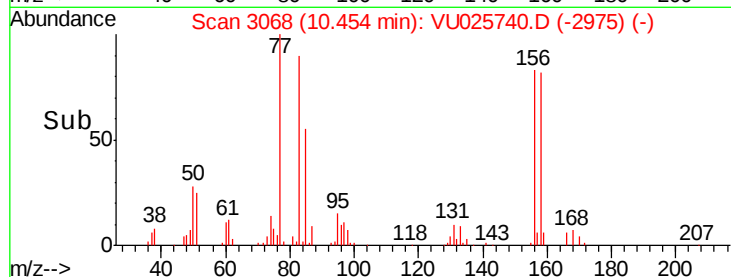
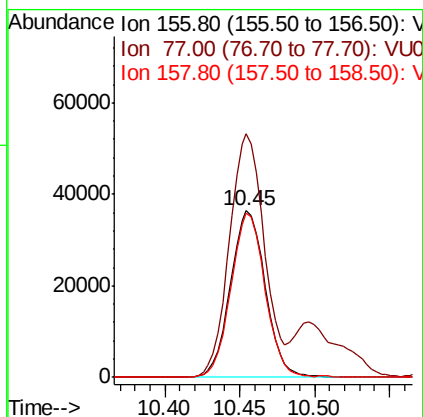
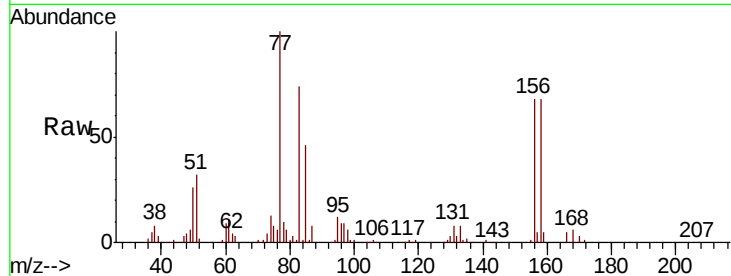
ClientSampleId :

VU0801WBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	146.3	73.8	221.4	
158	96.3	48.0	144.0	

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#78

n-propylbenzene

Concen: 20.978 ug/l

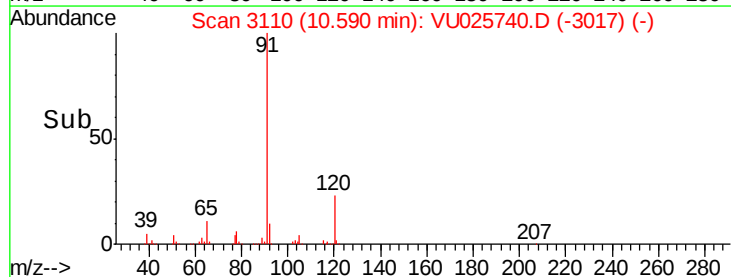
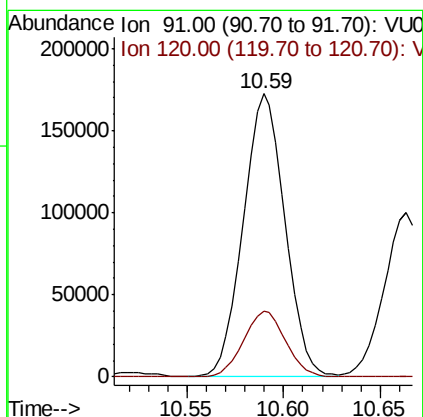
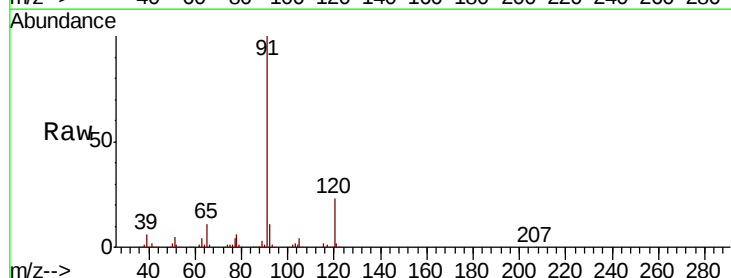
RT: 10.59 min Scan# 3110

Delta R.T. -0.00 min

Lab File: VU025740.D

Acq: 31 Jul 2018 15:47

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.6	11.8	35.3	





#79

2-Chlorotoluene

Concen: 21.174 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. -0.00 min

Lab File: VU025740.D

Acq: 31 Jul 2018 15:47

Instrument :

MSVOA_U

ClientSampleId :

VU0801WBS01

Tot Ion: 91 Resp: 152484

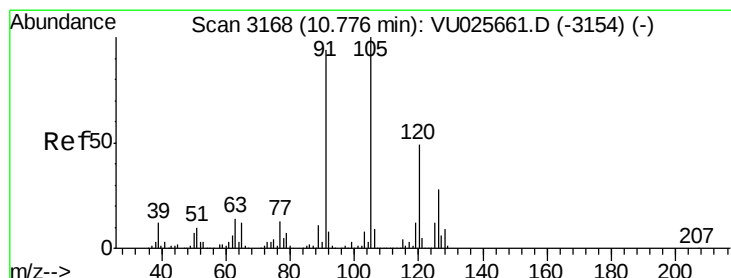
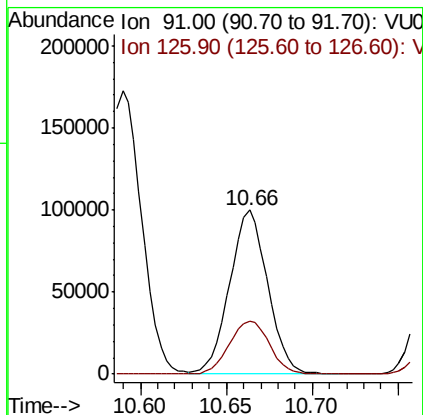
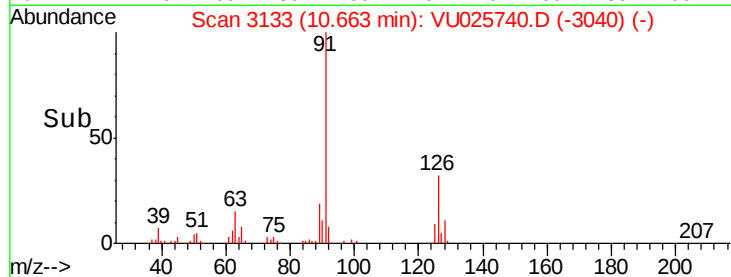
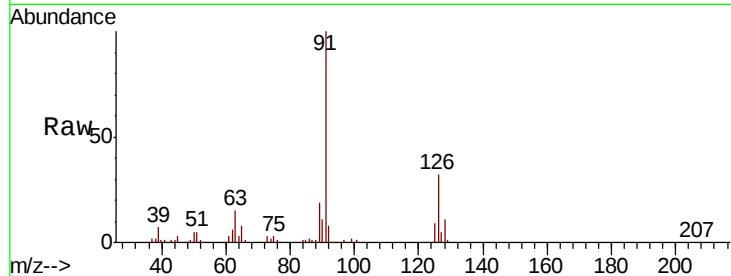
Ion Ratio Lower Upper

91 100

126 34.4 17.5 52.6

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 21.433 ug/l

RT: 10.77 min Scan# 3167

Delta R.T. -0.00 min

Lab File: VU025740.D

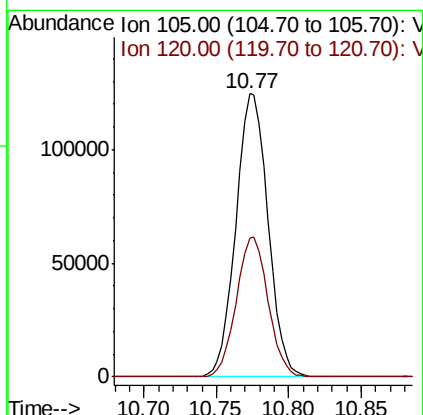
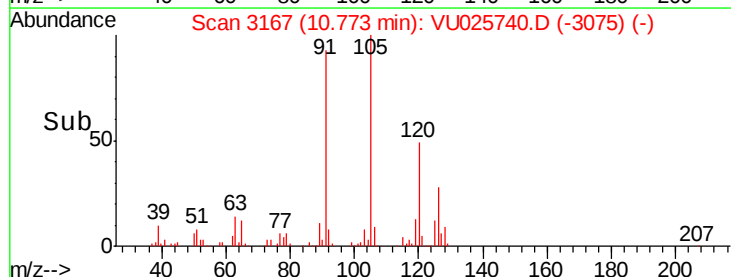
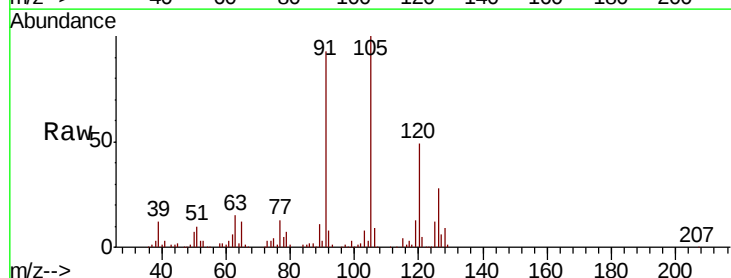
Acq: 31 Jul 2018 15:47

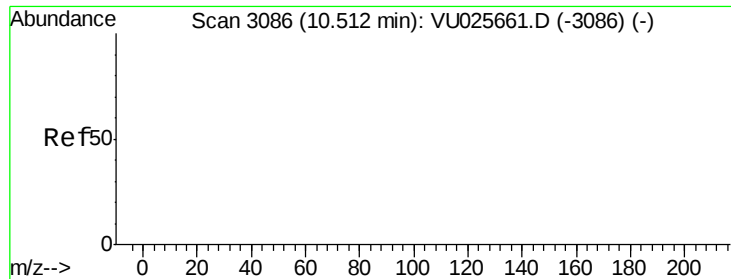
Tgt Ion: 105 Resp: 191748

Ion Ratio Lower Upper

105 100

120 48.9 24.1 72.2





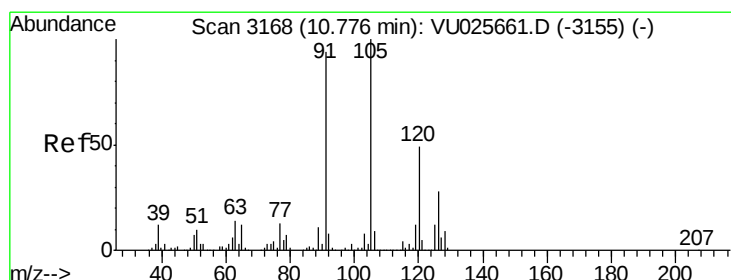
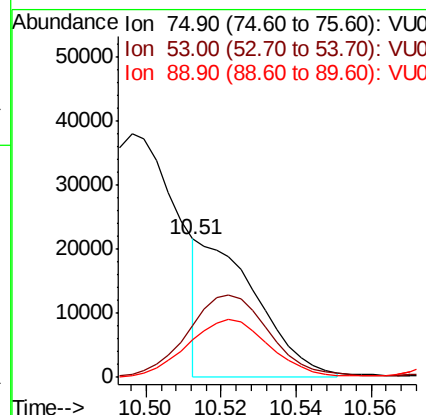
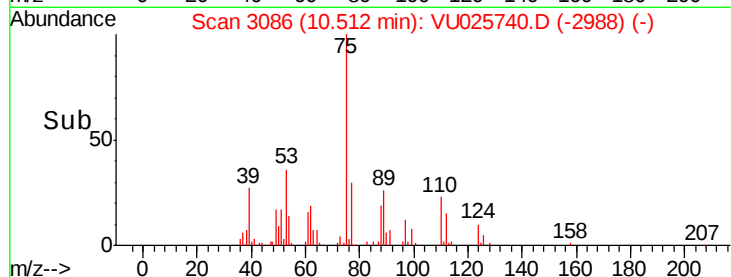
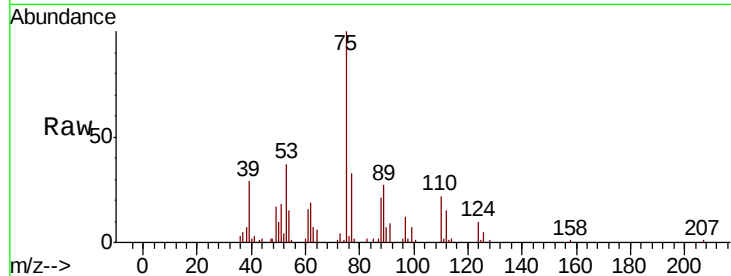
#81
trans-1,4-Dichloro-2-butene
Concen: 16.999 ug/l m
RT: 10.51 min Scan# 3086
Delta R.T. 0.02 min
Lab File: VU025740.D
Acq: 31 Jul 2018 15:47

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBS01

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

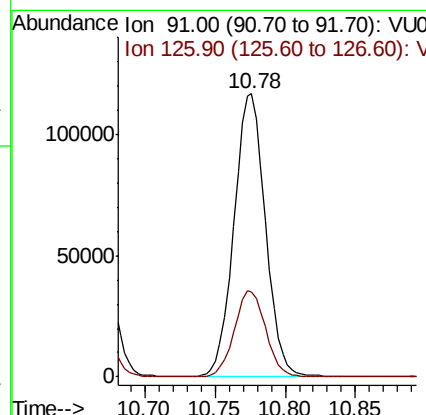
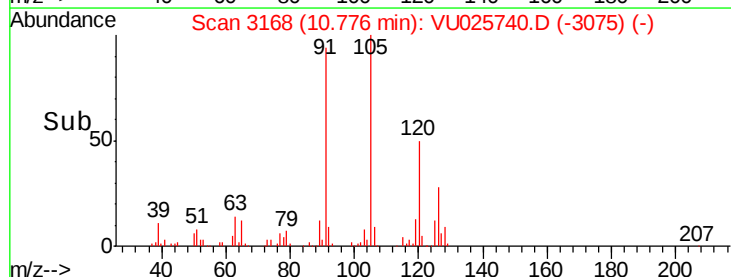
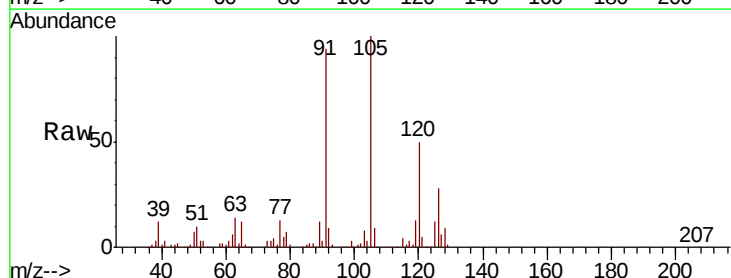
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#82
4-Chlorotoluene
Concen: 21.328 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VU025740.D
Acq: 31 Jul 2018 15:47

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.7	15.3	45.9





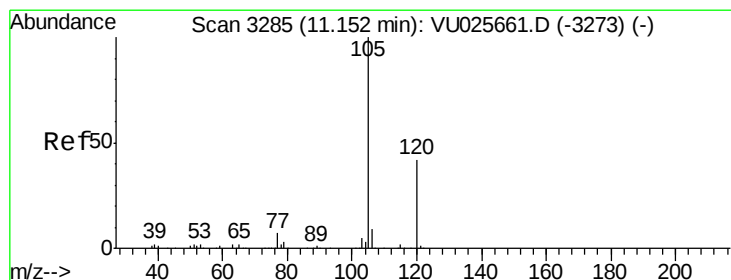
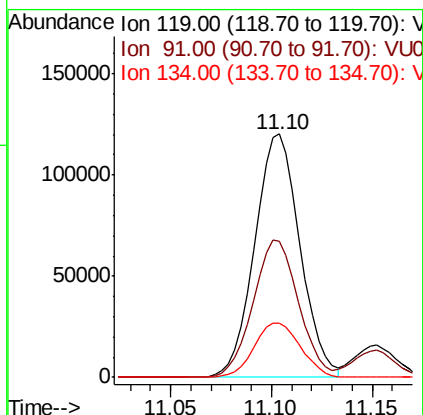
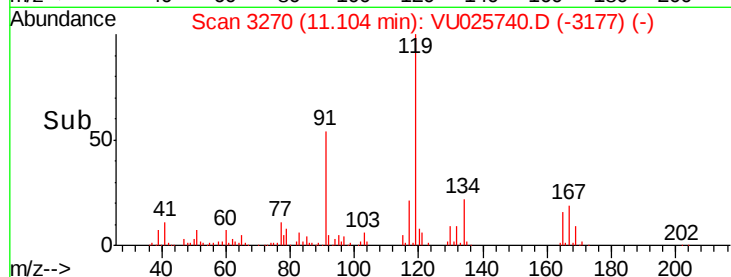
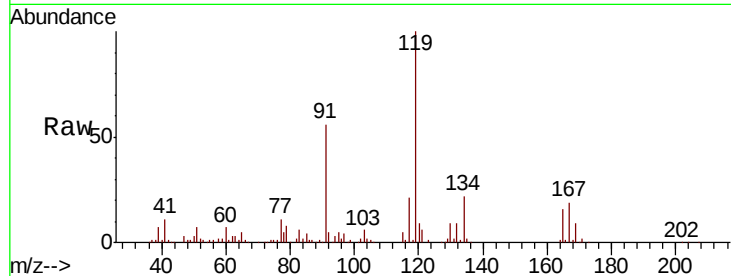
#83
 tert-Butylbenzene
 Concen: 21.160 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. -0.00 min
 Lab File: VU025740.D
 Acq: 31 Jul 2018 15:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	188080		
91	56.8	29.7	89.1	
134	23.0	11.5	34.5	

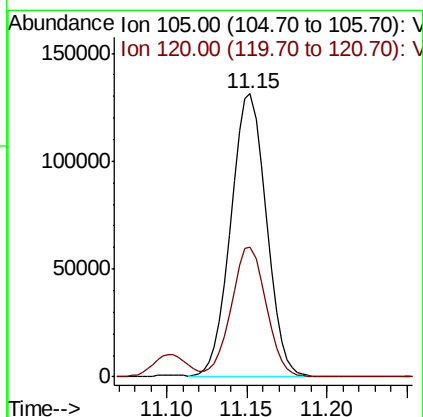
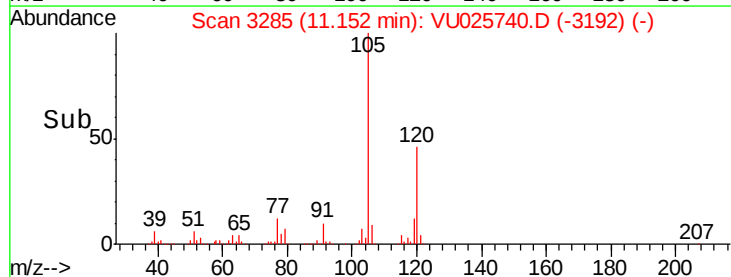
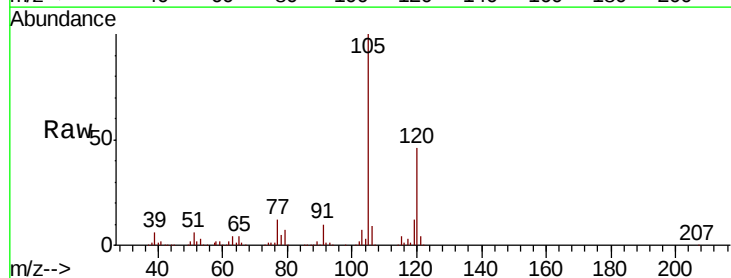
Manual Integrations
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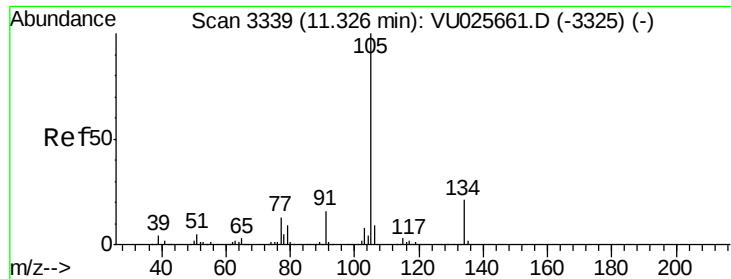
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.832 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. -0.00 min
 Lab File: VU025740.D
 Acq: 31 Jul 2018 15:47

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	197924		
120	45.2	22.3	66.8	





#85

sec-Butylbenzene

Concen: 20.990 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VU025740.D

Acq: 31 Jul 2018 15:47

Instrument :

MSVOA_U

ClientSampleId :

VU0801WBS01

Tot Ion:105 Resp: 227788

Ion Ratio Lower Upper

105 100

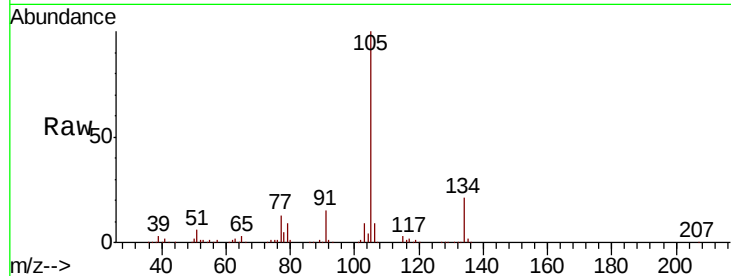
134 21.0 10.3 30.8

Manual Integrations

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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

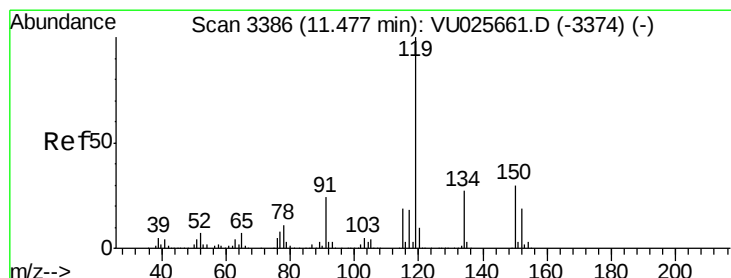
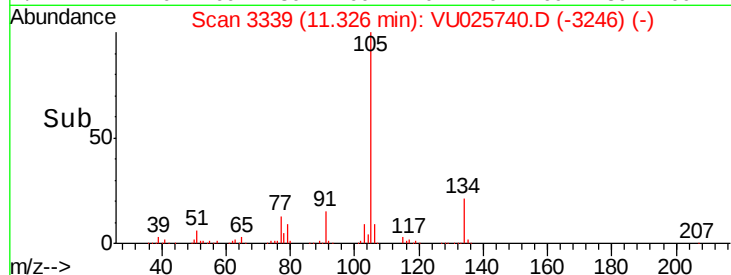
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 21.536 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. -0.00 min

Lab File: VU025740.D

Acq: 31 Jul 2018 15:47

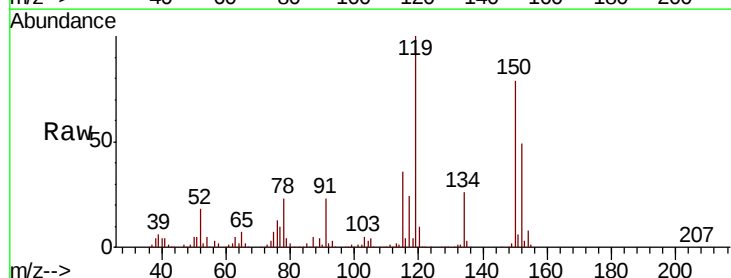
Tgt Ion:119 Resp: 209274

Ion Ratio Lower Upper

119 100

134 25.9 13.2 39.5

91 23.7 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU

11.48

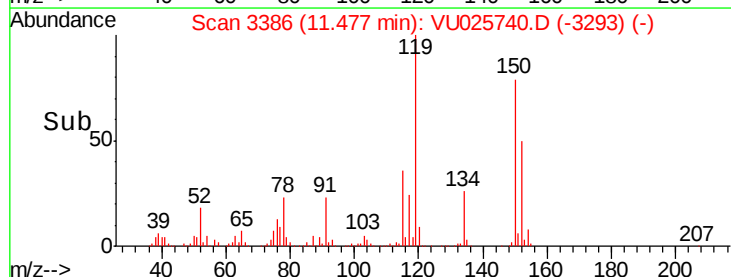
150000

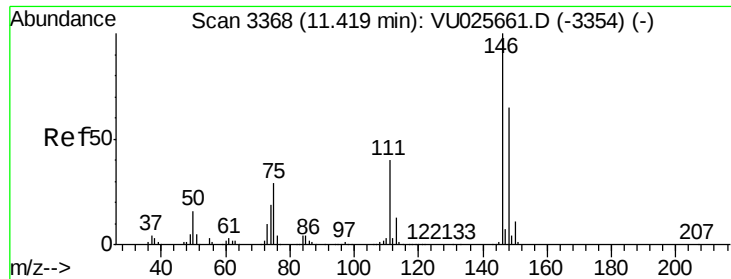
100000

50000

0

Time-->





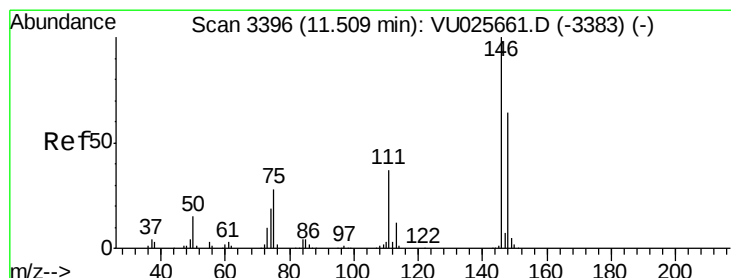
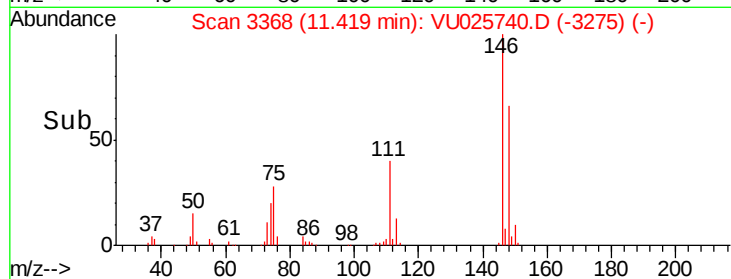
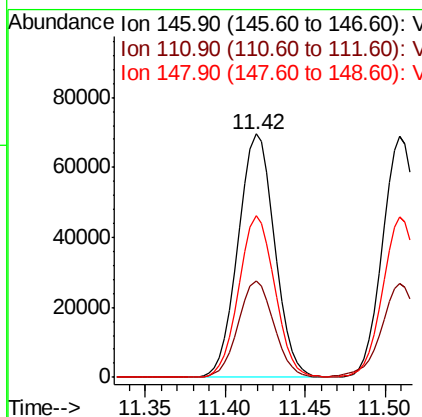
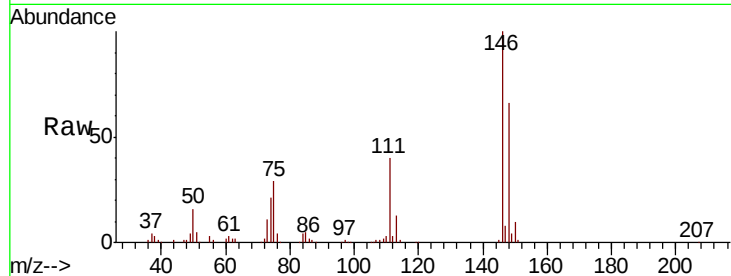
#87
 1,3-Dichlorobenzene
 Concen: 20.050 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU025740.D
 Acq: 31 Jul 2018 15:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.7	59.1
148	65.2	32.1	96.3

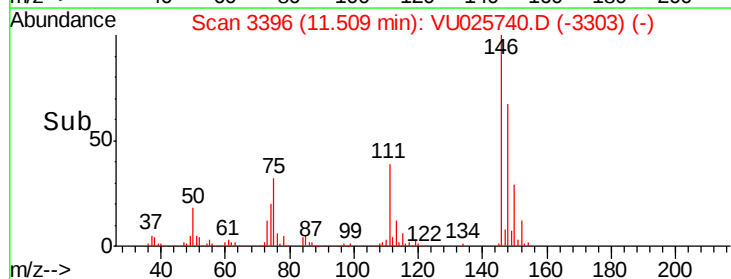
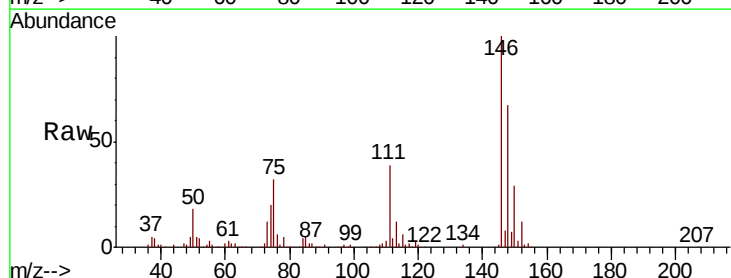
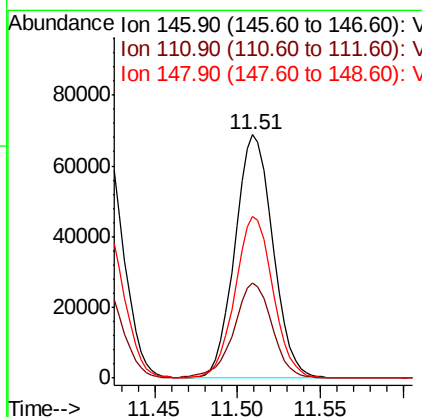
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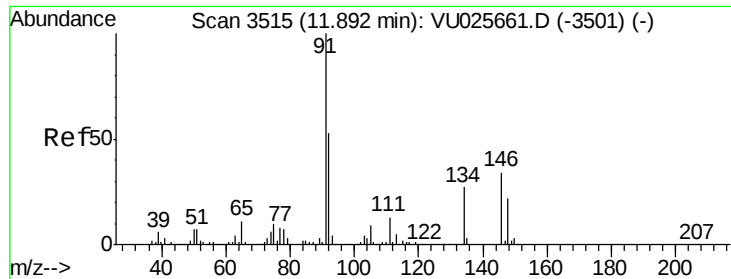
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#88
 1,4-Dichlorobenzene
 Concen: 19.400 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU025740.D
 Acq: 31 Jul 2018 15:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.4	58.1
148	66.7	31.7	95.1





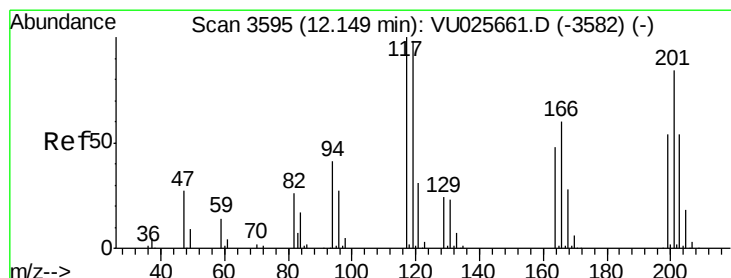
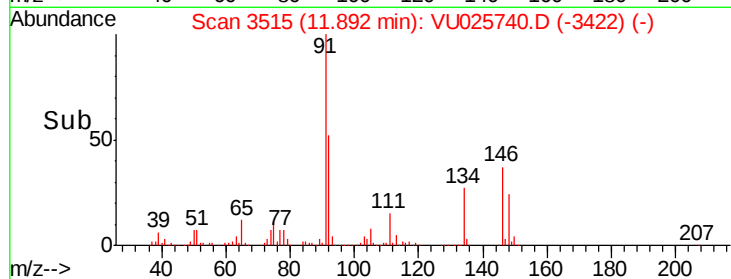
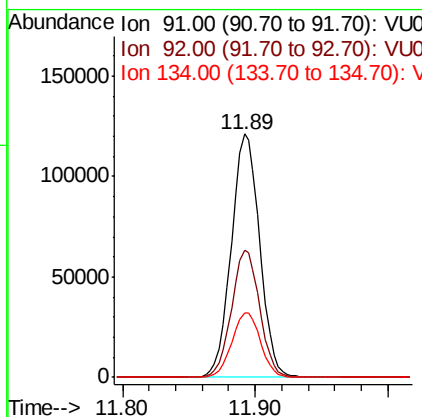
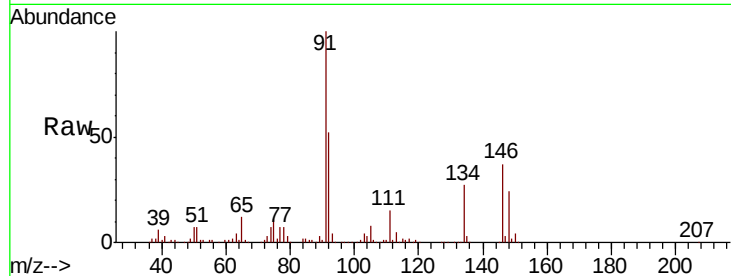
#89
n-Butylbenzene
Concen: 20.042 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. -0.00 min
Lab File: VU025740.D
Acq: 31 Jul 2018 15:47

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.5	79.5
134	26.9	13.6	40.7

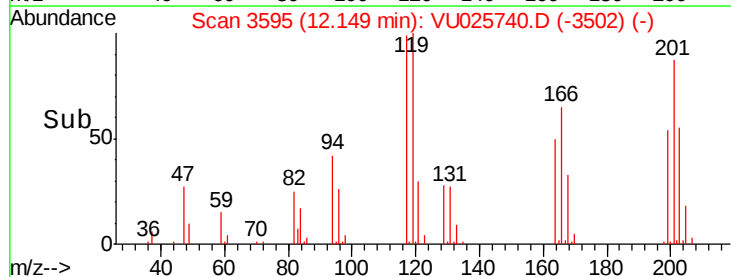
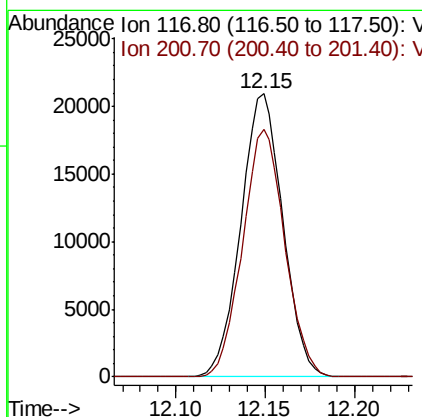
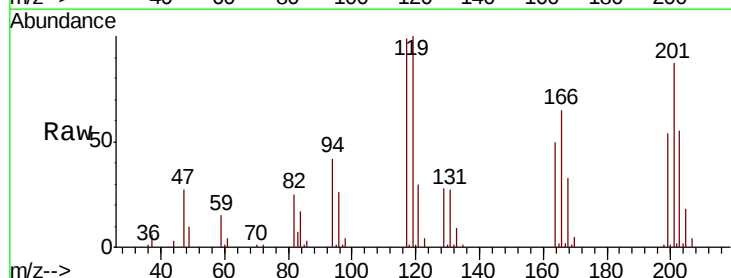
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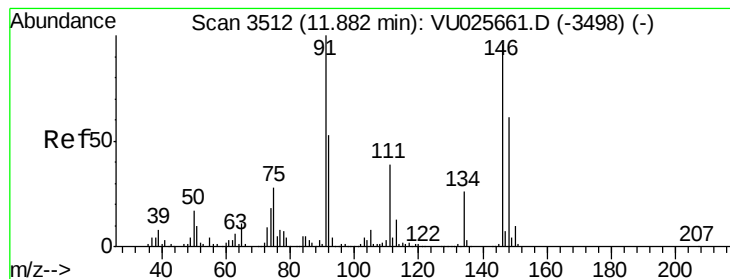
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#90
Hexachloroethane
Concen: 19.971 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. -0.00 min
Lab File: VU025740.D
Acq: 31 Jul 2018 15:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.6	42.5	127.6





#91

1,2-Dichlorobenzene

Concen: 20.691 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU025740.D

Acq: 31 Jul 2018 15:47

Instrument :

MSVOA_U

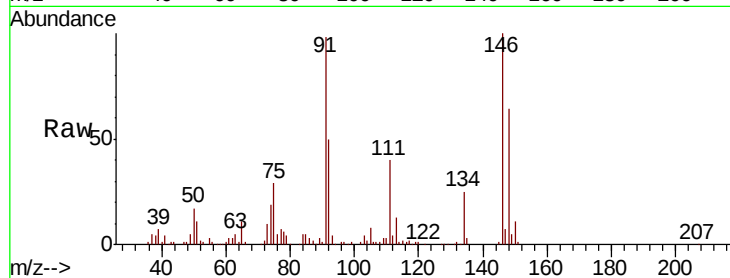
ClientSampleId :

VU0801WBS01

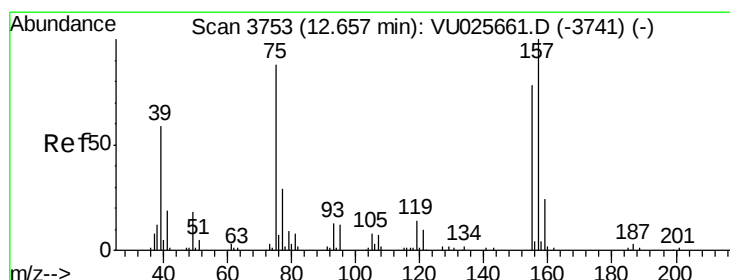
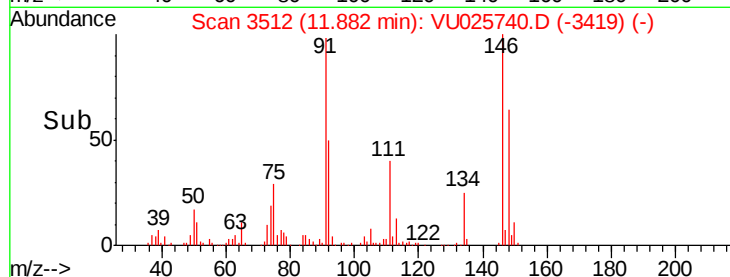
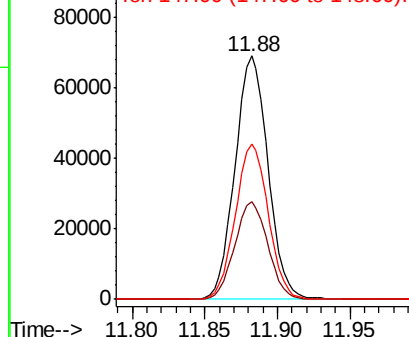
Tot Ion:	146	Resp:	109383
Ion Ratio	Lower	Upper	
146	100		
111	40.2	20.6	61.8
148	63.7	31.5	94.5

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



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.828 ug/l

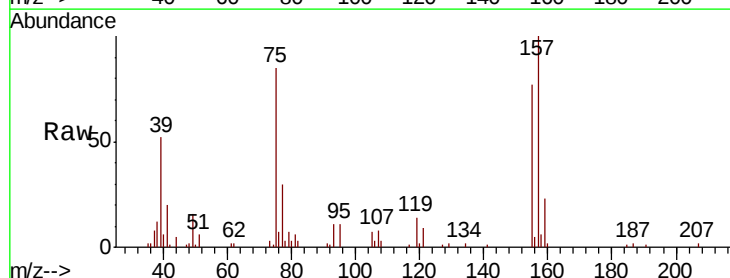
RT: 12.66 min Scan# 3754

Delta R.T. 0.00 min

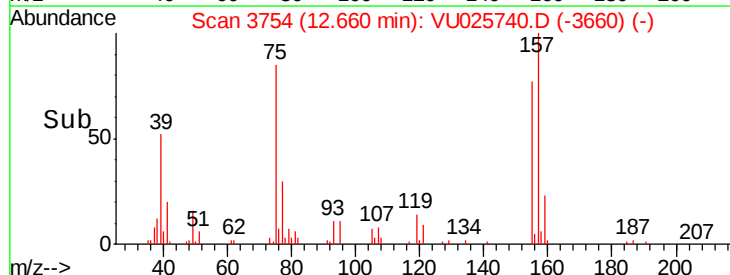
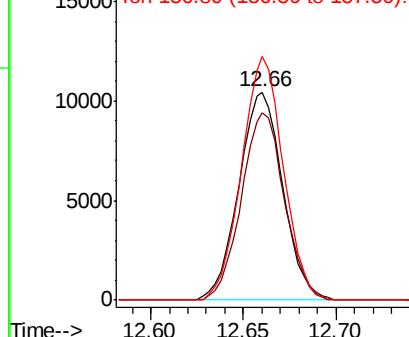
Lab File: VU025740.D

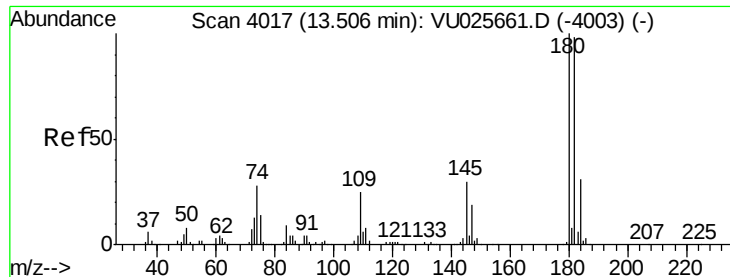
Acq: 31 Jul 2018 15:47

Tgt Ion:	75	Resp:	17124
Ion Ratio	Lower	Upper	
75	100		
155	88.4	44.5	133.3
157	111.5	57.0	170.8



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





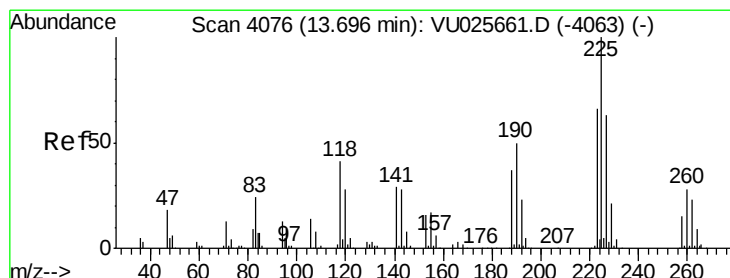
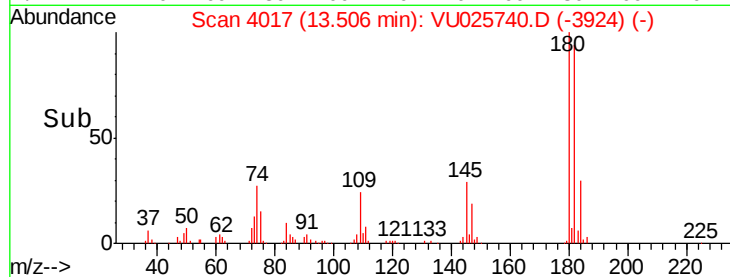
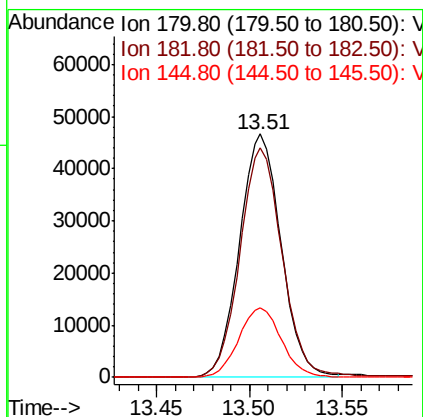
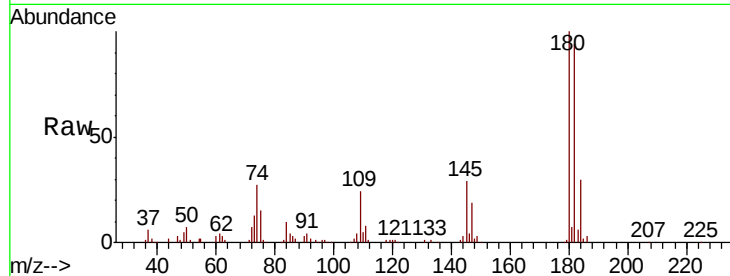
#93
 1,2,4-Trichlorobenzene
 Concen: 20.476 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU025740.D
 Acq: 31 Jul 2018 15:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.3	141.9
145	29.3	14.9	44.7

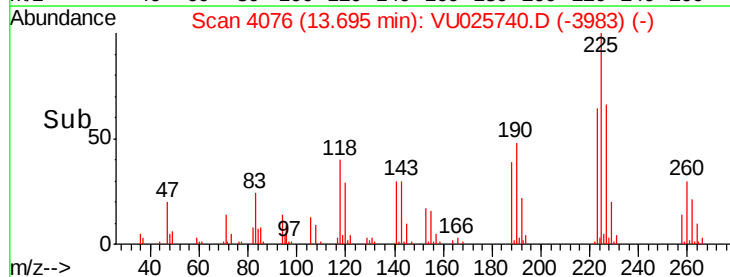
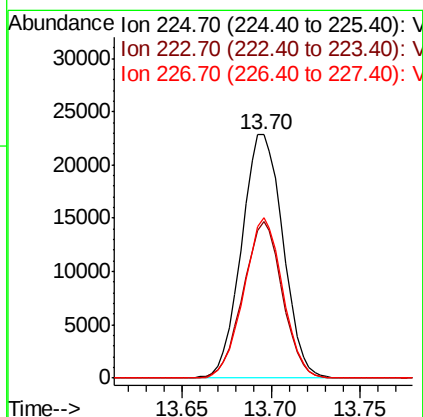
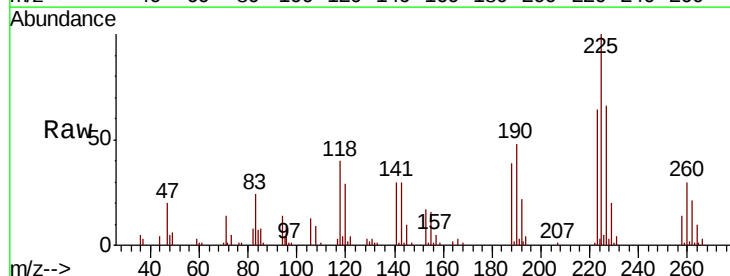
Manual Integrations
 APPROVED

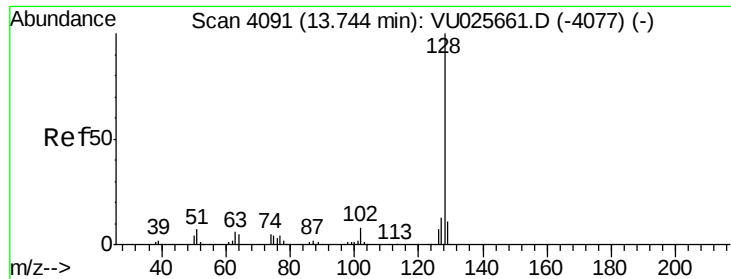
MMDadoda
 8/2/2018 9:40:51 AM



#94
 Hexachlorobutadiene
 Concen: 19.673 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. -0.00 min
 Lab File: VU025740.D
 Acq: 31 Jul 2018 15:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.8	31.9	95.7
227	61.6	32.3	96.9





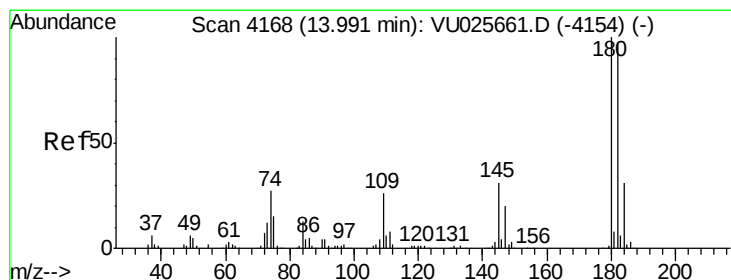
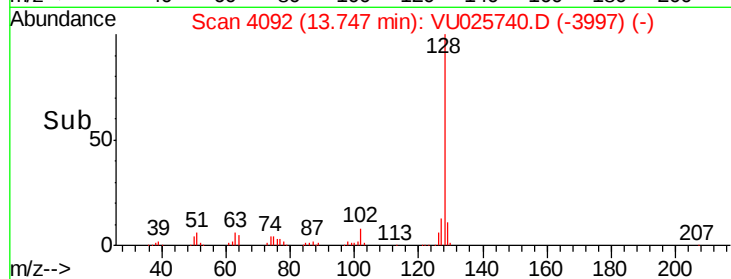
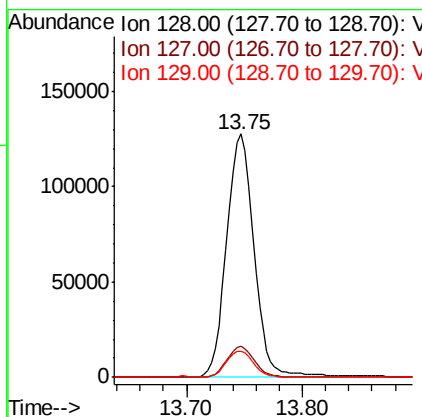
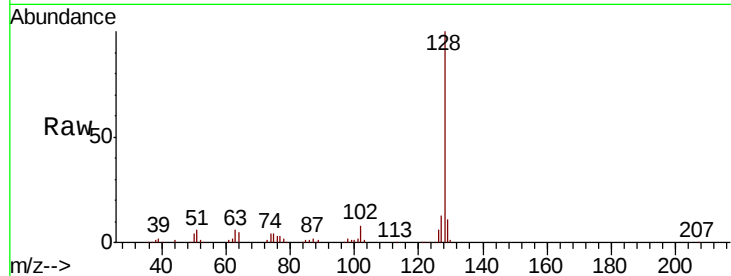
#95
Naphthalene
Concen: 19.048 ug/l
RT: 13.75 min Scan# 4092
Delta R.T. 0.00 min
Lab File: VU025740.D
Acq: 31 Jul 2018 15:47

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.5	15.7
129	10.6	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
8/2/2018 9:40:51 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.418 ug/l
RT: 13.99 min Scan# 4168
Delta R.T. -0.00 min
Lab File: VU025740.D
Acq: 31 Jul 2018 15:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.8	143.3
145	32.1	15.6	46.8

