

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U072718\
 Data File : VU025663.D
 Acq On : 27 Jul 2018 11:51
 Operator : MD/SY
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 7/31/2018 3:48:18 PM

Quant Time: Jul 28 02:18:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 12:00:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	179747	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	268004	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	267386	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	181196	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	402759	144.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	288.44%	
35) Dibromofluoromethane	4.89	113	337052	149.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	298.16%	
50) Toluene-d8	7.57	98	1212570	156.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	313.24%	
62) 4-Bromofluorobenzene	10.31	95	498913	160.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	320.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	432891	232.71	ug/l	99
3) Chloromethane	1.33	50	388753	184.68	ug/l	100
4) Vinyl Chloride	1.40	62	367671	179.86	ug/l	99
5) Bromomethane	1.61	94	144682	96.88	ug/l	99
6) Chloroethane	1.68	64	205302	144.11	ug/l	99
7) Trichlorofluoromethane	1.87	101	528046	164.37	ug/l	98
8) Diethyl Ether	2.10	74	181406	150.47	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.28	101	298479	149.92	ug/l	99
10) Methyl Iodide	2.40	142	334462	172.08	ug/l	100
11) Tert butyl alcohol	2.84	59	462026	758.40	ug/l	99
12) 1,1-Dichloroethene	2.27	96	281805	154.67	ug/l	94
13) Acrolein	2.19	56	169206	419.84	ug/l	99
14) Allyl chloride	2.59	41	532287	161.09	ug/l	89
15) Acrylonitrile	2.94	53	956474	763.65	ug/l	99
16) Acetone	2.32	43	898146	595.59	ug/l	98
17) Carbon Disulfide	2.47	76	933018	165.31	ug/l	100
18) Methyl Acetate	2.62	43	522590	182.77	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	1049038	151.37	ug/l	99
20) Methylene Chloride	2.70	84	342524	138.25	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	328136	157.59	ug/l	98
22) Diisopropyl ether	3.57	45	1009293	149.56	ug/l	92
23) Vinyl Acetate	3.53	43	4484628	757.57	ug/l	99
24) 1,1-Dichloroethane	3.45	63	600907	157.89	ug/l	100
25) 2-Butanone	4.27	43	1372761	709.21	ug/l	99
26) 2,2-Dichloropropane	4.23	77	524898	143.44	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	367041	152.35	ug/l	98
28) Bromochloromethane	4.55	49	255291	138.91	ug/l	99
29) Tetrahydrofuran	4.64	42	850490	732.55	ug/l	100
30) Chloroform	4.68	83	621453	154.19	ug/l	100
31) Cyclohexane	4.99	56	527347	124.71	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	574038	157.16	ug/l	98
36) 1,1-Dichloropropene	5.14	75	473156	158.80	ug/l	99
37) Ethyl Acetate	4.38	43	491759	147.99	ug/l	99
38) Carbon Tetrachloride	5.14	117	526649	164.22	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	549679	147.90	ug/l	99
40) Benzene	5.39	78	1331895	155.12	ug/l	98
41) Methacrylonitrile	4.54	41	278069	150.94	ug/l	98
42) 1,2-Dichloroethane	5.41	62	504897	147.93	ug/l	99
43) Isopropyl Acetate	5.55	43	814431	153.06	ug/l	99
44) Trichloroethene	6.19	130	373741	151.59	ug/l	98
45) 1,2-Dichloropropane	6.44	63	349776	155.53	ug/l	100
46) Dibromomethane	6.56	93	254473	155.49	ug/l	100
47) Bromodichloromethane	6.76	83	492246	161.91	ug/l	97
48) Methyl methacrylate	6.63	41	423681	159.72	ug/l	97
49) 1,4-Dioxane	6.62	88	199577	3126.69	ug/l	96
51) 4-Methyl-2-Pentanone	7.47	43	2707667	782.90	ug/l	99
52) Toluene	7.64	92	865659	158.47	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	584194	174.89	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	594895	167.33	ug/l	96
55) 1,1,2-Trichloroethane	8.07	97	353677	155.46	ug/l	100
56) Ethyl methacrylate	8.02	69	564418	158.84	ug/l	95
57) 1,3-Dichloropropane	8.25	76	596254	157.87	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	1177727	939.24	ug/l	100
59) 2-Hexanone	8.37	43	2181787	777.74	ug/l	97
60) Dibromochloromethane	8.48	129	434887	177.00	ug/l	100
61) 1,2-Dibromoethane	8.59	107	404872	166.32	ug/l	99
64) Tetrachloroethene	8.23	164	333512	136.83	ug/l	98
65) Chlorobenzene	9.12	112	1012082	151.52	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	384836	161.06	ug/l	99
67) Ethyl Benzene	9.25	91	1728260	151.77	ug/l	100
68) m/p-Xylenes	9.38	106	1367670	310.65	ug/l	97
69) o-Xylene	9.78	106	663882	150.62	ug/l	100
70) Styrene	9.80	104	1111901	158.81	ug/l	98
71) Bromoform	9.96	173	367462	177.83	ug/l #	98
73) Isopropylbenzene	10.17	105	1800660	130.06	ug/l	100
74) N-amyl acetate	10.02	43	812398	135.17	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	628366	138.73	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	550834m	133.50	ug/l	
77) Bromobenzene	10.46	156	492946	139.18	ug/l	99
78) n-propylbenzene	10.59	91	2132397	138.80	ug/l	99
79) 2-Chlorotoluene	10.67	91	1246916	129.69	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	1569821	134.76	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.52	75	210398m	145.75	ug/l	
82) 4-Chlorotoluene	10.78	91	1493078	137.26	ug/l	99
83) tert-Butylbenzene	11.10	119	1569872	133.36	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	1635850	137.02	ug/l	98
85) sec-Butylbenzene	11.33	105	1928120	139.11	ug/l	100
86) p-Isopropyltoluene	11.48	119	1756030	143.08	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	927253	143.25	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	942339	141.74	ug/l	99
89) n-Butylbenzene	11.89	91	1617279	160.30	ug/l	100
90) Hexachloroethane	12.15	117	318264	153.15	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	920022	140.74	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	158954	144.69	ug/l	98

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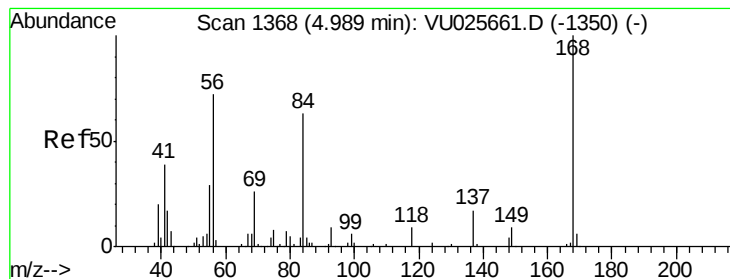
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	674027	157.37	ug/l	99
94) Hexachlorobutadiene	13.70	225	325900	139.39	ug/l	99
95) Naphthalene	13.75	128	2048191	139.00	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	666550	144.31	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VU025663.D

Acq: 27 Jul 2018 11:51

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 179747

Ion Ratio Lower Upper

168 100

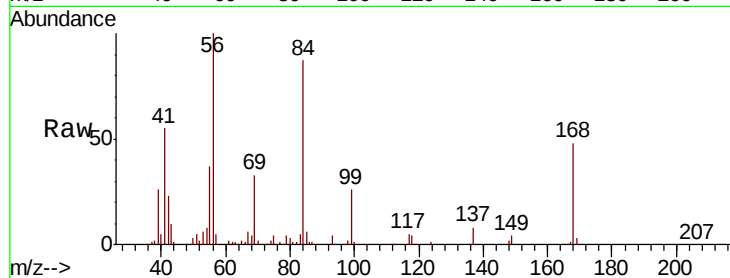
99 53.8 42.8 64.2

Manual Integrations

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7/31/2018 3:48:18 PM



Abundance Ion 167.90 (167.60 to 168.60): VU025663.D (-1275) (-)

Ion 98.90 (98.60 to 99.60): VU025663.D (-1275) (-)

150000

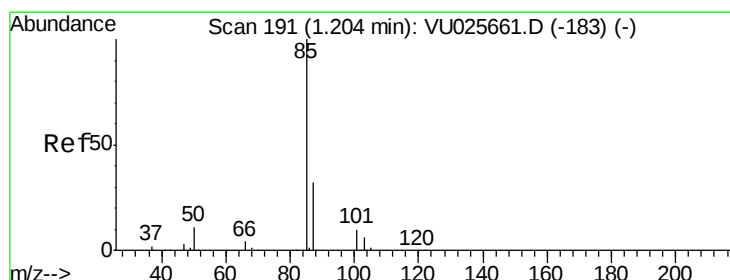
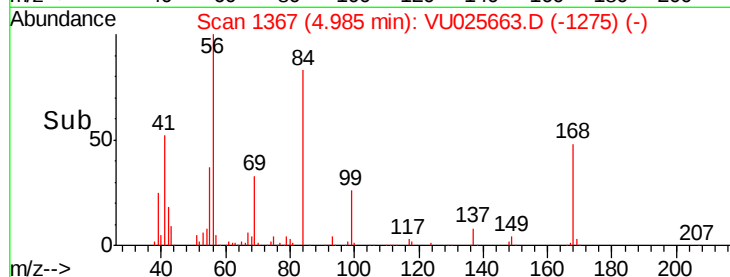
100000

50000

0

4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 232.71 ug/l

RT: 1.20 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU025663.D

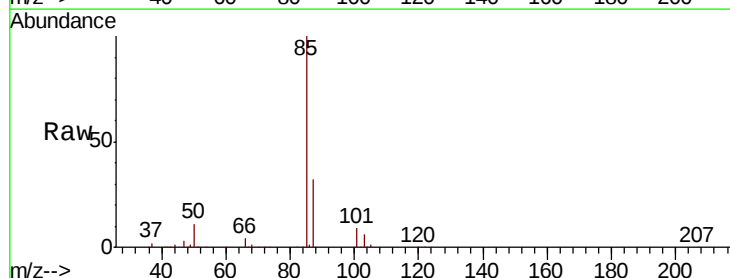
Acq: 27 Jul 2018 11:51

Tgt Ion: 85 Resp: 432891

Ion Ratio Lower Upper

85 100

87 32.4 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU025663.D (-98) (-)

Ion 86.90 (86.60 to 87.60): VU025663.D (-98) (-)

400000

300000

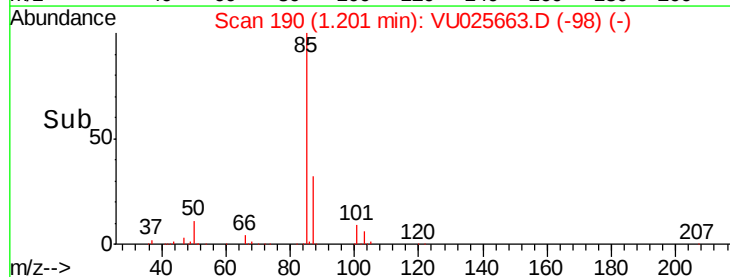
200000

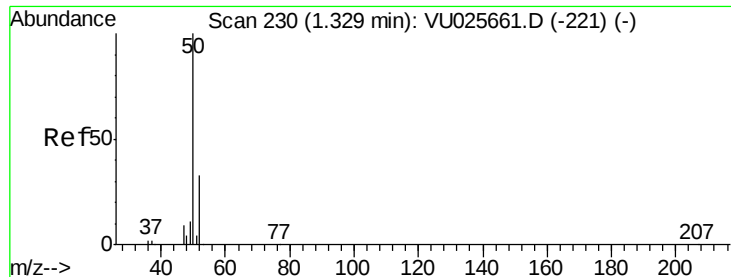
100000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 184.68 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU025663.D

Acq: 27 Jul 2018 11:51

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 388753

Ion Ratio Lower Upper

50 100

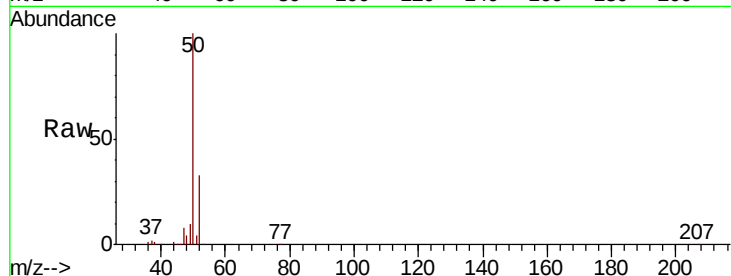
52 33.2 26.5 39.7

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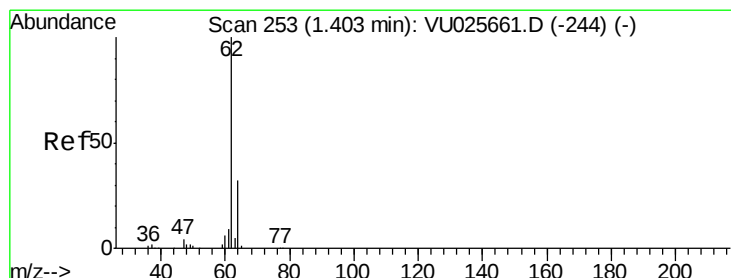
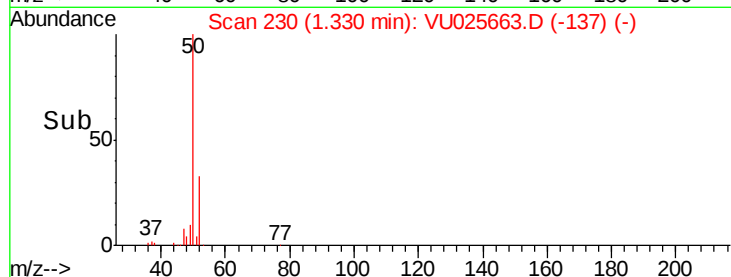
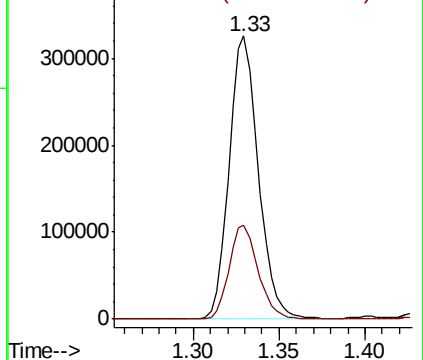
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 179.86 ug/l

RT: 1.40 min Scan# 252

Delta R.T. -0.00 min

Lab File: VU025663.D

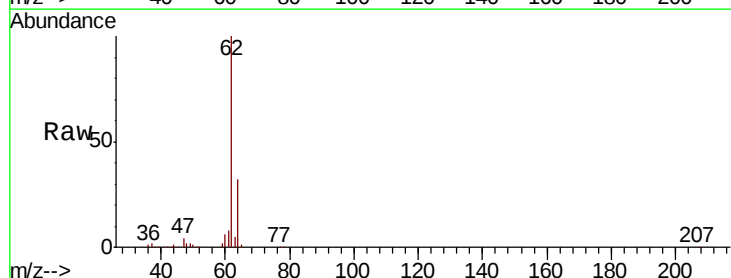
Acq: 27 Jul 2018 11:51

Tgt Ion: 62 Resp: 367671

Ion Ratio Lower Upper

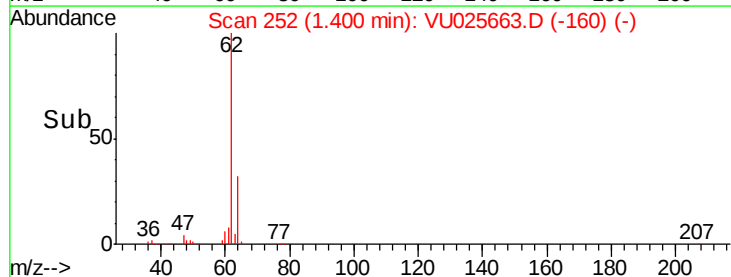
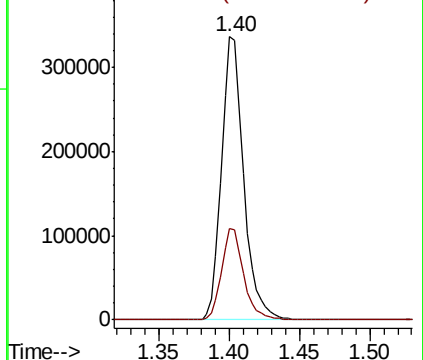
62 100

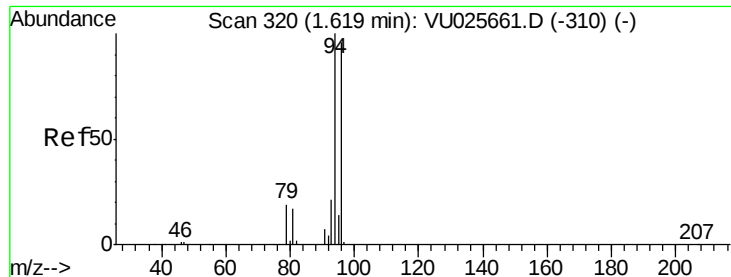
64 32.3 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 96.88 ug/l

RT: 1.61 min Scan# 316

Delta R.T. -0.01 min

Lab File: VU025663.D

Acq: 27 Jul 2018 11:51

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 144682

Ion Ratio Lower Upper

94 100

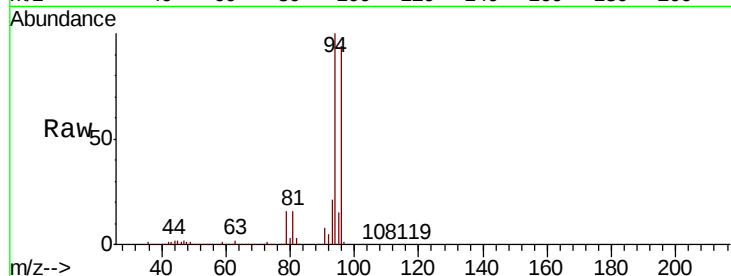
96 94.2 75.0 112.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VU025663.D (-310) (-)

Ion 95.90 (95.60 to 96.60): VU025663.D (-310) (-)

1.61

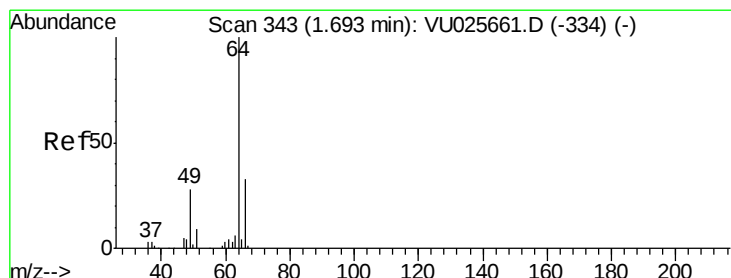
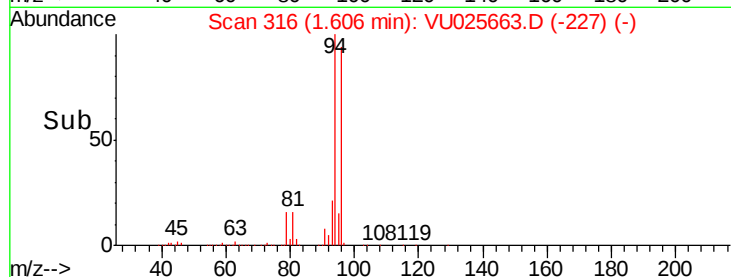
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 144.11 ug/l

RT: 1.68 min Scan# 338

Delta R.T. -0.02 min

Lab File: VU025663.D

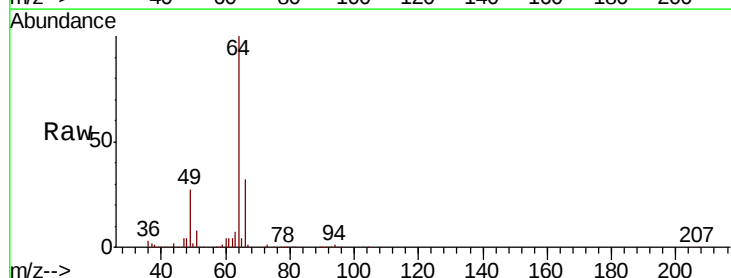
Acq: 27 Jul 2018 11:51

Tgt Ion: 64 Resp: 205302

Ion Ratio Lower Upper

64 100

66 31.9 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VU025663.D (-334) (-)

Ion 65.90 (65.60 to 66.60): VU025663.D (-334) (-)

1.68

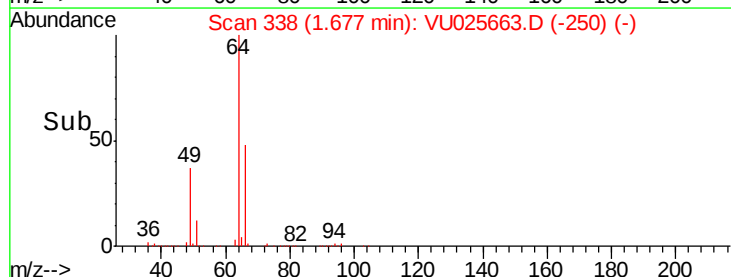
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Time-->





#7

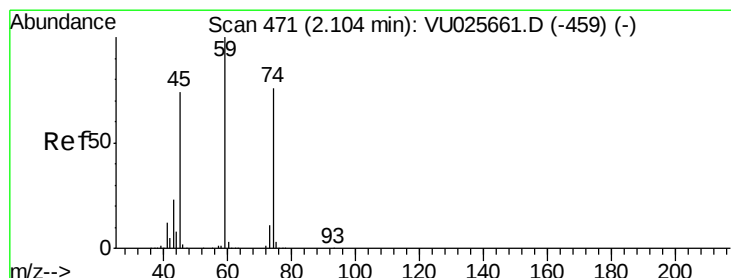
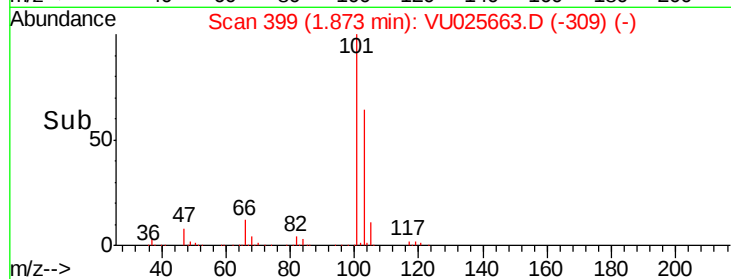
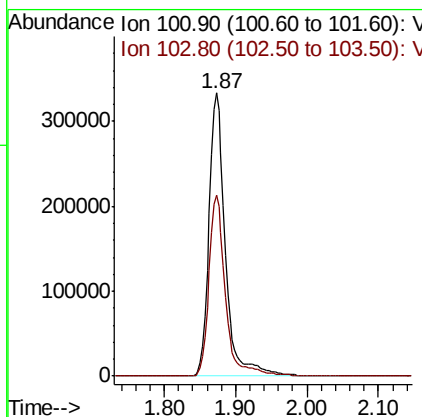
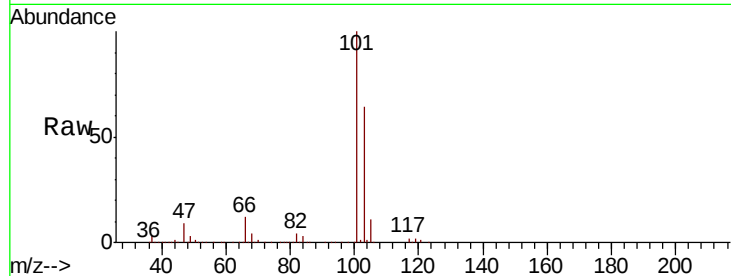
Trichlorofluoromethane
 Concen: 164.37 ug/l
 RT: 1.87 min Scan# 399
 Delta R.T. -0.01 min
 Lab File: VU025663.D
 Acq: 27 Jul 2018 11:51

Instrument :
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 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
101	100	528046		
103	64.0	52.2	78.2	

Manual Integrations
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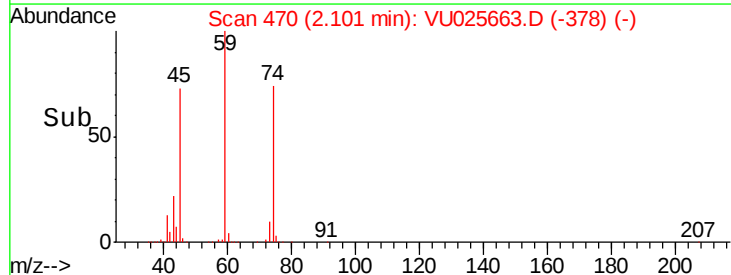
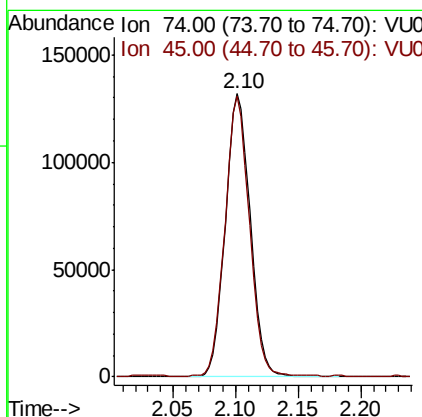
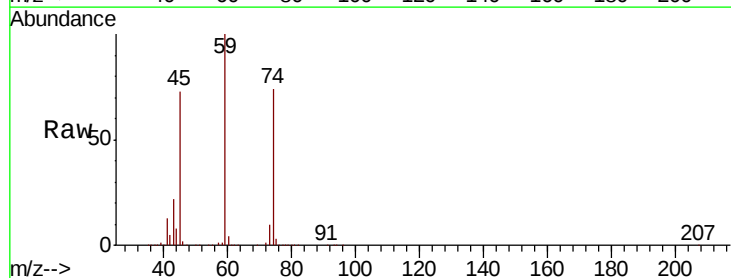
MMDadoda
 7/31/2018 3:48:18 PM

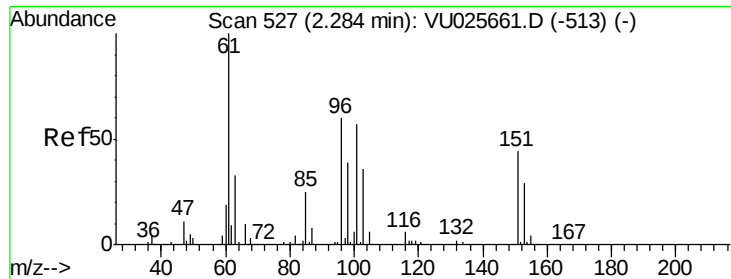


#8

Diethyl Ether
 Concen: 150.47 ug/l
 RT: 2.10 min Scan# 470
 Delta R.T. -0.00 min
 Lab File: VU025663.D
 Acq: 27 Jul 2018 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	181406		
45	96.6	48.3	144.9	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 149.92 ug/l

RT: 2.28 min Scan# 525

Delta R.T. -0.01 min

Lab File: VU025663.D

Acq: 27 Jul 2018 11:51

Instrument :

MSVOA_U

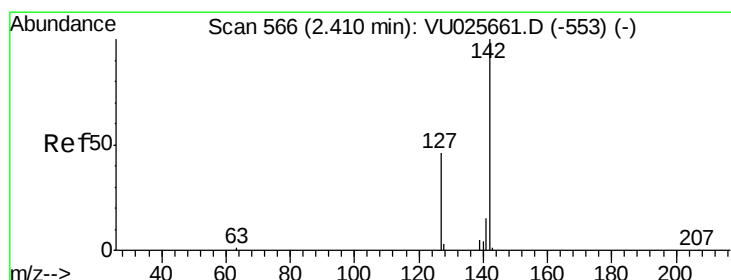
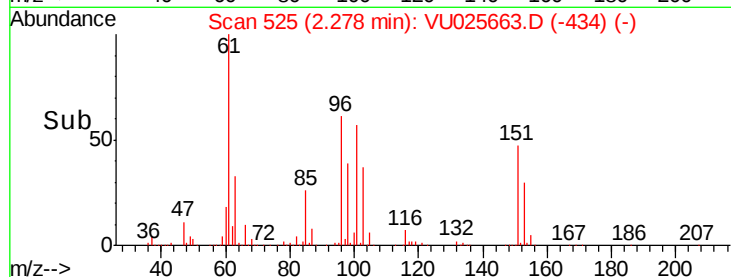
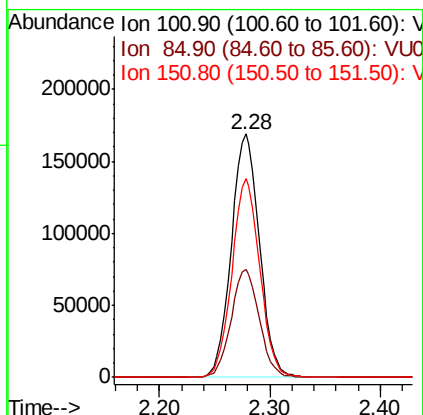
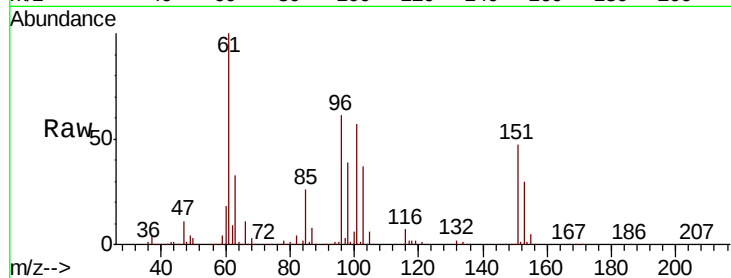
ClientSampleId :

VSTDIC150

Tot Ion	101	Resp	298479
Ion	Ratio	Lower	Upper
101	100		
85	44.2	36.0	54.0
151	80.8	65.6	98.4

Manual Integrations
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#10

Methyl Iodide

Concen: 172.08 ug/l

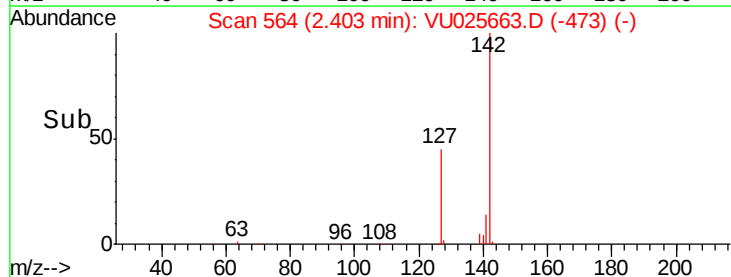
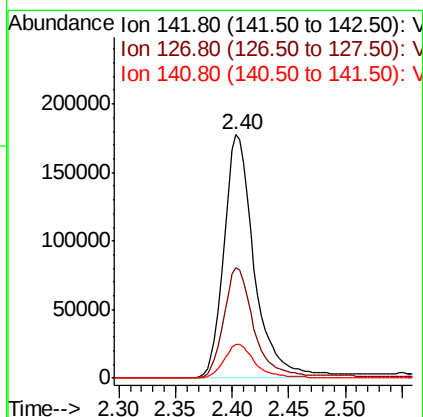
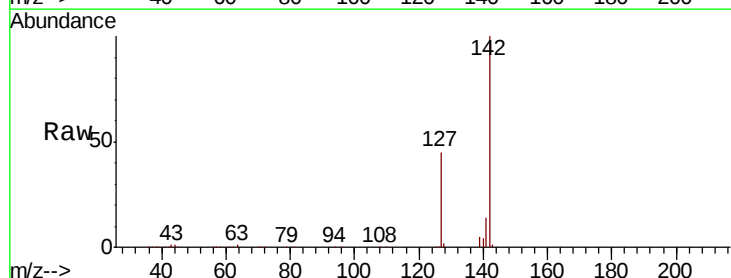
RT: 2.40 min Scan# 564

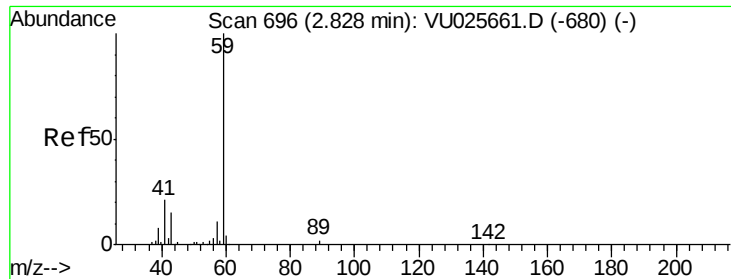
Delta R.T. -0.01 min

Lab File: VU025663.D

Acq: 27 Jul 2018 11:51

Tgt Ion	142	Resp	334462
Ion	Ratio	Lower	Upper
142	100		
127	45.3	36.5	54.7
141	14.3	11.4	17.2





#11

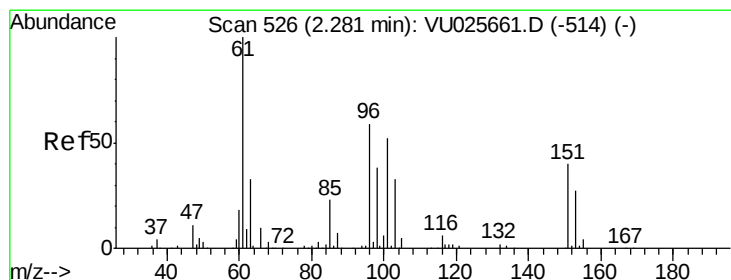
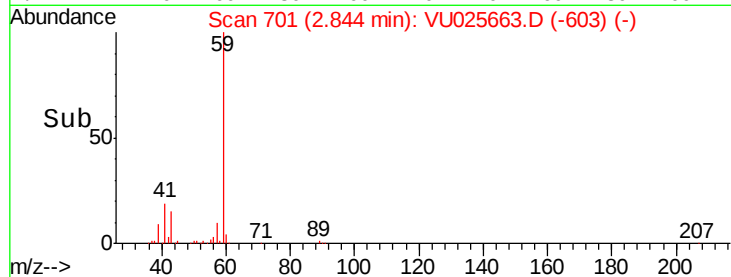
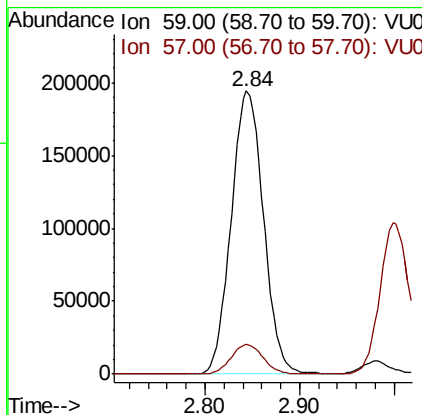
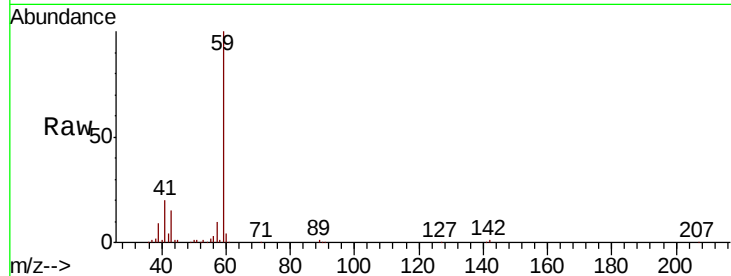
Tert butyl alcohol
 Concen: 758.40 ug/l
 RT: 2.84 min Scan# 701
 Delta R.T. 0.02 min
 Lab File: VU025663.D
 Acq: 27 Jul 2018 11:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.2

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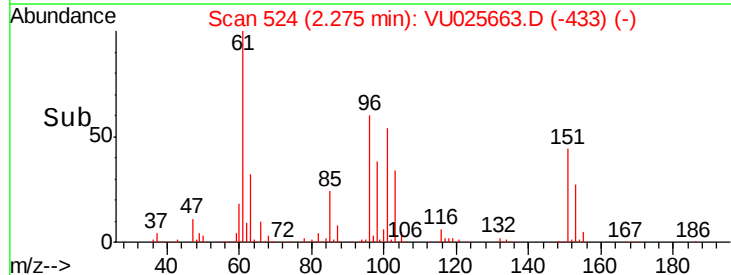
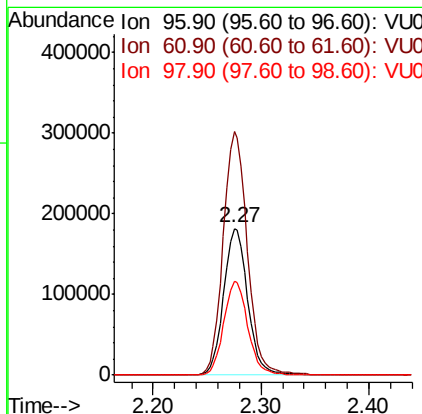
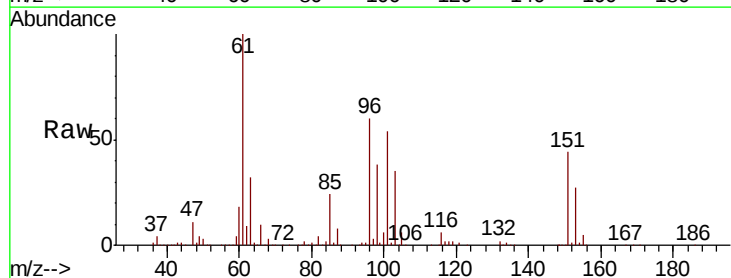
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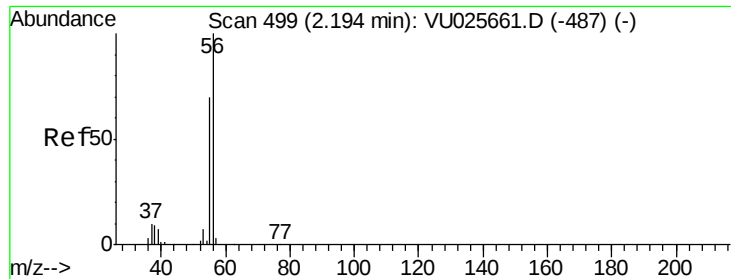


#12

1,1-Dichloroethene
 Concen: 154.67 ug/l
 RT: 2.27 min Scan# 524
 Delta R.T. -0.01 min
 Lab File: VU025663.D
 Acq: 27 Jul 2018 11:51

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.9	140.2	210.4
98	63.7	49.3	73.9





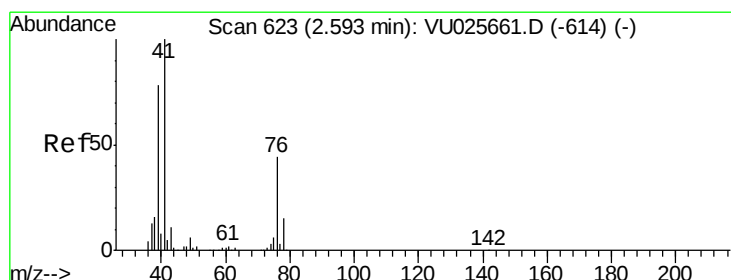
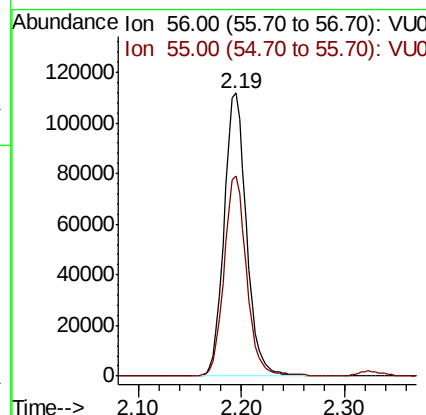
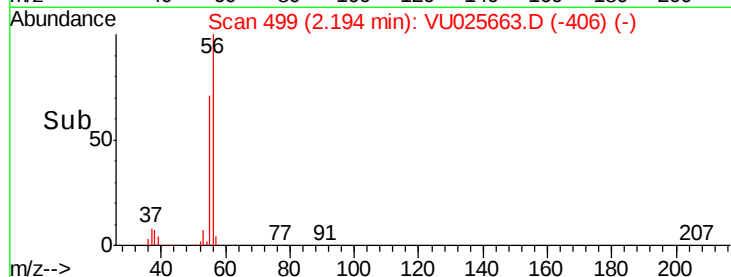
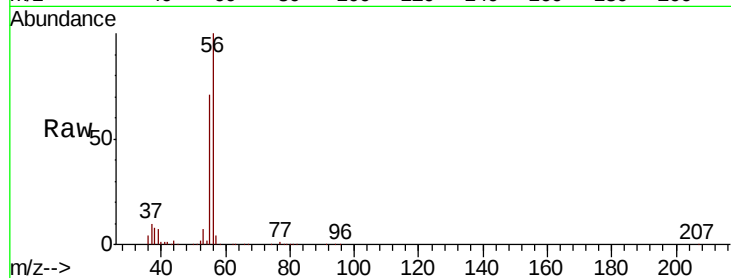
#13
Acrolein
Concen: 419.84 ug/l
RT: 2.19 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU025663.D
Acq: 27 Jul 2018 11:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.5	57.2	85.8

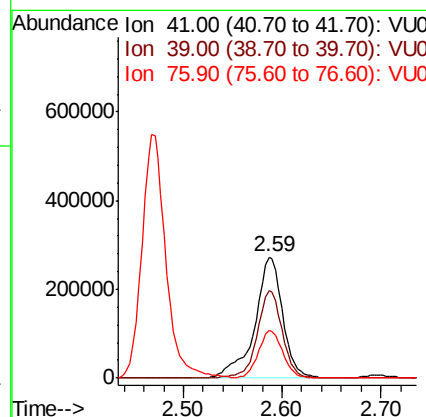
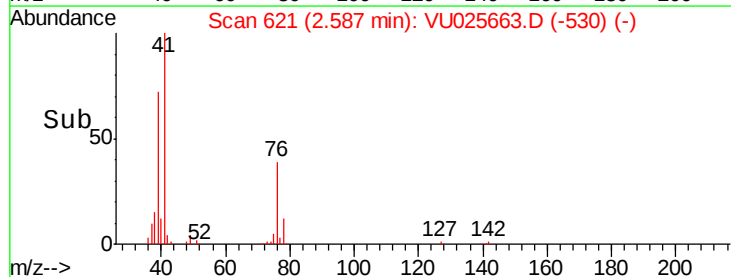
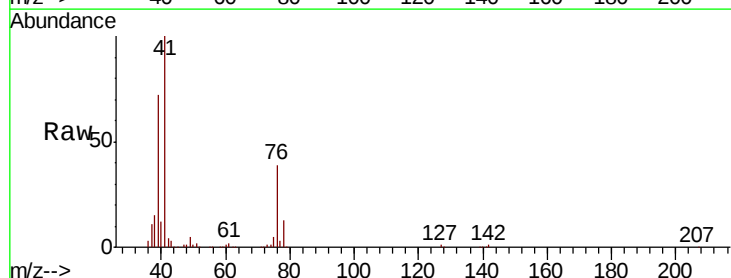
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#14
Allyl chloride
Concen: 161.09 ug/l
RT: 2.59 min Scan# 621
Delta R.T. -0.01 min
Lab File: VU025663.D
Acq: 27 Jul 2018 11:51

Tgt Ion	Ratio	Lower	Upper
41	100		
39	64.3	60.6	91.0
76	34.0	30.5	45.7





#15

Acrylonitrile

Concen: 763.65 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025663.D

Acq: 27 Jul 2018 11:51

Instrument :

MSVOA_U

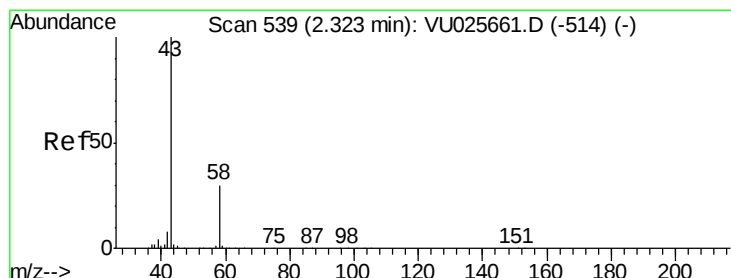
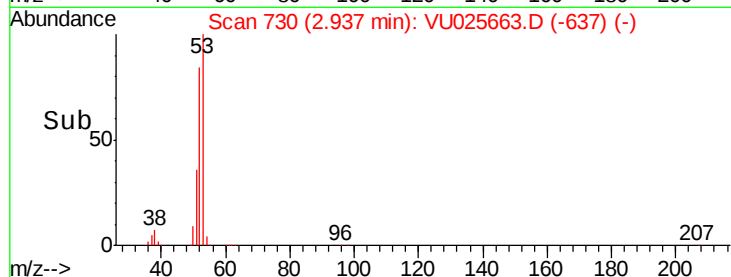
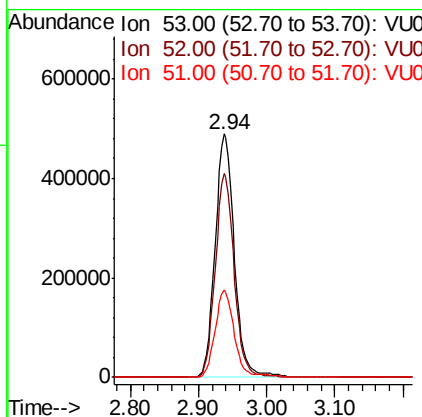
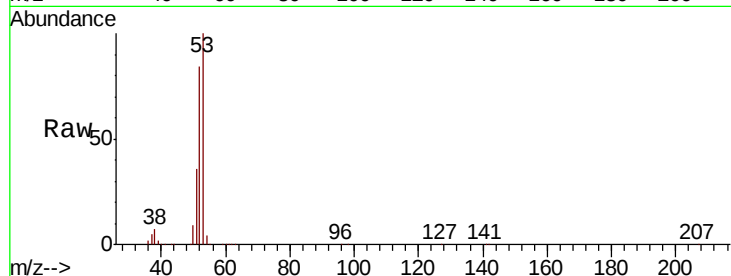
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	956474
Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.6	99.8
51	36.2	29.4	44.2

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#16

Acetone

Concen: 595.59 ug/l

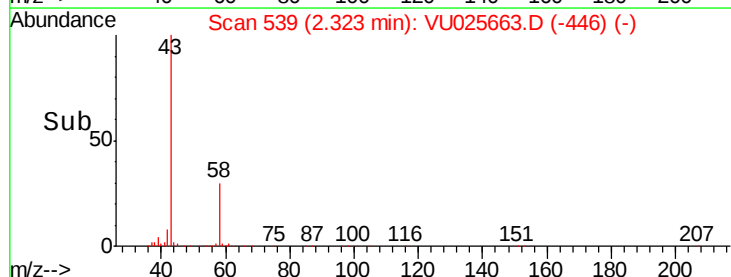
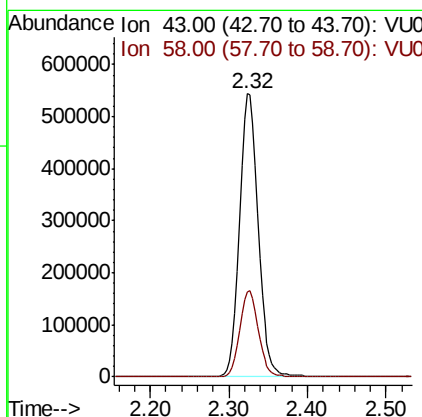
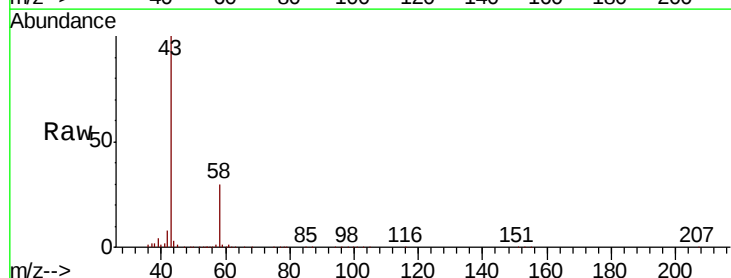
RT: 2.32 min Scan# 539

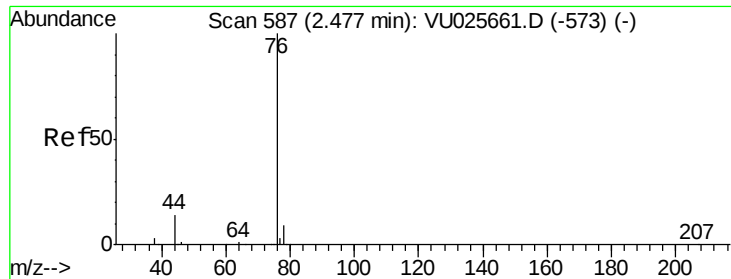
Delta R.T. 0.00 min

Lab File: VU025663.D

Acq: 27 Jul 2018 11:51

Tgt Ion:	43	Resp:	898146
Ion	Ratio	Lower	Upper
43	100		
58	30.2	23.1	34.7





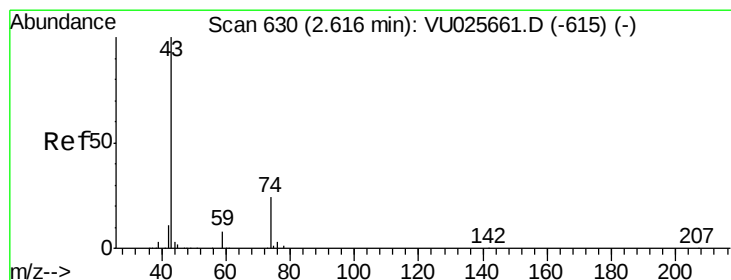
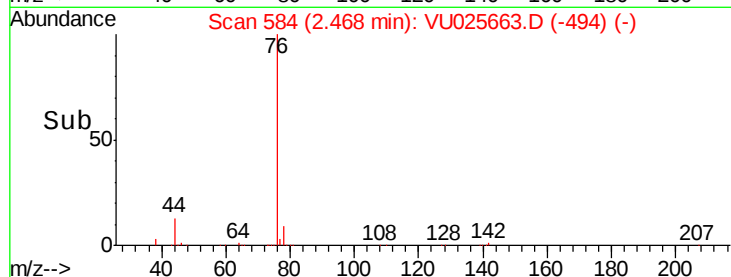
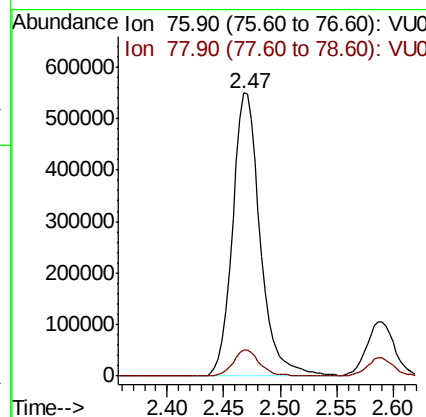
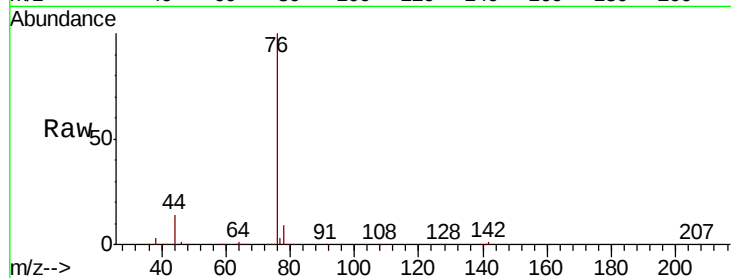
#17
Carbon Disulfide
Concen: 165.31 ug/l
RT: 2.47 min Scan# 584
Delta R.T. -0.01 min
Lab File: VU025663.D
Acq: 27 Jul 2018 11:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.2

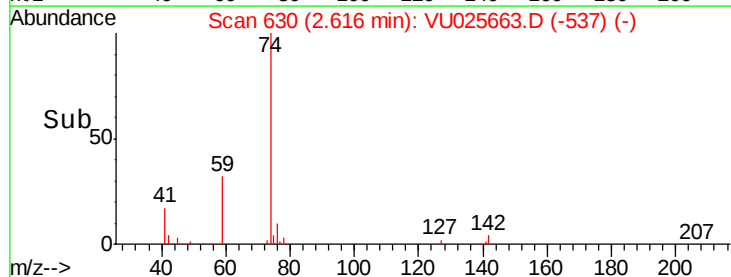
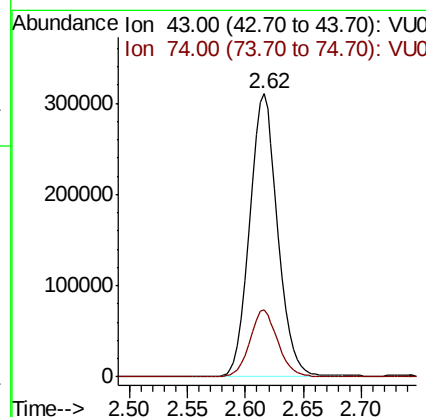
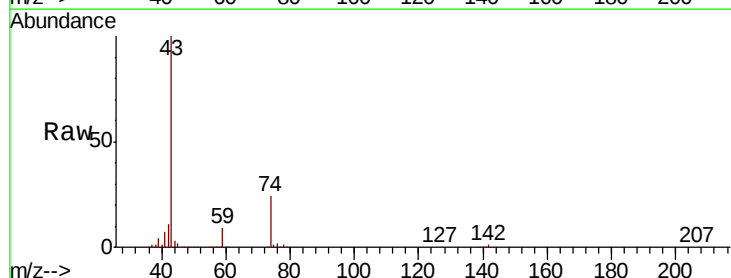
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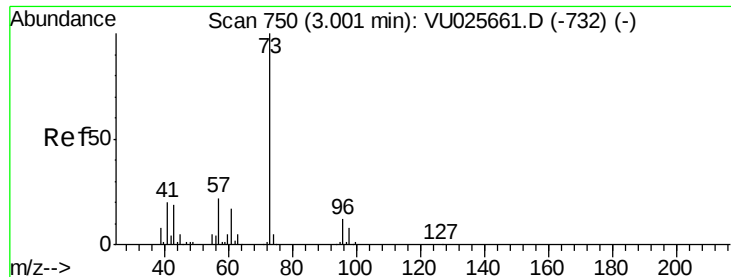
MMDadoda
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#18
Methyl Acetate
Concen: 182.77 ug/l
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU025663.D
Acq: 27 Jul 2018 11:51

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	18.5	27.7





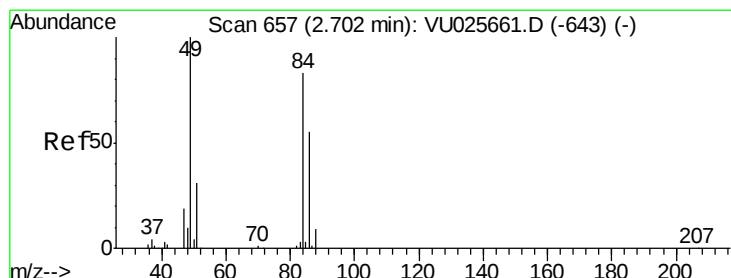
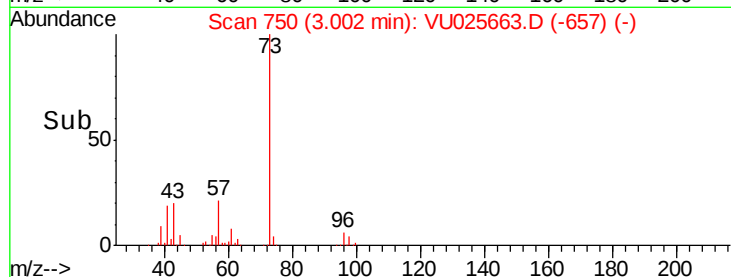
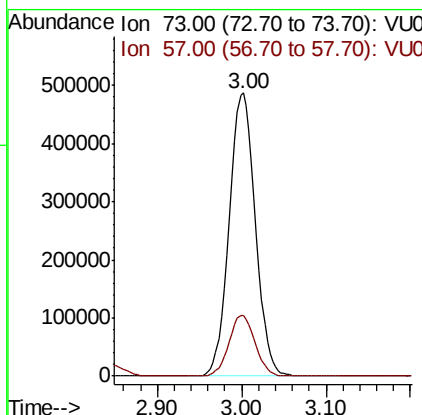
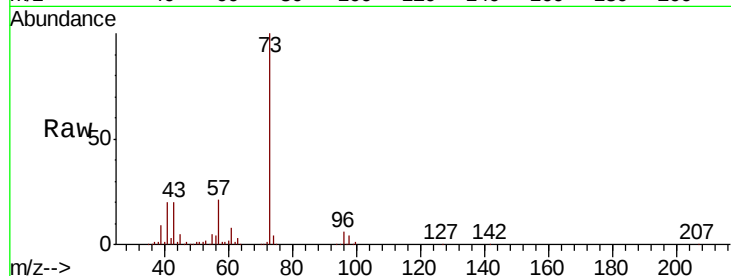
#19
Methyl tert-butyl Ether
Concen: 151.37 ug/l
RT: 3.00 min Scan# 750
Delta R.T. 0.00 min
Lab File: VU025663.D
Acq: 27 Jul 2018 11:51

Instrument :
MSVOA_U
ClientSampleID :
VSTDIC150

Tot Ion: 73 Resp: 1049038
Ion Ratio Lower Upper
73 100
57 21.2 17.4 26.2

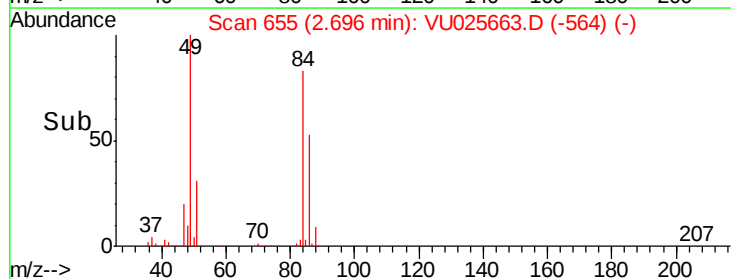
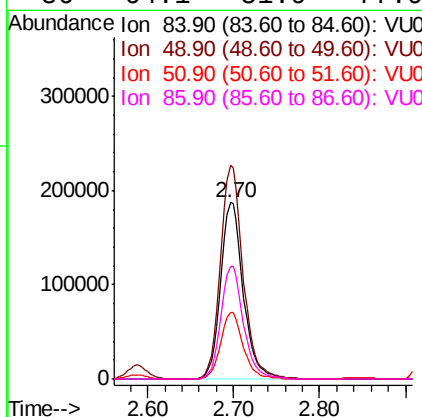
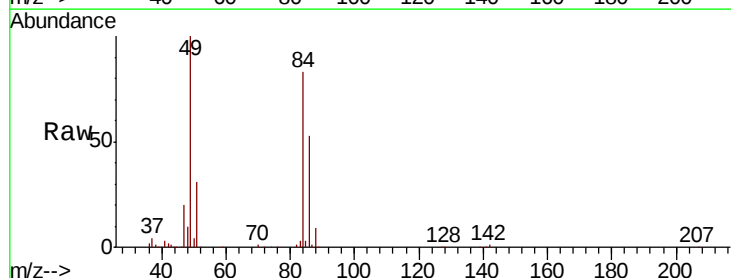
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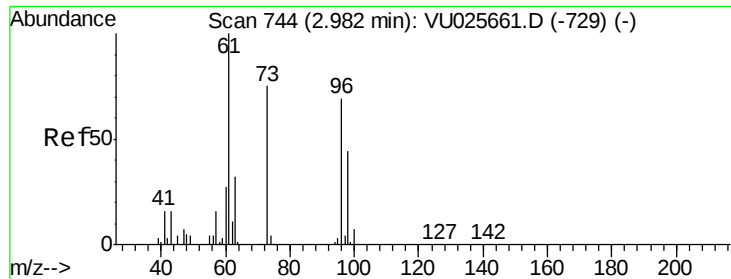
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#20
Methylene Chloride
Concen: 138.25 ug/l
RT: 2.70 min Scan# 655
Delta R.T. -0.01 min
Lab File: VU025663.D
Acq: 27 Jul 2018 11:51

Tgt Ion: 84 Resp: 342524
Ion Ratio Lower Upper
84 100
49 121.0 101.8 152.6
51 37.9 30.8 46.2
86 64.1 51.9 77.9





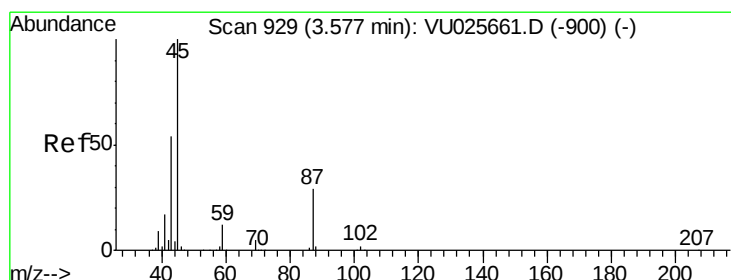
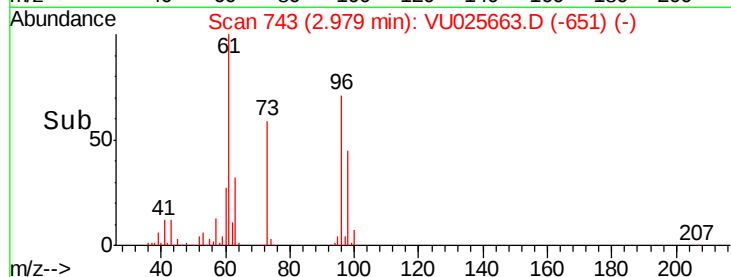
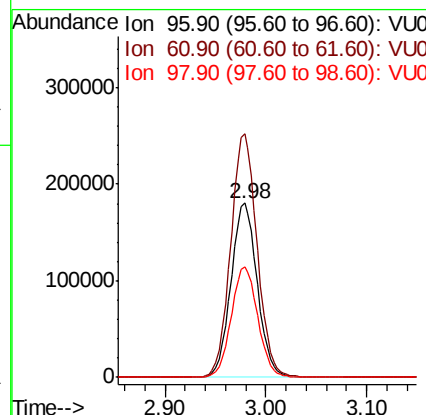
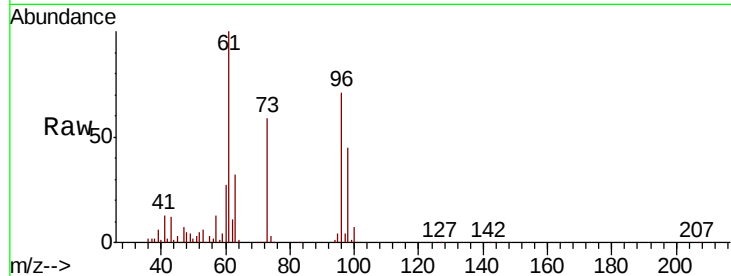
#21
trans-1,2-Dichloroethene
Concen: 157.59 ug/l
RT: 2.98 min Scan# 743
Delta R.T. -0.00 min
Lab File: VU025663.D
Acq: 27 Jul 2018 11:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.0	114.5	171.7
98	63.7	50.5	75.7

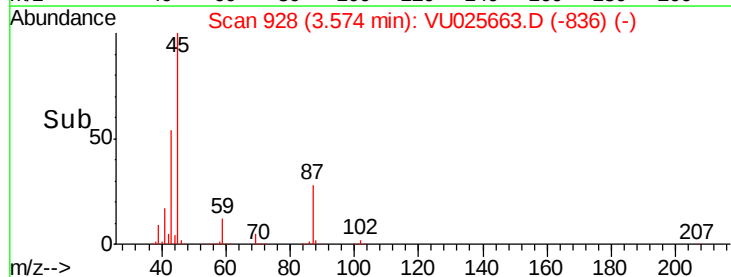
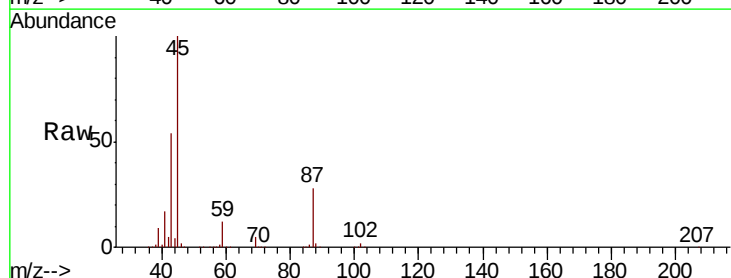
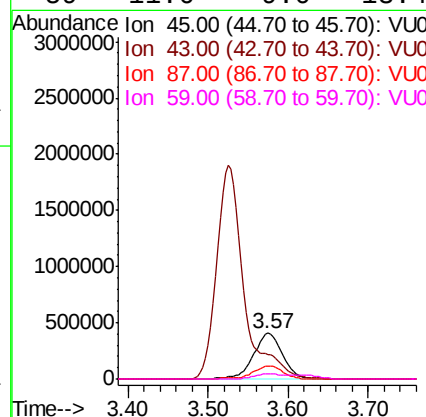
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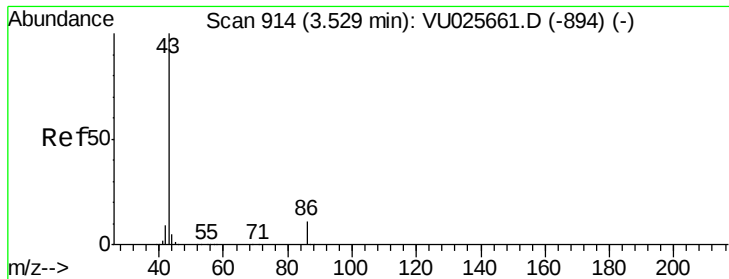
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#22
Diisopropyl ether
Concen: 149.56 ug/l
RT: 3.57 min Scan# 928
Delta R.T. -0.00 min
Lab File: VU025663.D
Acq: 27 Jul 2018 11:51

Tgt Ion	Ratio	Lower	Upper
45	100		
43	53.8	50.9	76.3
87	28.4	23.8	35.8
59	11.6	9.0	13.4





#23

Vinyl Acetate

Concen: 757.57 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU025663.D

Acq: 27 Jul 2018 11:51

Tot Ion: 43 Resp: 4484628

Ion Ratio Lower Upper

43 100

86 10.5 8.2 12.2

Instrument :

MSVOA_U

ClientSampleId :

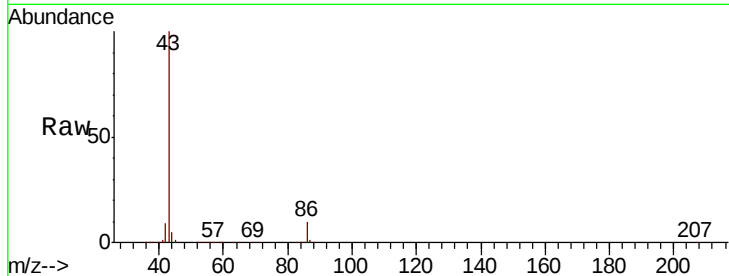
VSTDIC150

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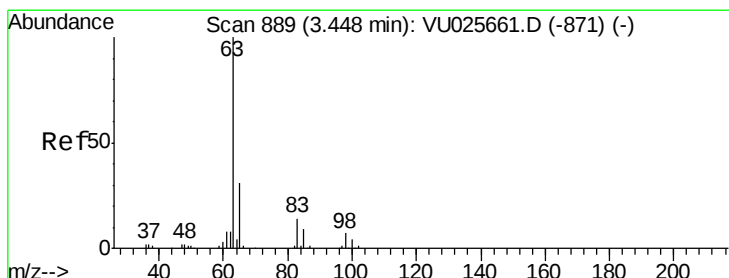
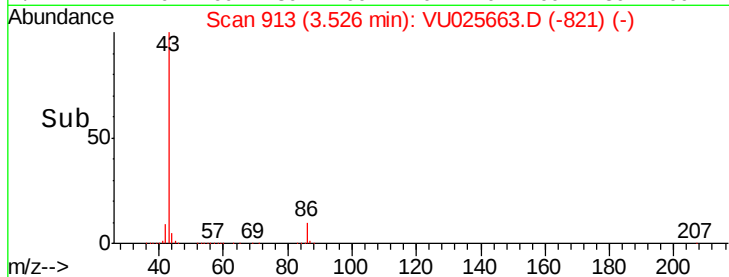
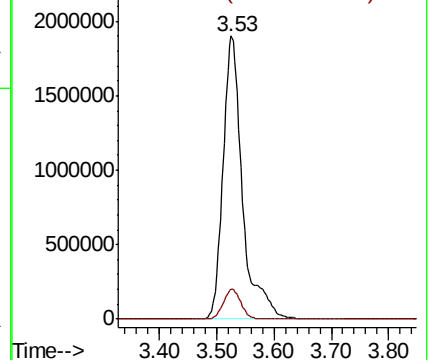
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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 157.89 ug/l

RT: 3.45 min Scan# 888

Delta R.T. -0.00 min

Lab File: VU025663.D

Acq: 27 Jul 2018 11:51

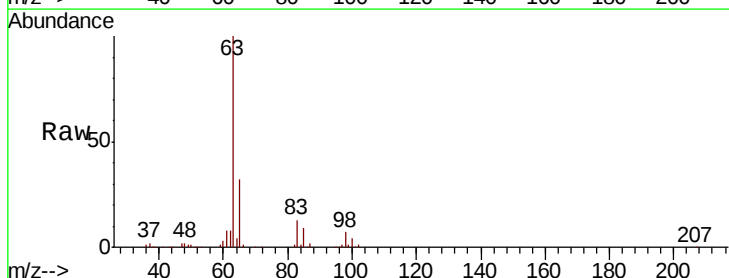
Tgt Ion: 63 Resp: 600907

Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.1

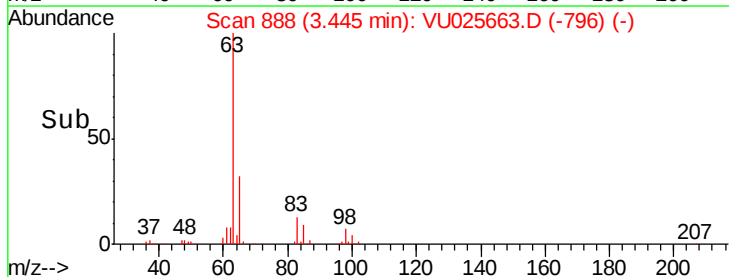
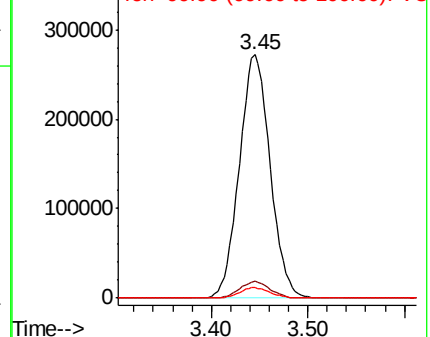
100 4.3 2.0 6.0

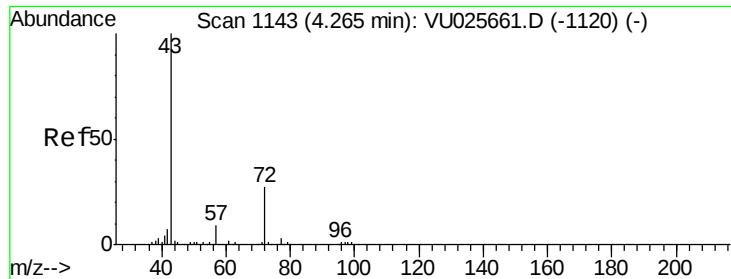


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





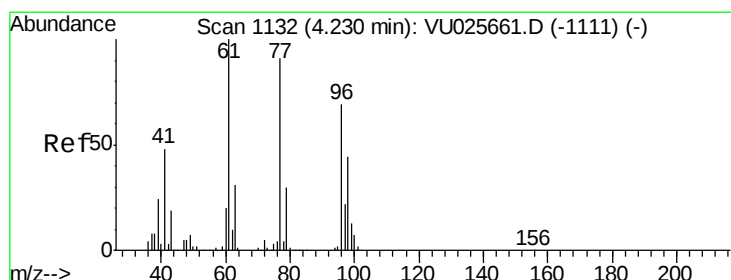
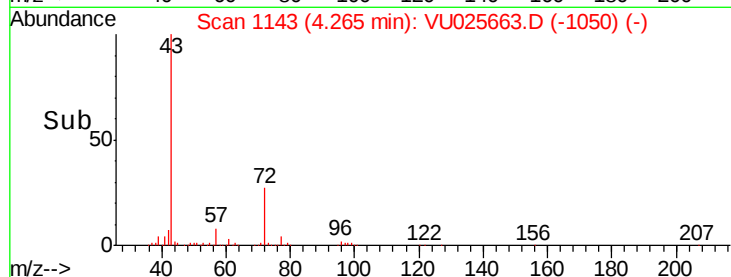
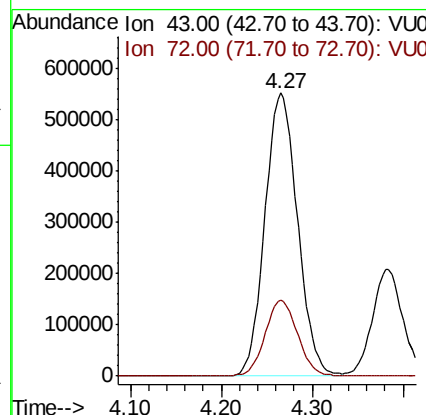
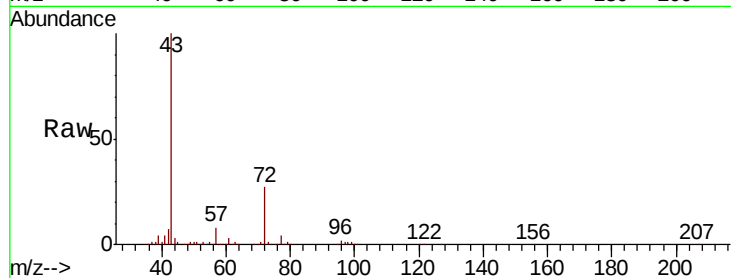
#25
2-Butanone
Concen: 709.21 ug/l
RT: 4.27 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VU025663.D
Acq: 27 Jul 2018 11:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1372761
Ion Ratio Lower Upper
43 100
72 26.9 21.0 31.4

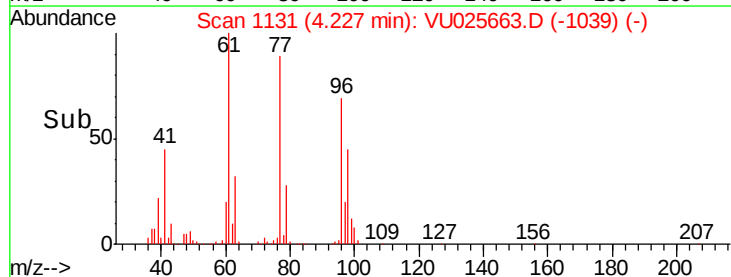
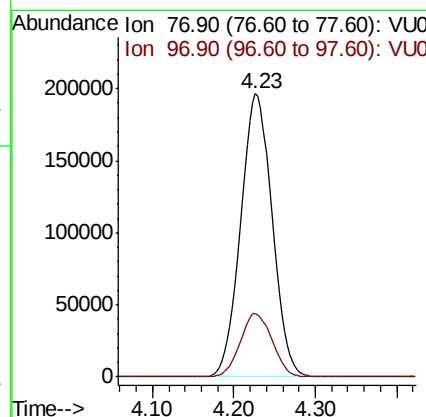
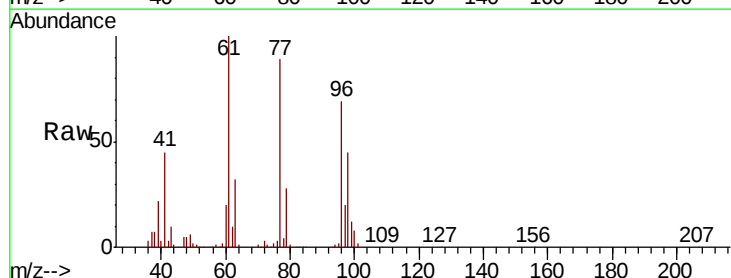
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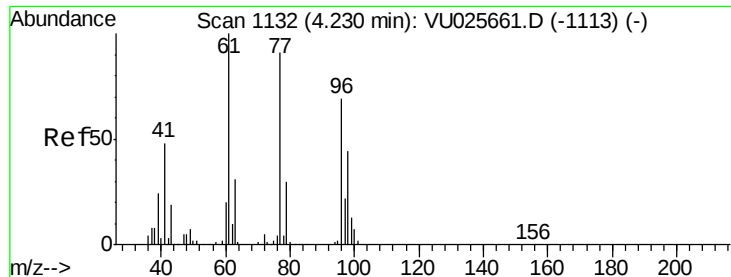
MMDadoda
7/31/2018 3:48:18 PM



#26
2,2-Dichloropropane
Concen: 143.44 ug/l
RT: 4.23 min Scan# 1131
Delta R.T. -0.00 min
Lab File: VU025663.D
Acq: 27 Jul 2018 11:51

Tgt Ion: 77 Resp: 524898
Ion Ratio Lower Upper
77 100
97 22.7 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 152.35 ug/l

RT: 4.23 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VU025663.D

Acq: 27 Jul 2018 11:51

Instrument :

MSVOA_U

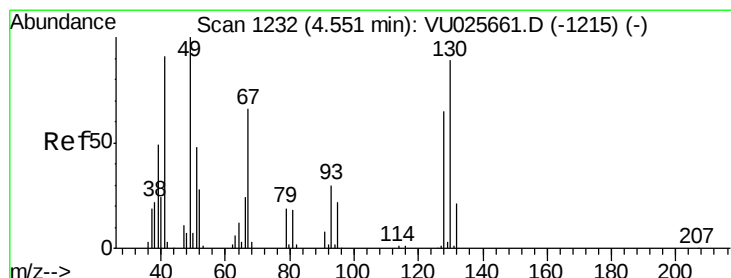
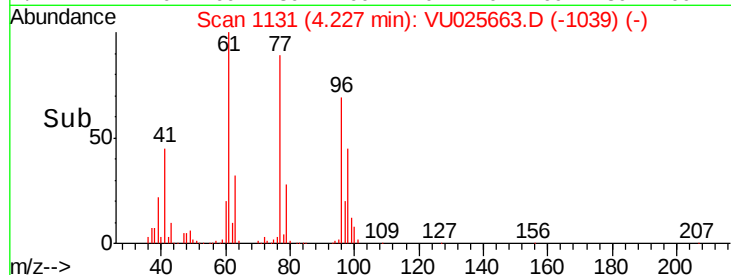
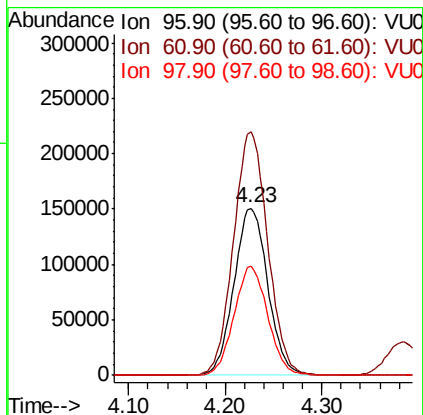
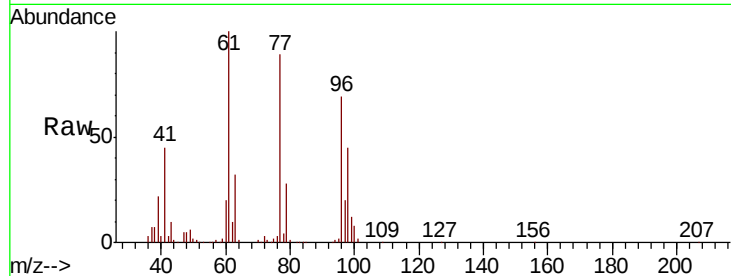
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	367041
Ion	Ratio	Lower	Upper
96	100		
61	147.2	0.0	299.8
98	64.8	0.0	128.6

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#28

Bromochloromethane

Concen: 138.91 ug/l

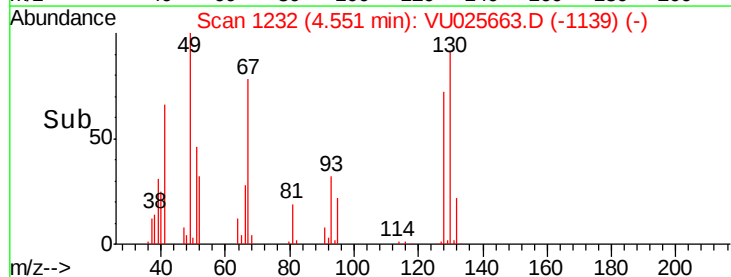
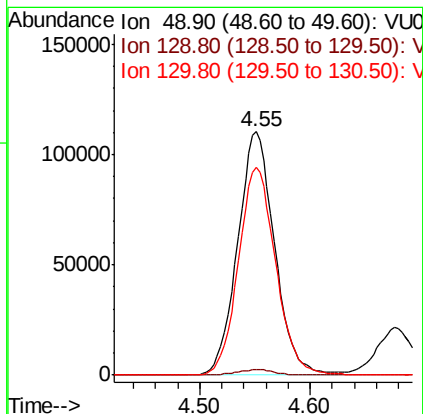
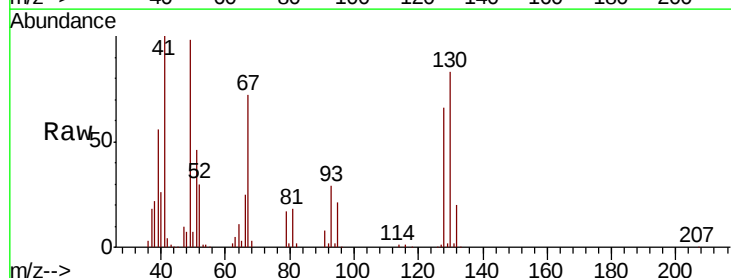
RT: 4.55 min Scan# 1232

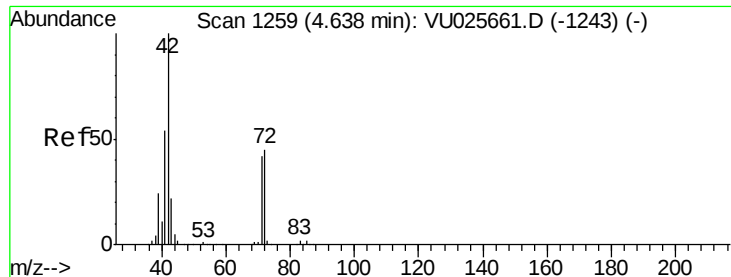
Delta R.T. 0.00 min

Lab File: VU025663.D

Acq: 27 Jul 2018 11:51

Tgt Ion:	49	Resp:	255291
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.6
130	86.6	68.6	102.8





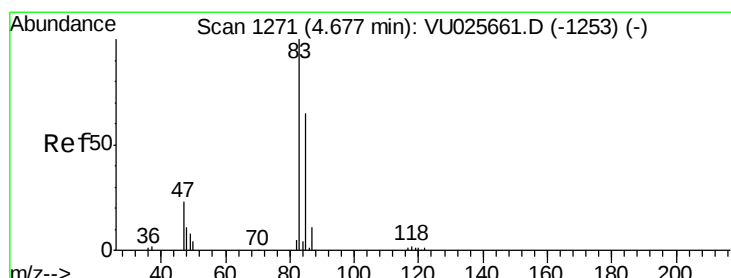
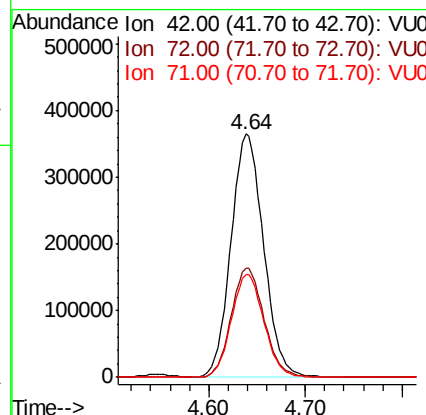
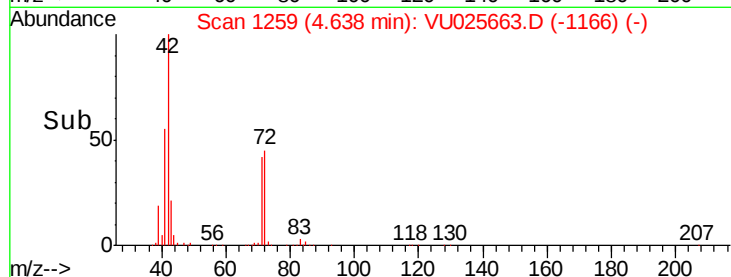
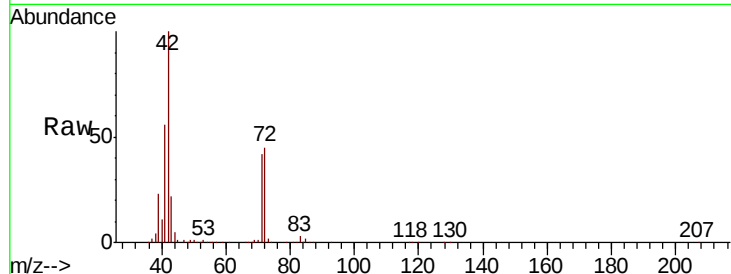
#29
Tetrahydrofuran
Concen: 732.55 ug/l
RT: 4.64 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VU025663.D
Acq: 27 Jul 2018 11:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.6	36.7	55.1
71	42.5	33.9	50.9

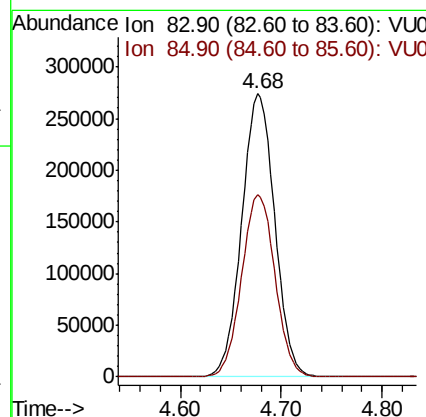
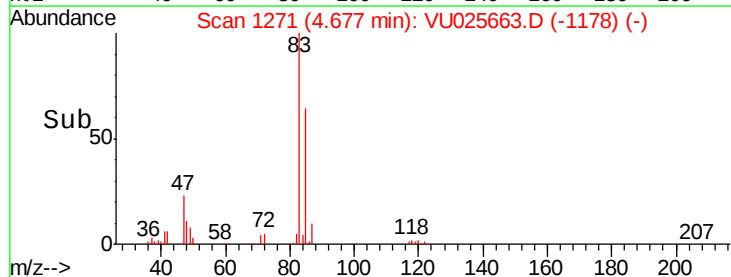
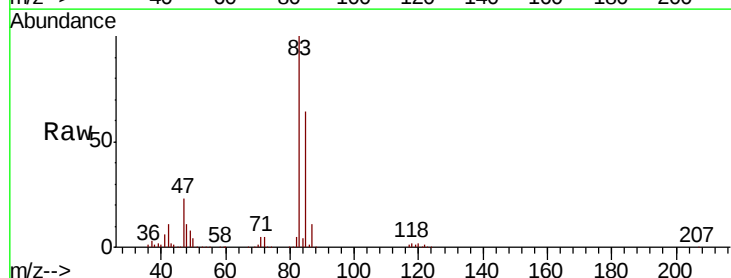
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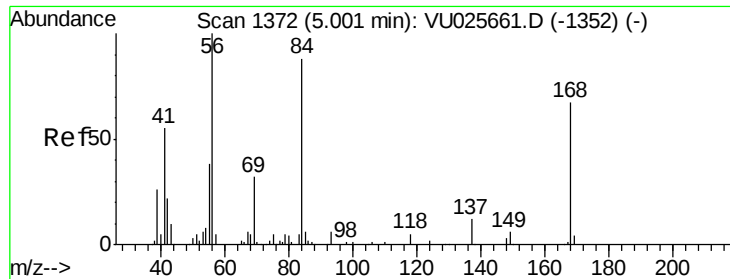
MMDadoda
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#30
Chloroform
Concen: 154.19 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU025663.D
Acq: 27 Jul 2018 11:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.5	77.3





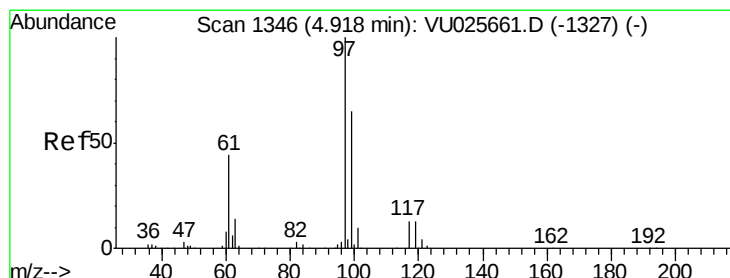
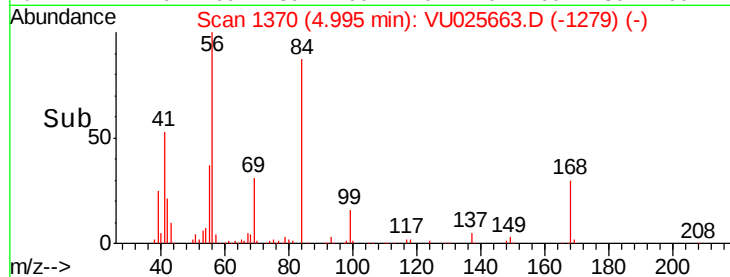
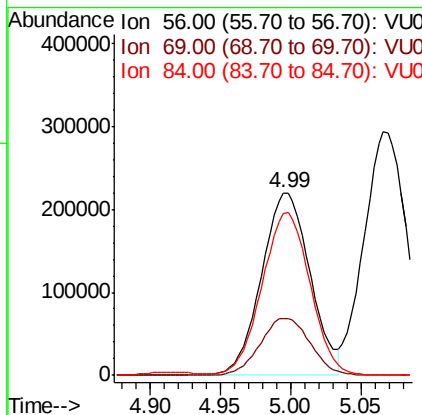
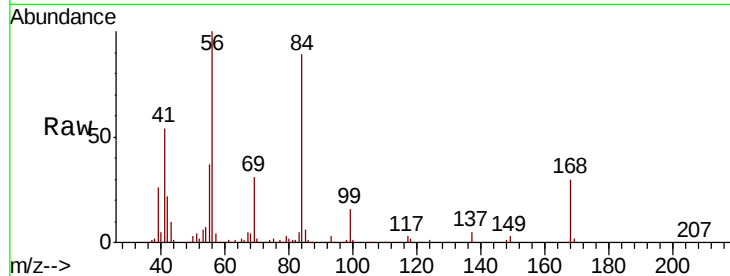
#31
Cyclohexane
Concen: 124.71 ug/l
RT: 4.99 min Scan# 1370
Delta R.T. -0.01 min
Lab File: VU025663.D
Acq: 27 Jul 2018 11:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.2	26.8	40.2
84	87.3	69.7	104.5

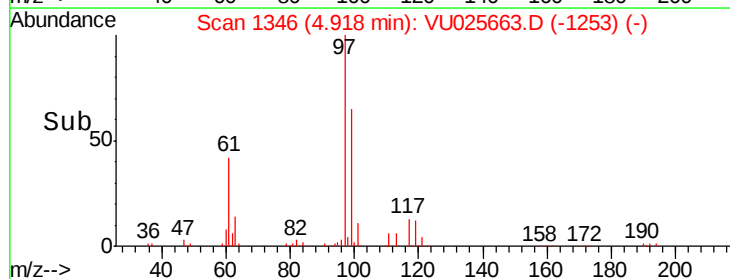
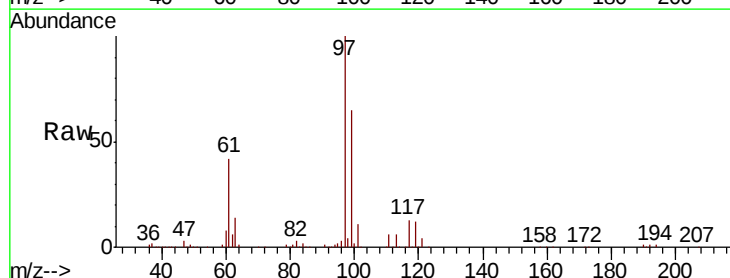
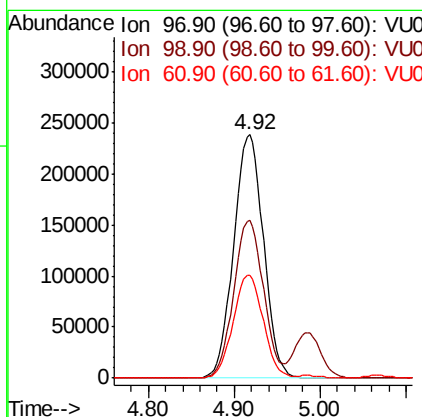
Manual Integrations
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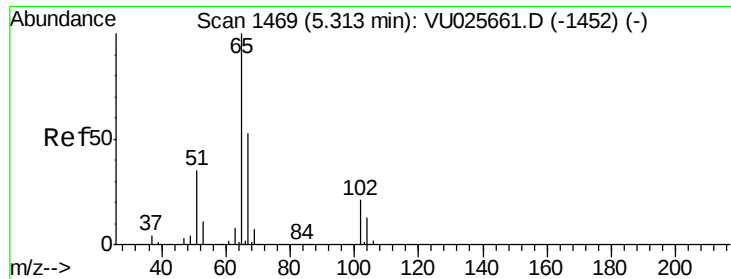
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 157.16 ug/l
RT: 4.92 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VU025663.D
Acq: 27 Jul 2018 11:51

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	50.8	76.2
61	42.8	35.2	52.8





#33

1,2-Dichloroethane-d4

Concen: 144.22 ug/l

RT: 5.31 min Scan# 1468

Delta R.T. -0.00 min

Lab File: VU025663.D

Acq: 27 Jul 2018 11:51

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 65 Resp: 402759

Ion Ratio Lower Upper

65 100

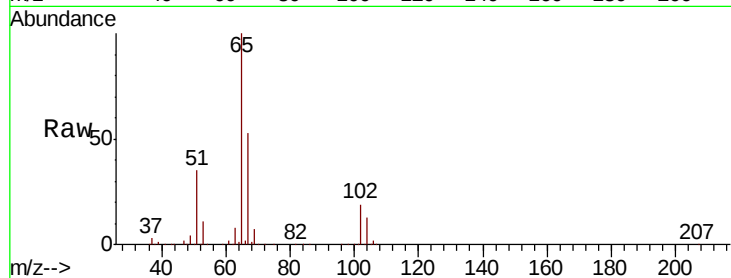
67 52.0 0.0 103.6

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VU025663.D (-1452) (-)

Ion 66.90 (66.60 to 67.60): VU025663.D (-1452) (-)

5.31

200000

150000

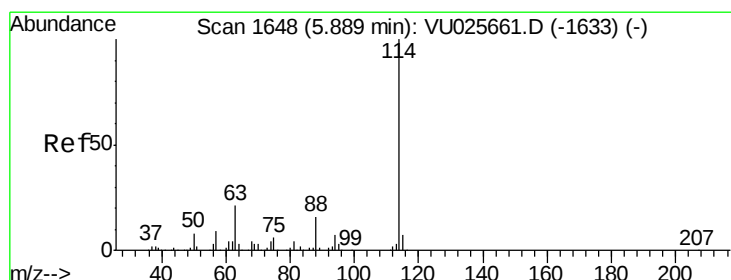
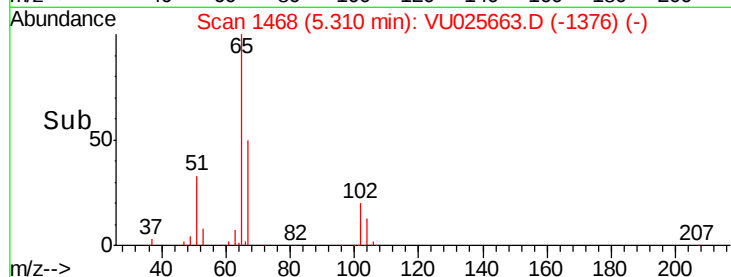
100000

50000

0

Time-->

5.20 5.25 5.30 5.35 5.40



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. 0.00 min

Lab File: VU025663.D

Acq: 27 Jul 2018 11:51

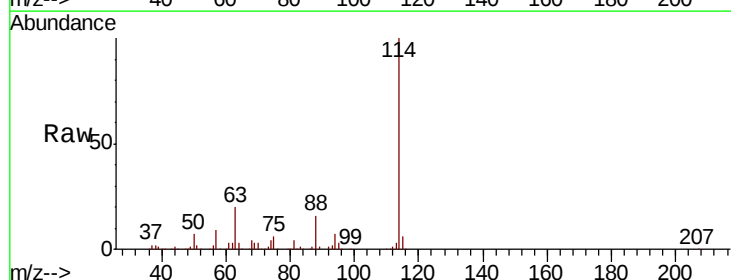
Tgt Ion: 114 Resp: 268004

Ion Ratio Lower Upper

114 100

63 20.4 0.0 41.6

88 16.0 0.0 32.4



Abundance Ion 113.90 (113.60 to 114.60): VU025663.D (-1633) (-)

Ion 63.00 (62.70 to 63.70): VU025663.D (-1633) (-)

Ion 87.90 (87.60 to 88.60): VU025663.D (-1633) (-)

5.89

150000

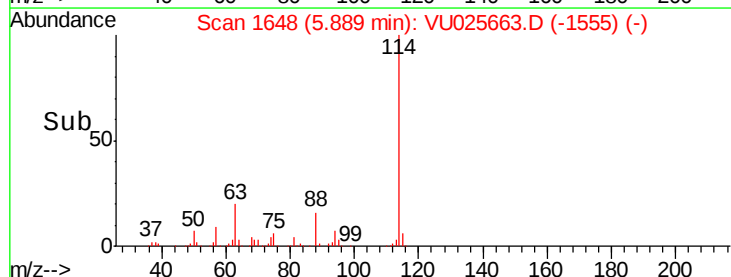
100000

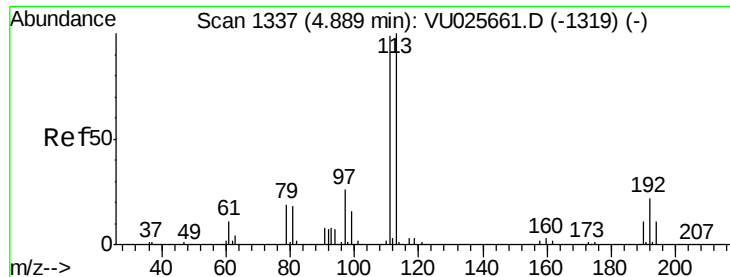
50000

0

Time-->

5.80 5.85 5.90 5.95 6.00





#35

Dibromofluoromethane

Concen: 149.08 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VU025663.D

Acq: 27 Jul 2018 11:51

Instrument :

MSVOA_U

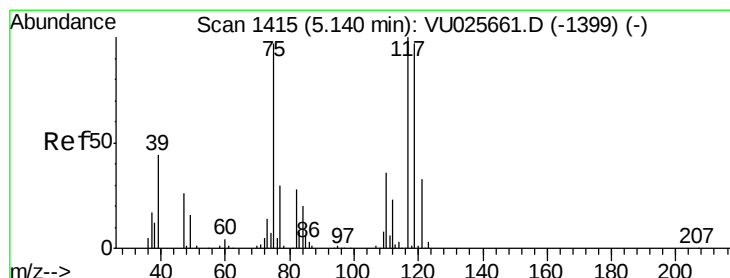
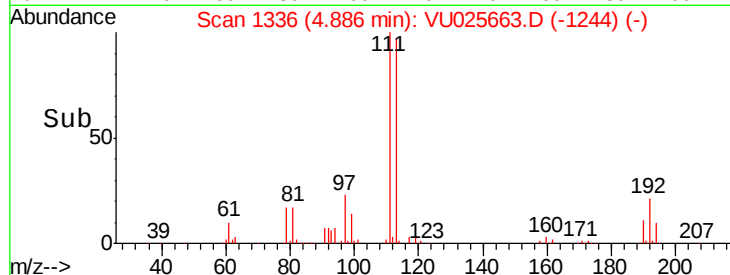
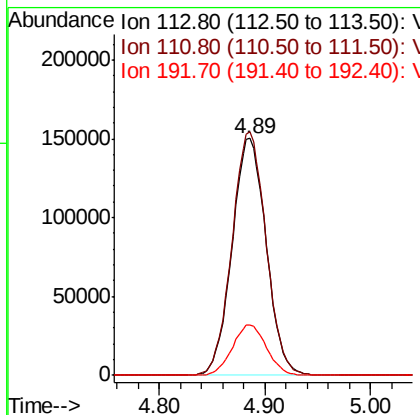
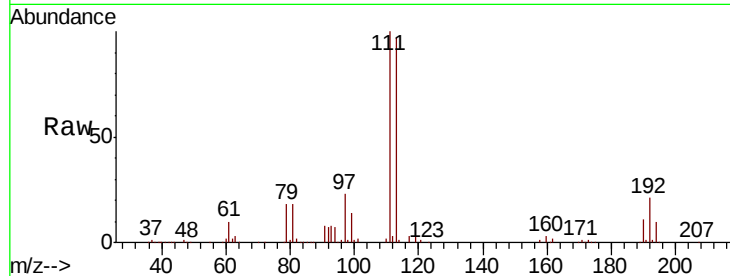
ClientSampleId :

VSTDIC150

Tot Ion:	113	Resp:	337052
Ion Ratio	Lower	Upper	
113	100		
111	102.3	81.7	122.5
192	21.3	17.1	25.7

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#36

1,1-Dichloropropene

Concen: 158.80 ug/l

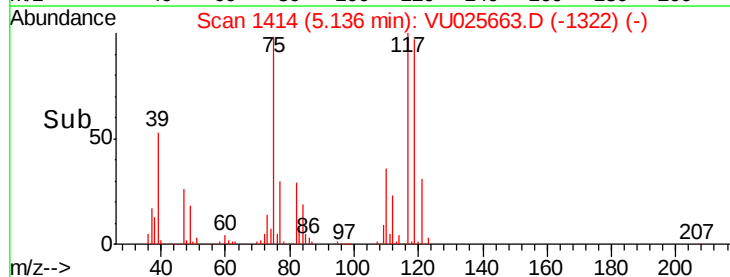
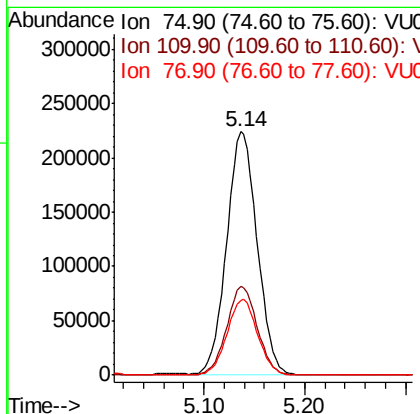
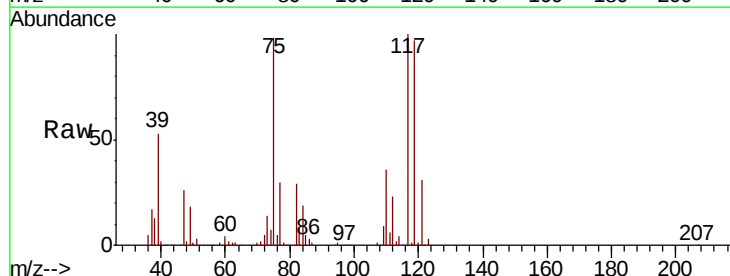
RT: 5.14 min Scan# 1414

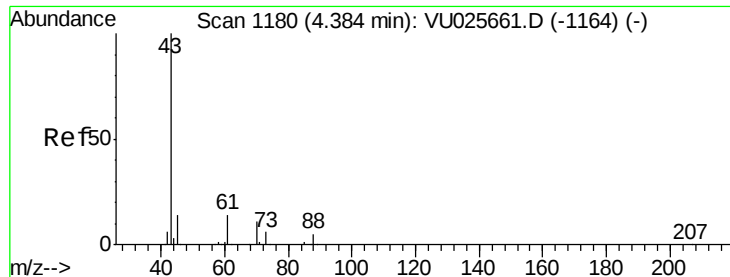
Delta R.T. -0.00 min

Lab File: VU025663.D

Acq: 27 Jul 2018 11:51

Tgt Ion:	75	Resp:	473156
Ion Ratio	Lower	Upper	
75	100		
110	36.4	17.6	52.9
77	31.1	24.4	36.6





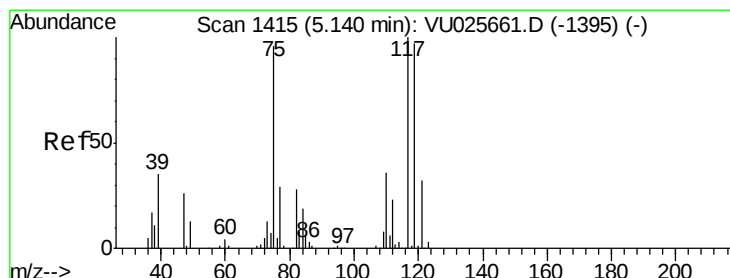
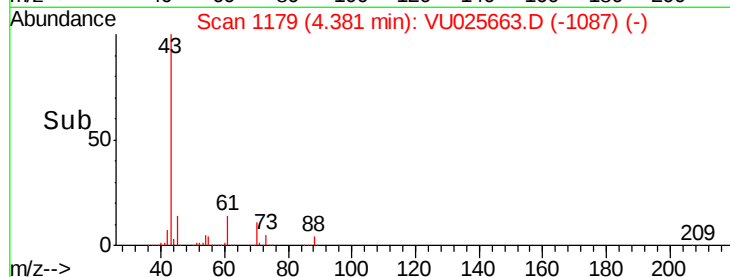
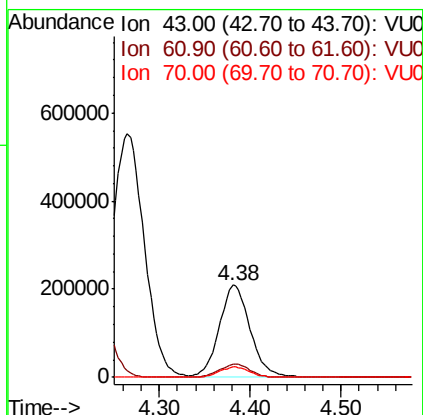
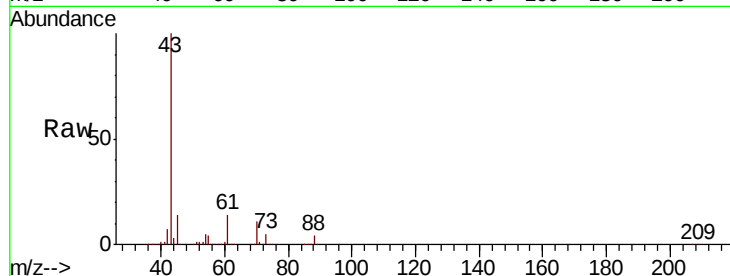
#37
Ethyl Acetate
Concen: 147.99 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU025663.D
Acq: 27 Jul 2018 11:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.7	16.1
70	10.8	8.4	12.6

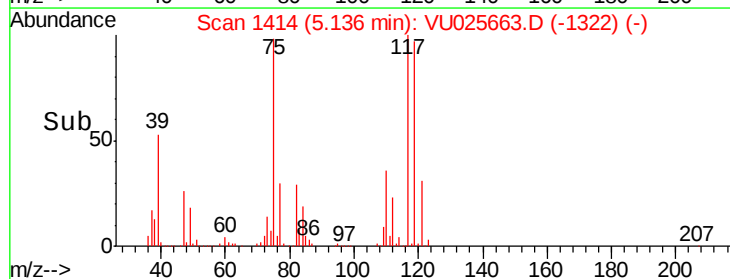
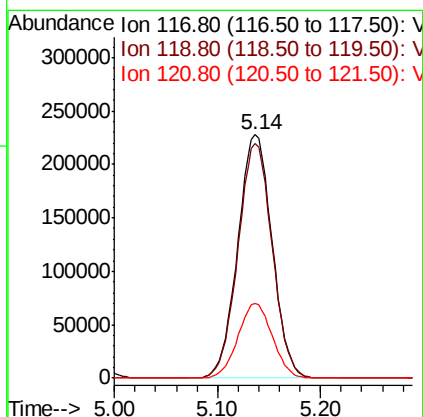
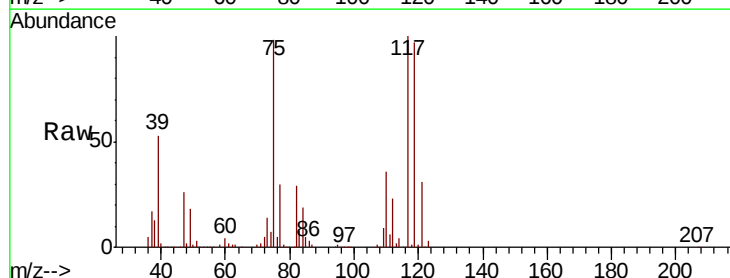
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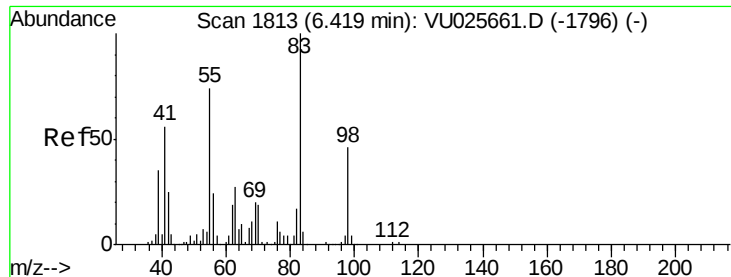
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#38
Carbon Tetrachloride
Concen: 164.22 ug/l
RT: 5.14 min Scan# 1414
Delta R.T. -0.00 min
Lab File: VU025663.D
Acq: 27 Jul 2018 11:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	75.7	113.5
121	30.8	24.6	36.8





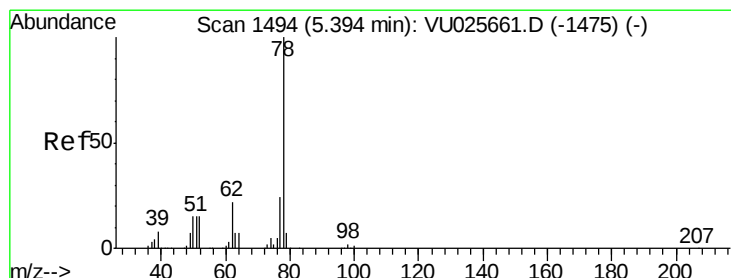
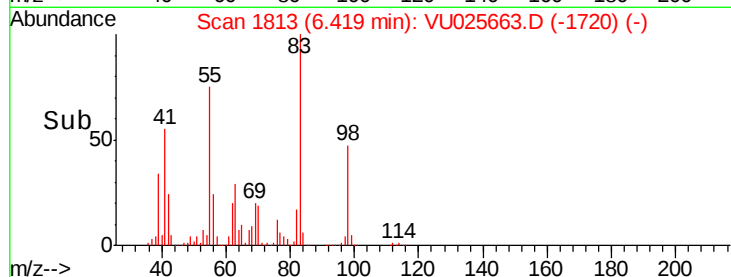
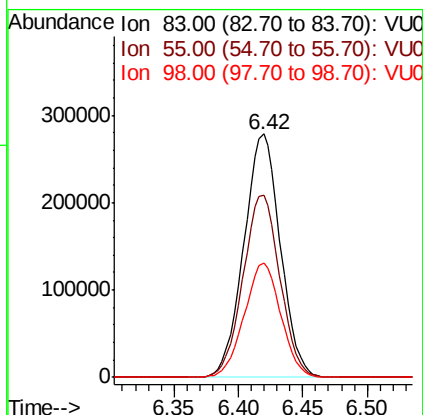
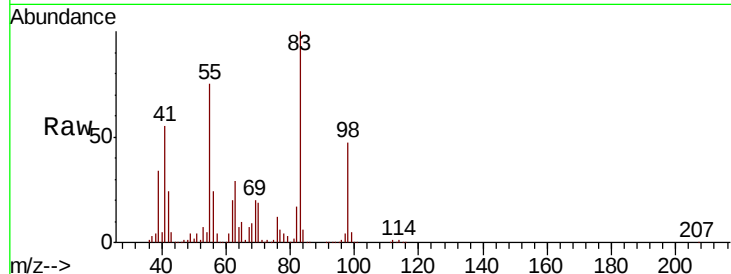
#39
Methylvlcyclohexane
Concen: 147.90 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025663.D
Acq: 27 Jul 2018 11:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.7	60.0	90.0
98	46.8	36.1	54.1

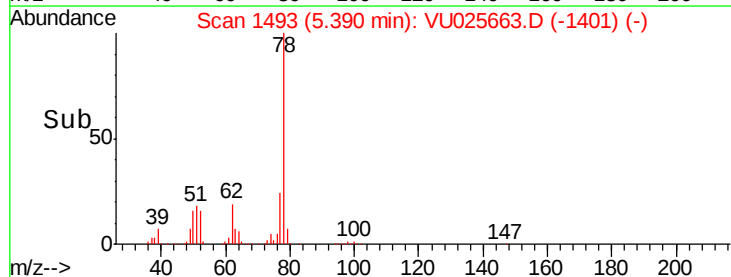
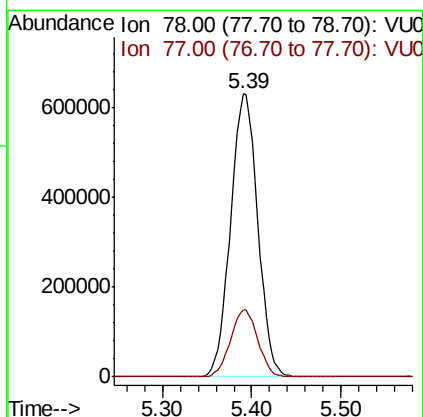
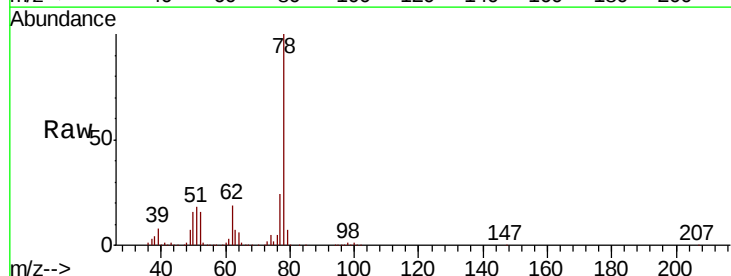
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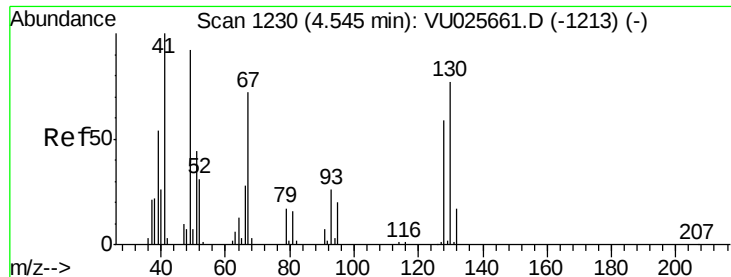
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#40
Benzene
Concen: 155.12 ug/l
RT: 5.39 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VU025663.D
Acq: 27 Jul 2018 11:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.8	29.6





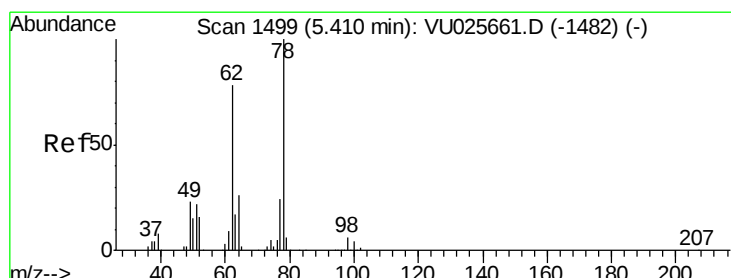
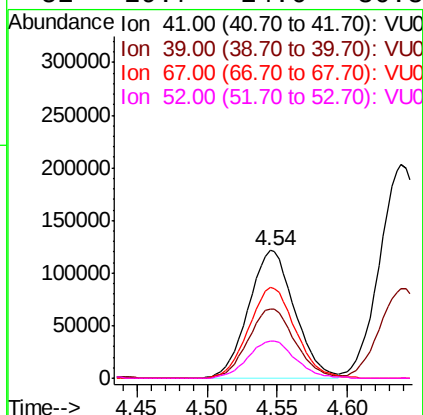
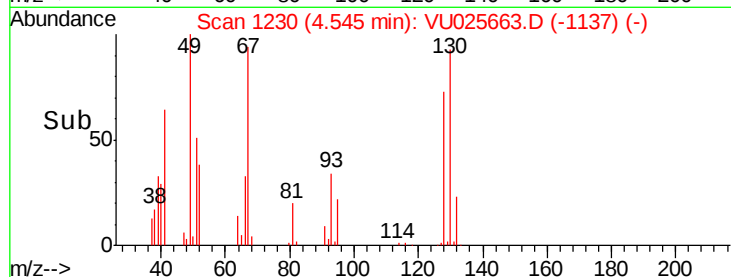
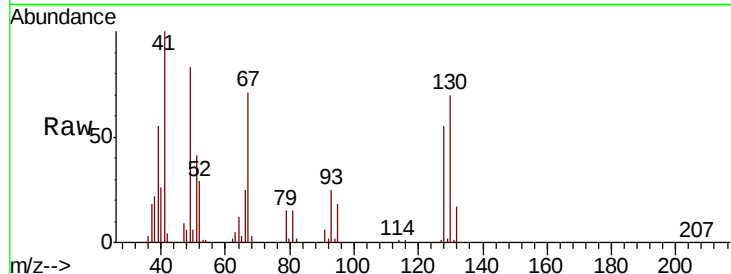
#41
Methacrylonitrile
Concen: 150.94 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU025663.D
Acq: 27 Jul 2018 11:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.1	44.4	66.6	
67	71.9	56.0	84.0	
52	29.7	24.6	36.8	

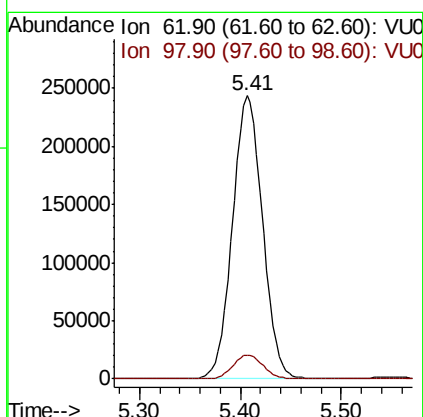
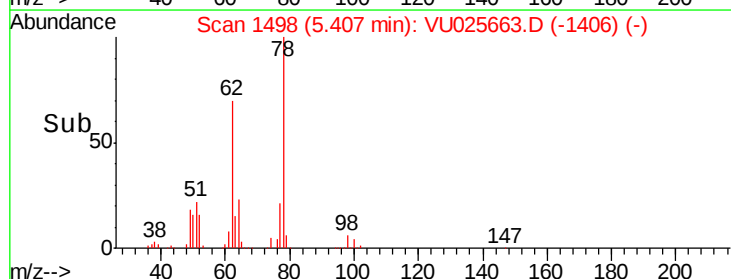
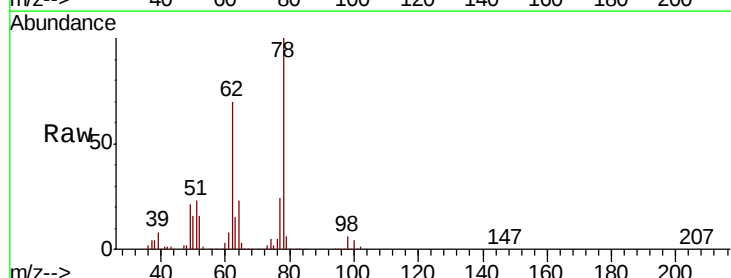
Manual Integrations
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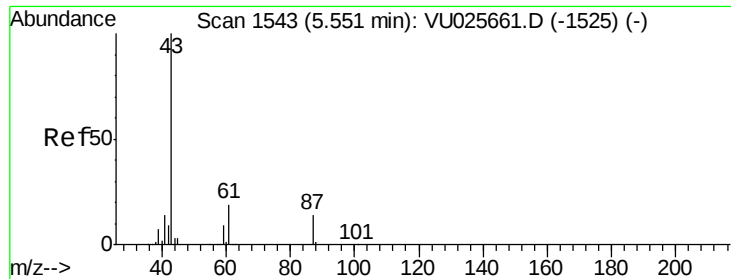
MMDadoda
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#42
1,2-Dichloroethane
Concen: 147.93 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU025663.D
Acq: 27 Jul 2018 11:51

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





#43

Isopropyl Acetate

Concen: 153.06 ug/l

RT: 5.55 min Scan# 1543

Delta R.T. 0.00 min

Lab File: VU025663.D

Acq: 27 Jul 2018 11:51

Instrument :

MSVOA_U

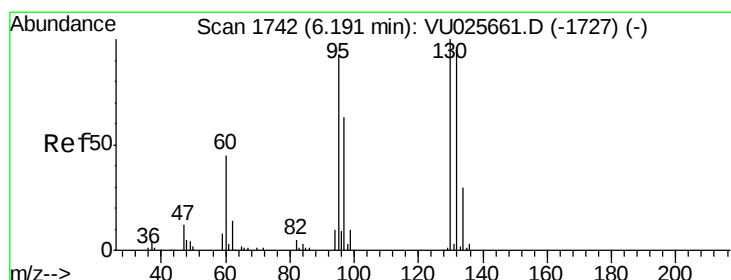
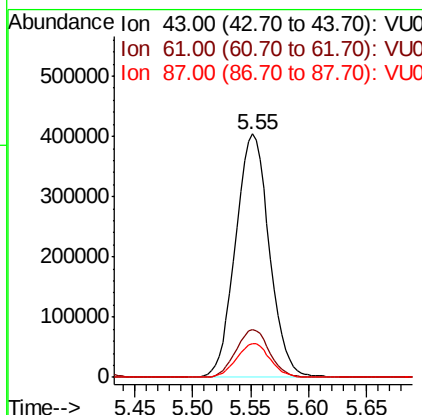
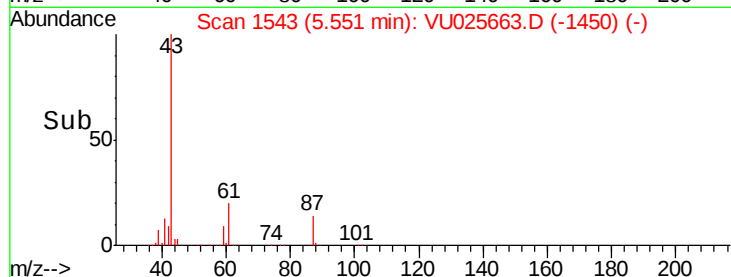
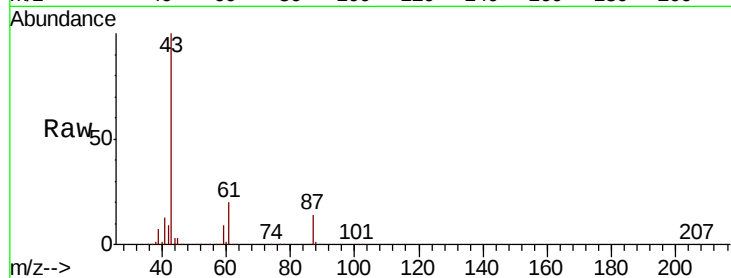
ClientSampleId :

VSTDIC150

Tot Ion:	43	Resp:	814431
Ion	Ratio	Lower	Upper
43	100		
61	19.7	15.5	23.3
87	13.9	10.6	16.0

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#44

Trichloroethene

Concen: 151.59 ug/l

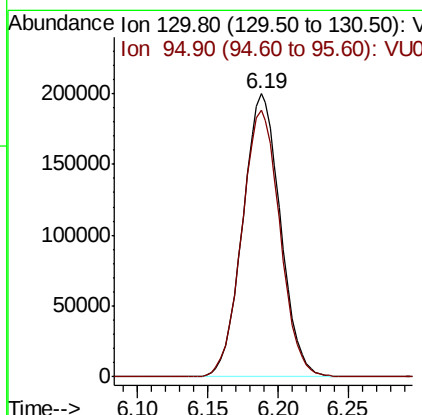
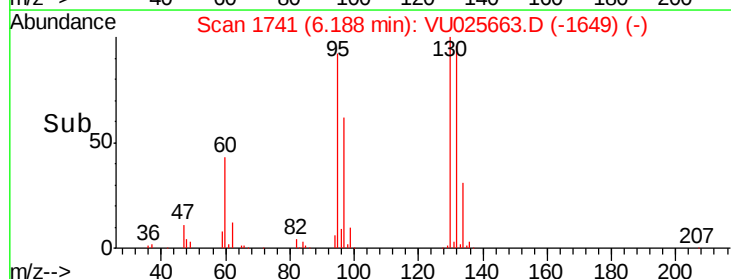
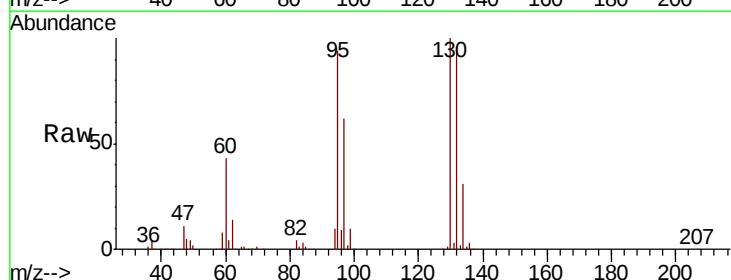
RT: 6.19 min Scan# 1741

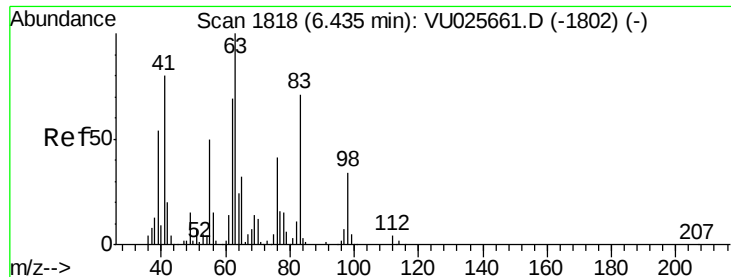
Delta R.T. -0.00 min

Lab File: VU025663.D

Acq: 27 Jul 2018 11:51

Tgt Ion:	130	Resp:	373741
Ion	Ratio	Lower	Upper
130	100		
95	94.1	0.0	192.2





#45

1,2-Dichloropropane

Concen: 155.53 ug/l

RT: 6.44 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VU025663.D

Acq: 27 Jul 2018 11:51

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 349776

Ion Ratio Lower Upper

63 100

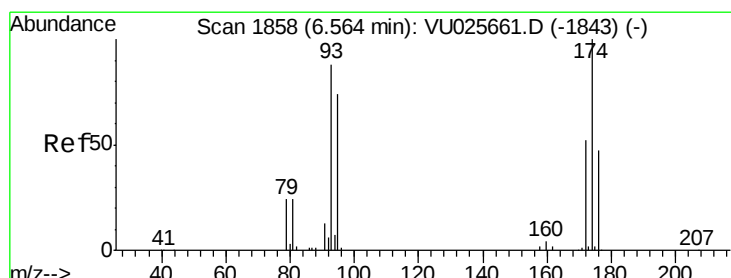
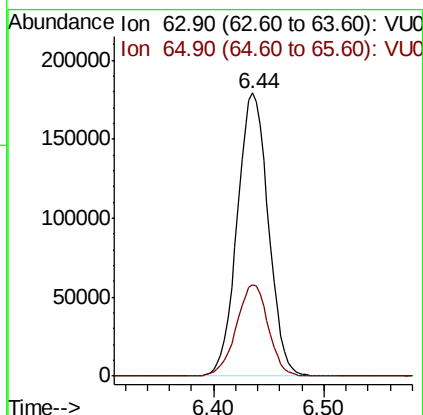
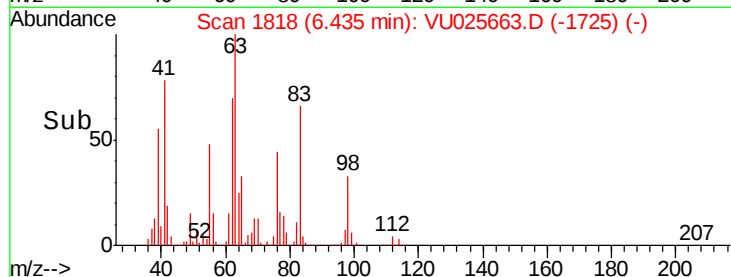
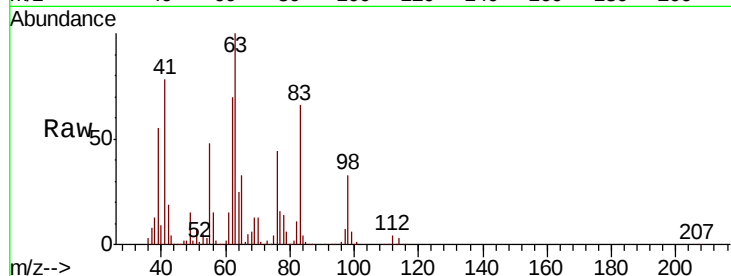
65 32.5 26.1 39.1

Manual Integrations

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#46

Dibromomethane

Concen: 155.49 ug/l

RT: 6.56 min Scan# 1857

Delta R.T. -0.00 min

Lab File: VU025663.D

Acq: 27 Jul 2018 11:51

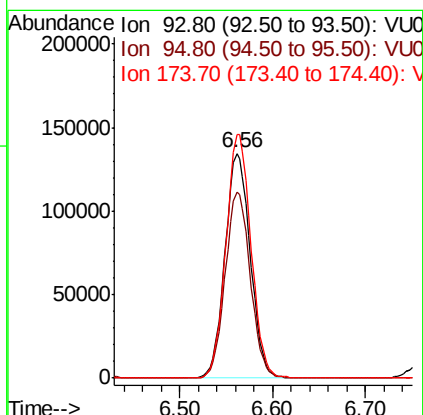
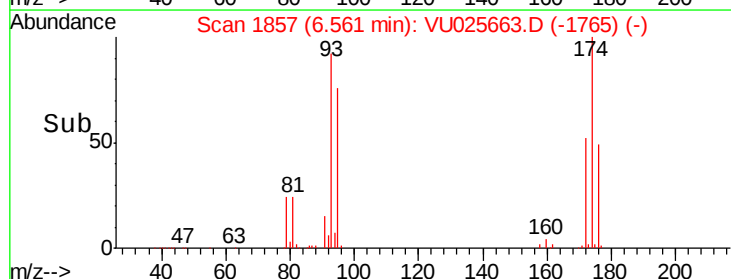
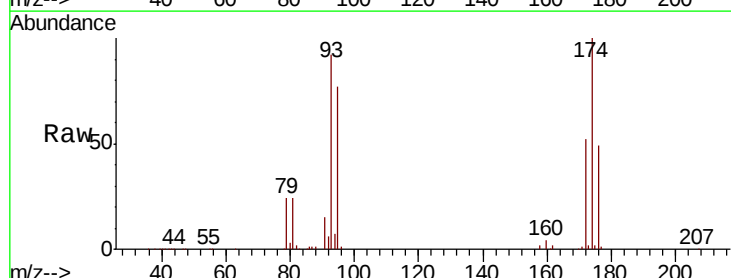
Tgt Ion: 93 Resp: 254473

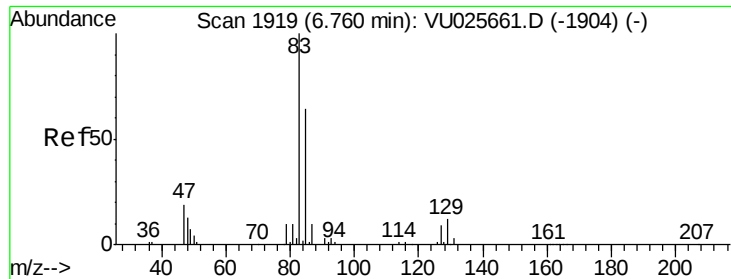
Ion Ratio Lower Upper

93 100

95 82.5 66.6 100.0

174 107.3 85.8 128.8





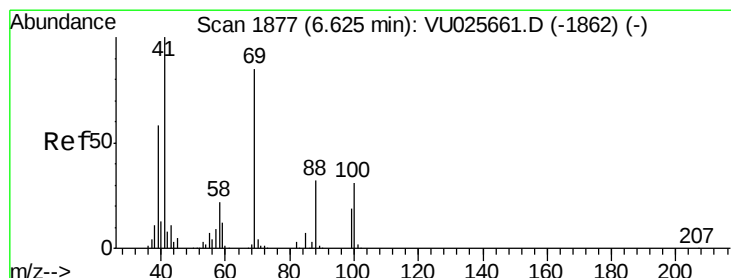
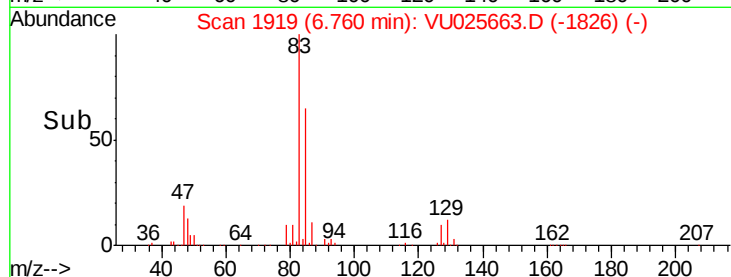
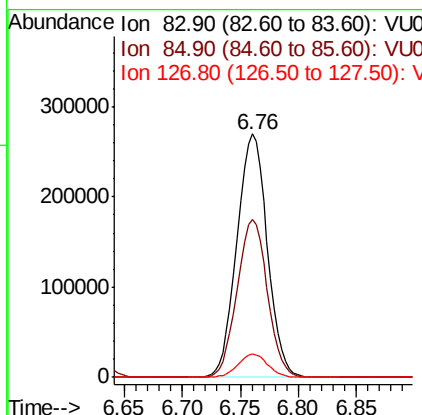
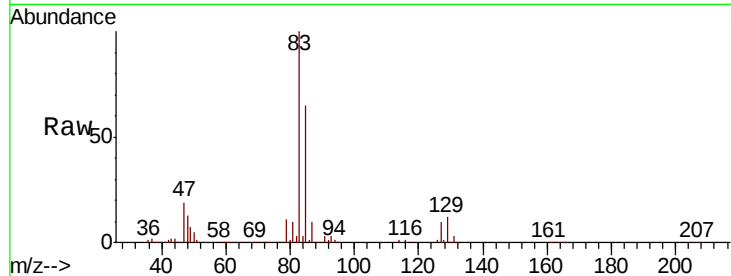
#47
 Bromodichloromethane
 Concen: 161.91 ug/l
 RT: 6.76 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: VU025663.D
 Acq: 27 Jul 2018 11:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
83	100	492246		
85	64.9	50.2	75.4	
127	9.5	7.2	10.8	

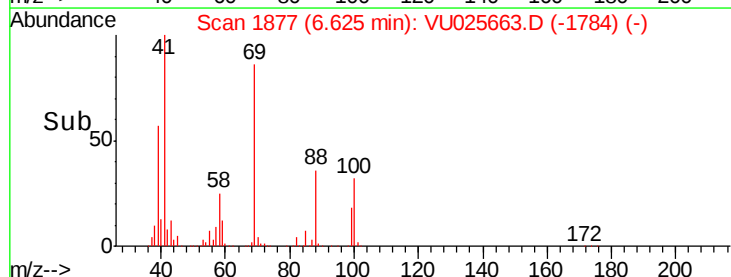
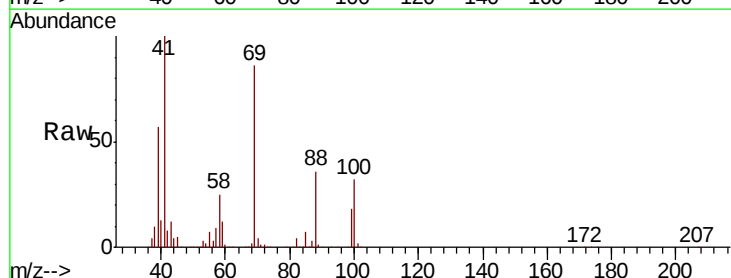
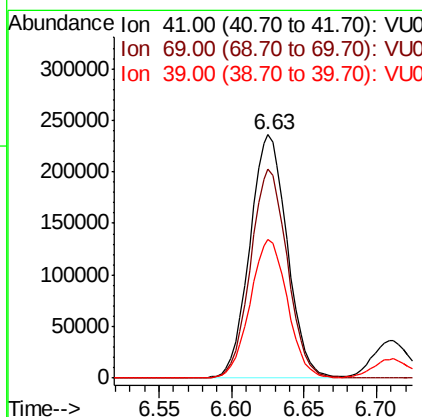
Manual Integrations
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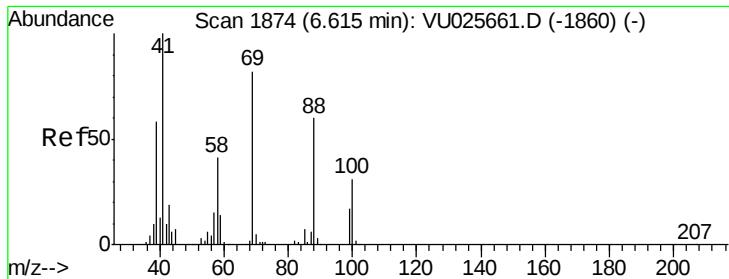
MMDadoda
 7/31/2018 3:48:18 PM



#48
 Methyl methacrylate
 Concen: 159.72 ug/l
 RT: 6.63 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VU025663.D
 Acq: 27 Jul 2018 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	423681		
69	84.7	65.0	97.4	
39	56.6	46.4	69.6	





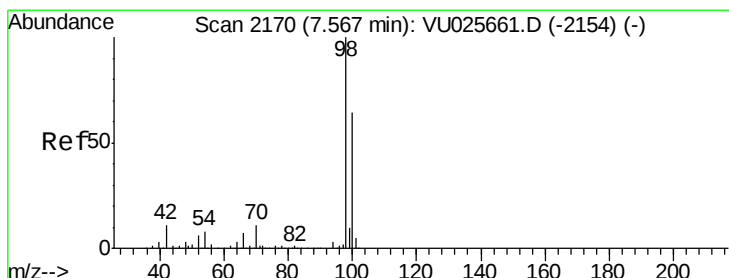
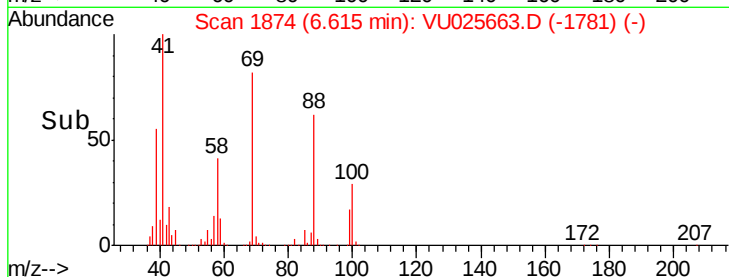
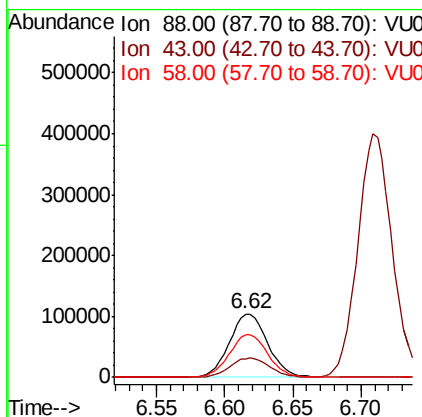
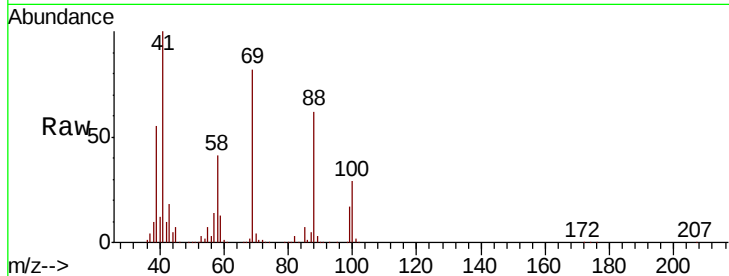
#49
1,4-Dioxane
Concen: 3126.69 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU025663.D
Acq: 27 Jul 2018 11:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	88	Resp	199577
Ion	Ratio	Lower	Upper
88	100		
43	31.7	27.3	40.9
58	69.1	57.6	86.4

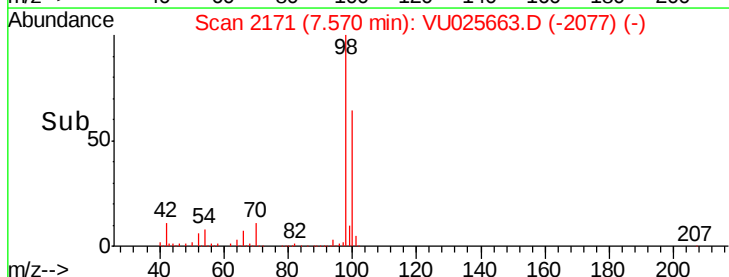
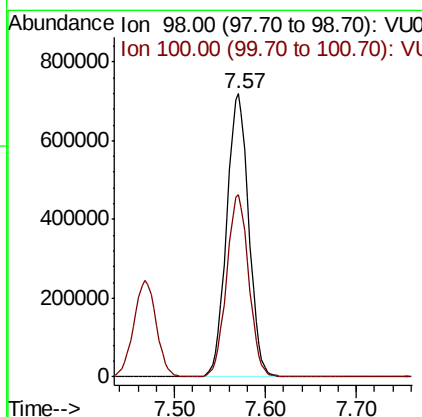
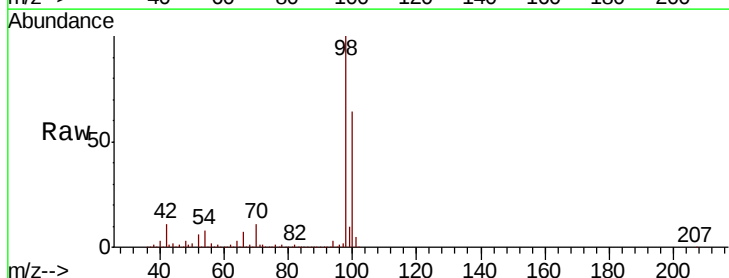
Manual Integrations
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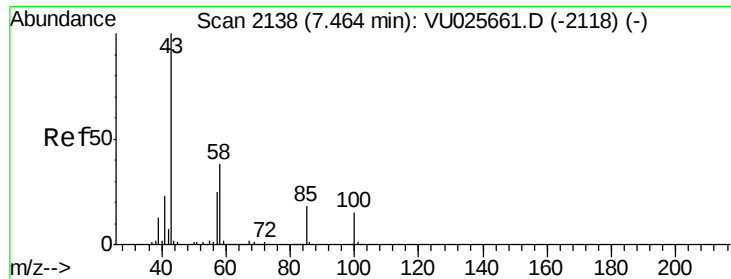
MMDadoda
7/31/2018 3:48:18 PM



#50
Toluene-d8
Concen: 156.62 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VU025663.D
Acq: 27 Jul 2018 11:51

Tgt Ion	98	Resp	1212570
Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 782.90 ug/l

RT: 7.47 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU025663.D

Acq: 27 Jul 2018 11:51

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2707667

Ion Ratio Lower Upper

43 100

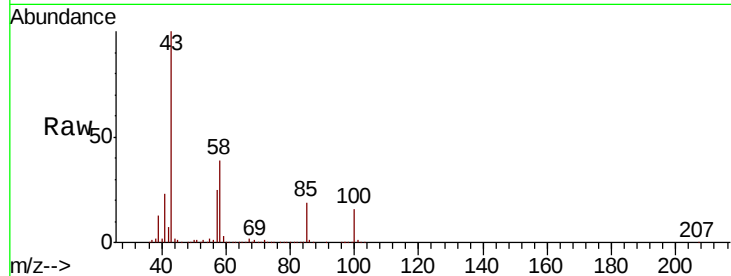
58 39.2 31.0 46.4

Manual Integrations

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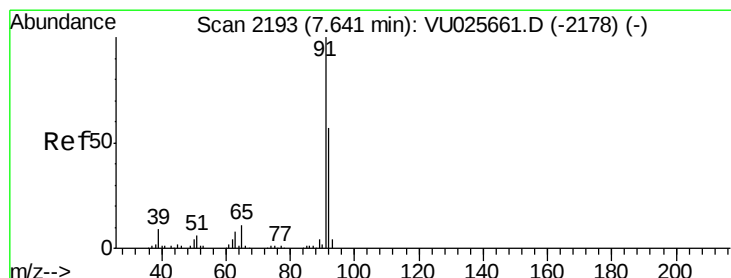
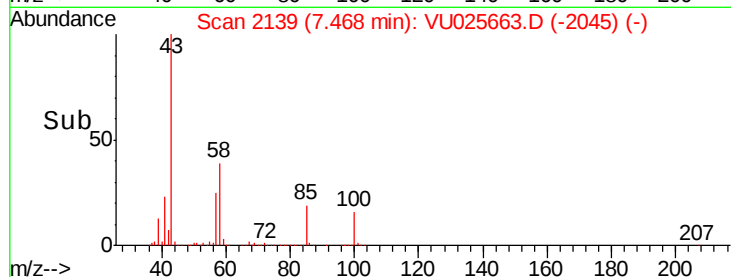
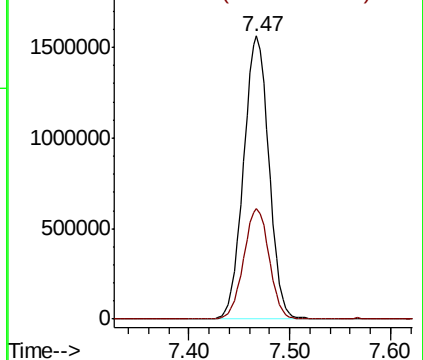
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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 158.47 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025663.D

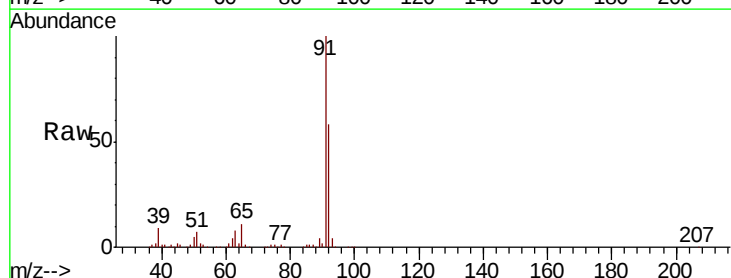
Acq: 27 Jul 2018 11:51

Tgt Ion: 92 Resp: 865659

Ion Ratio Lower Upper

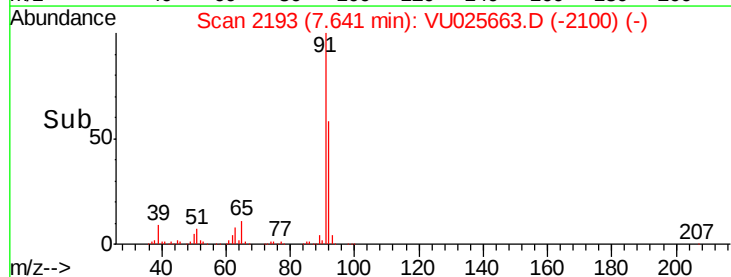
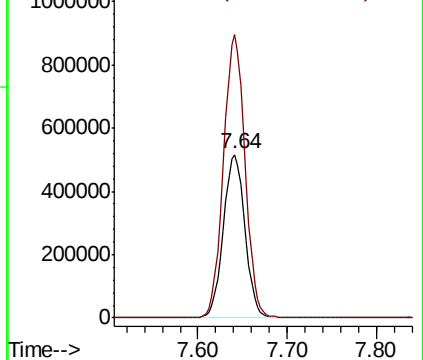
92 100

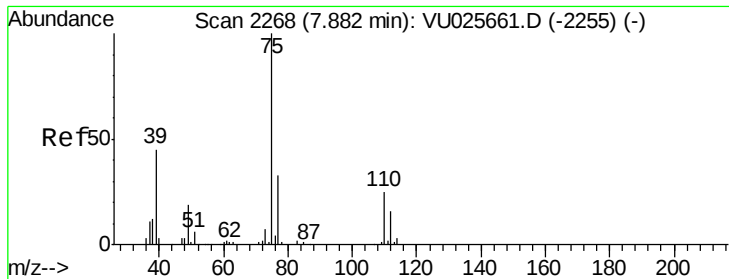
91 173.1 139.2 208.8



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: 174.89 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025663.D

Acq: 27 Jul 2018 11:51

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 584194

Ion Ratio Lower Upper

75 100

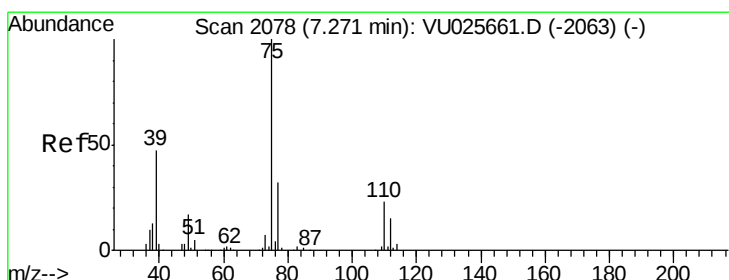
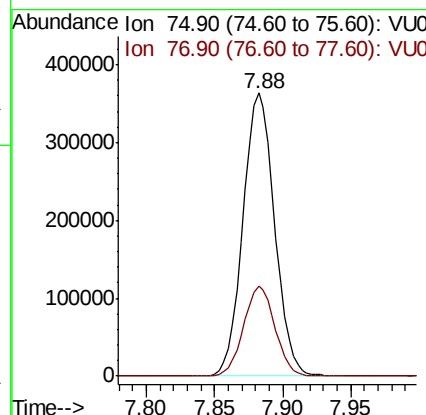
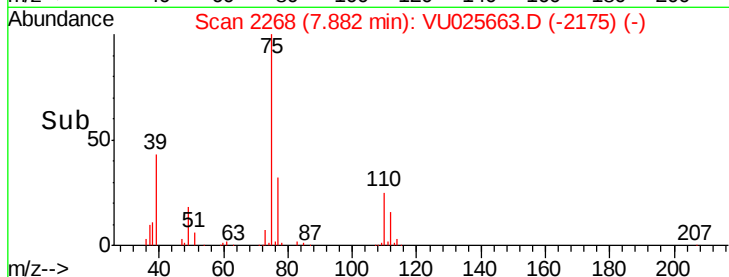
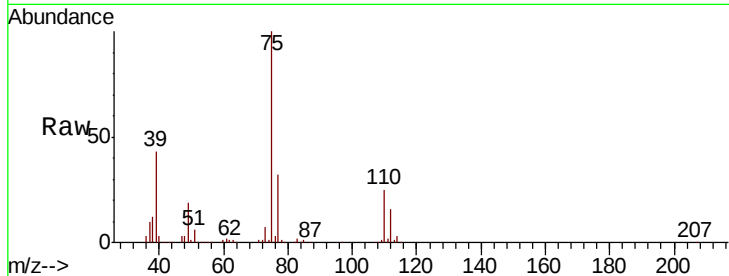
77 31.6 24.5 36.7

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 167.33 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU025663.D

Acq: 27 Jul 2018 11:51

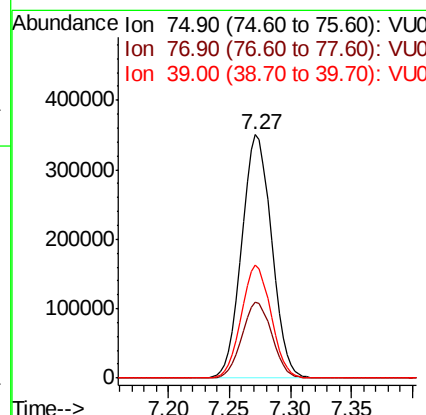
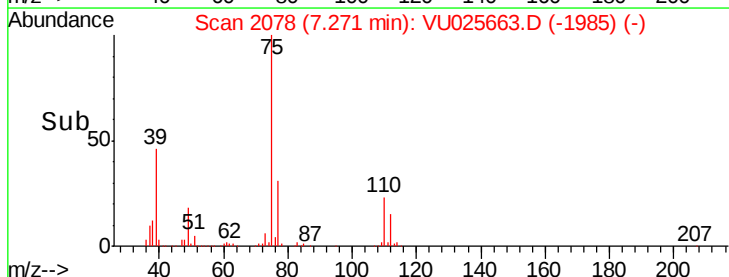
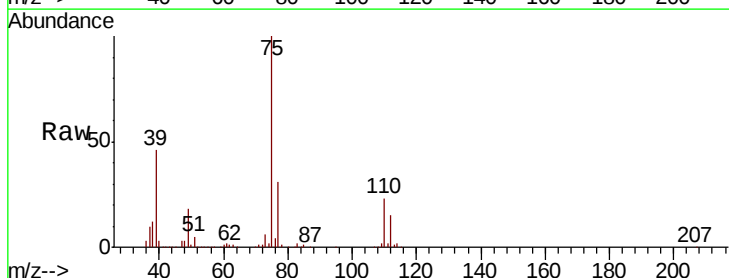
Tgt Ion: 75 Resp: 594895

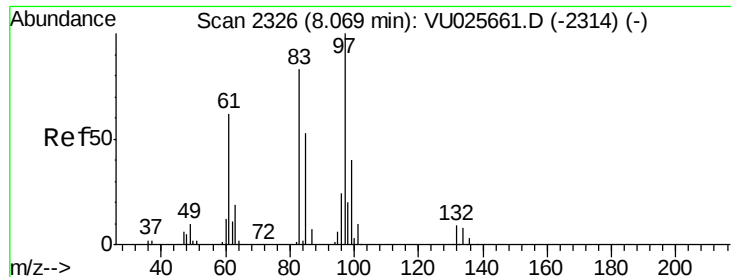
Ion Ratio Lower Upper

75 100

77 31.0 25.6 38.4

39 46.4 40.0 60.0





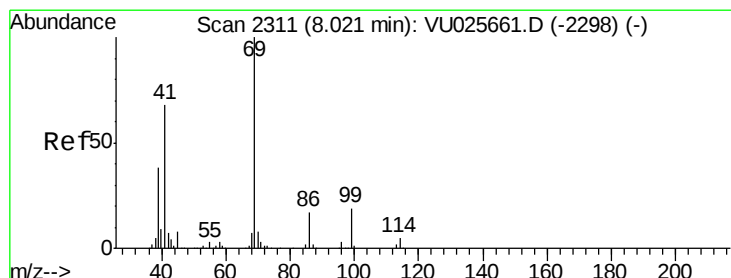
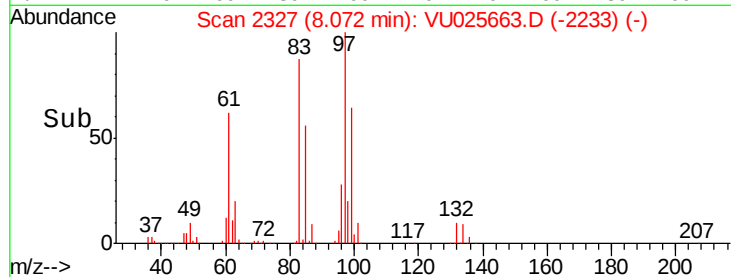
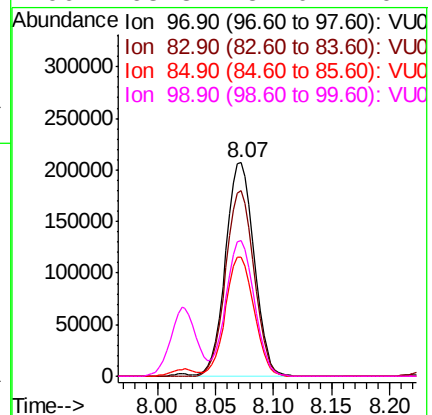
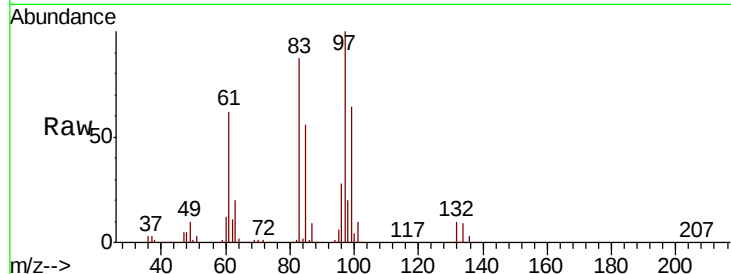
#55
 1,1,2-Trichloroethane
 Concen: 155.46 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU025663.D
 Acq: 27 Jul 2018 11:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	353677
Ion	Ratio	Lower	Upper
97	100		
83	86.6	68.9	103.3
85	55.8	44.4	66.6
99	63.8	51.0	76.4

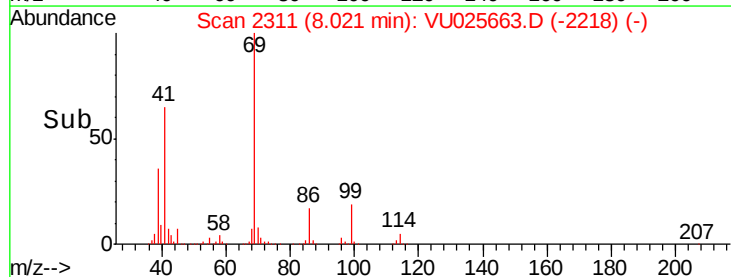
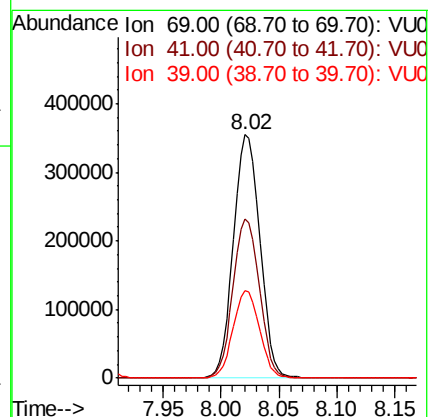
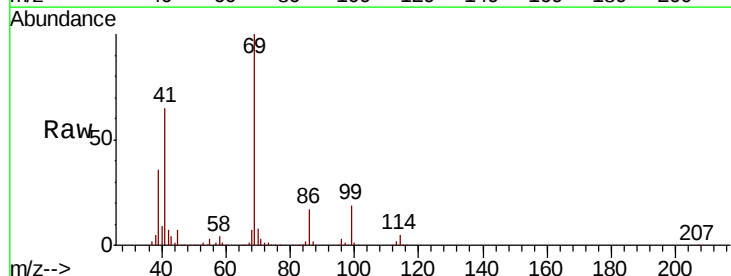
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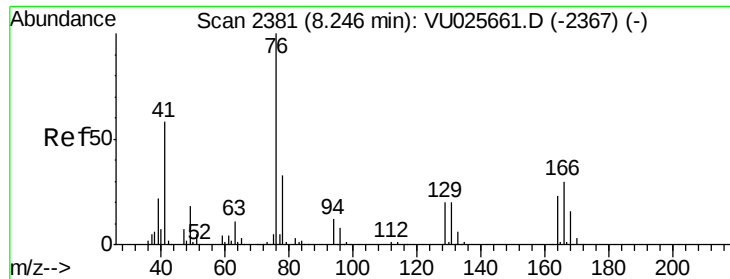
MMDadoda
 7/31/2018 3:48:18 PM



#56
 Ethyl methacrylate
 Concen: 158.84 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025663.D
 Acq: 27 Jul 2018 11:51

Tgt Ion:	69	Resp:	564418
Ion	Ratio	Lower	Upper
69	100		
41	65.1	54.8	82.2
39	35.6	31.1	46.7





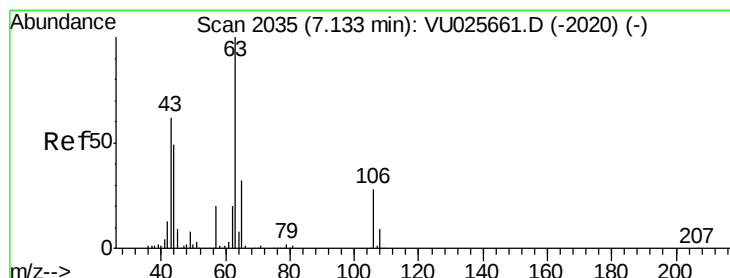
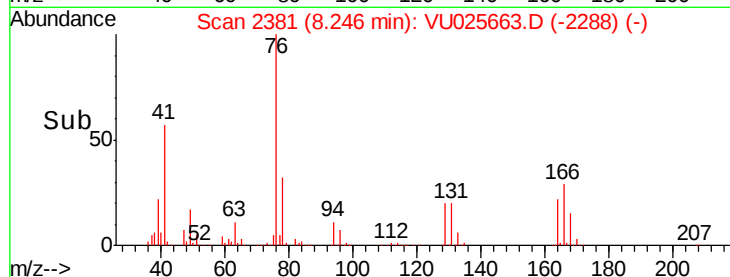
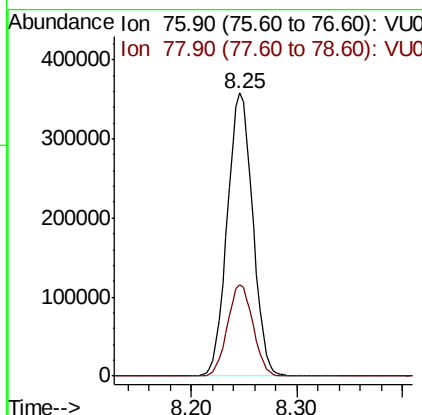
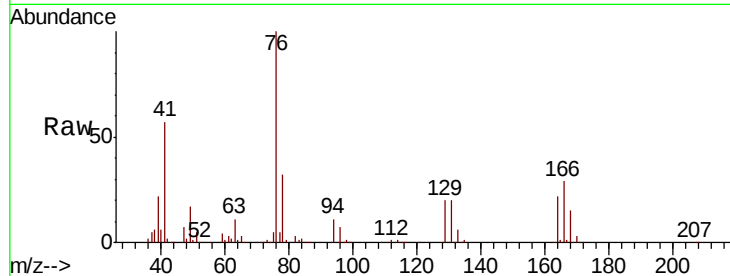
#57
 1,3-Dichloropropane
 Concen: 157.87 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU025663.D
 Acq: 27 Jul 2018 11:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion: 76 Resp: 596254
 Ion Ratio Lower Upper
 76 100
 78 32.4 26.1 39.1

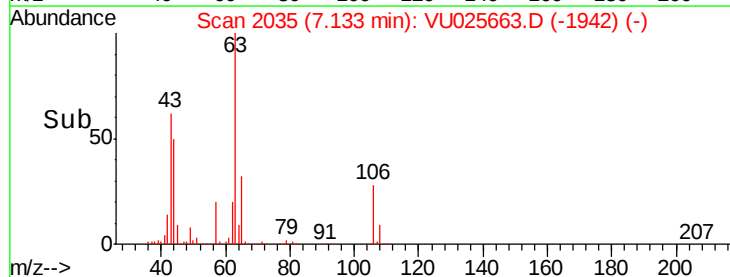
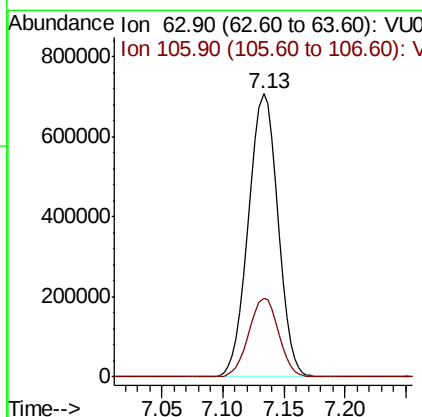
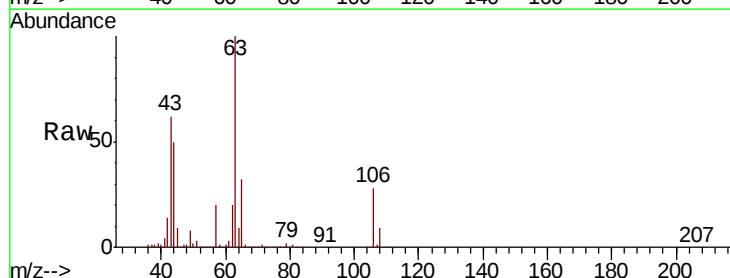
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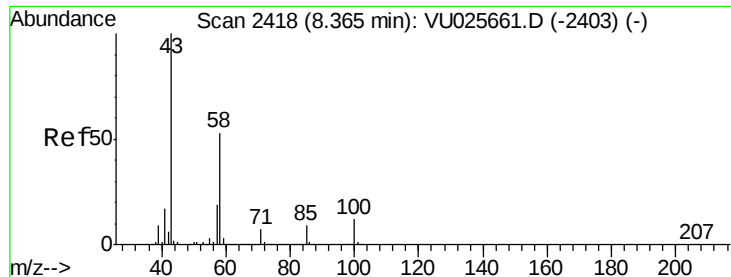
MMDadoda
 7/31/2018 3:48:18 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 939.24 ug/l
 RT: 7.13 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VU025663.D
 Acq: 27 Jul 2018 11:51

Tgt Ion: 63 Resp: 1177727
 Ion Ratio Lower Upper
 63 100
 106 28.1 22.3 33.5





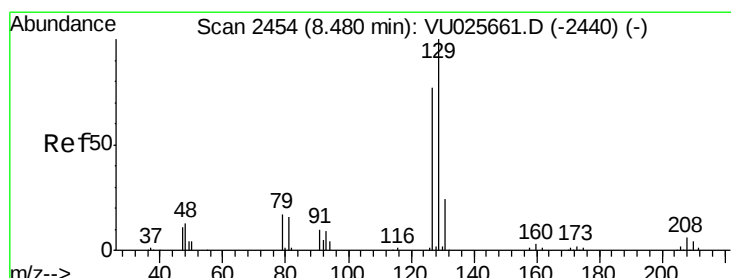
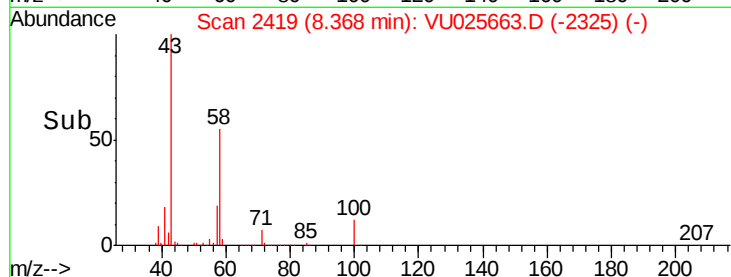
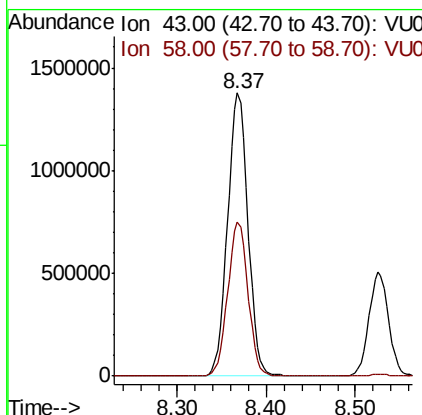
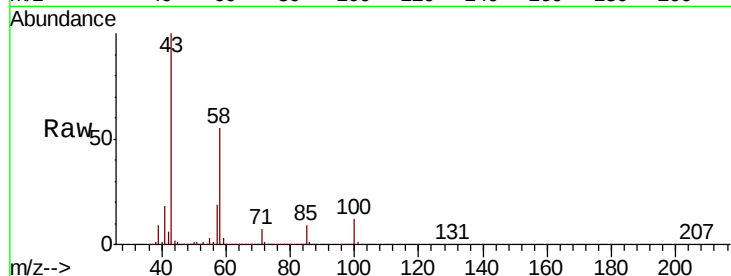
#59
2-Hexanone
Concen: 777.74 ug/l
RT: 8.37 min Scan# 2419
Delta R.T. 0.00 min
Lab File: VU025663.D
Acq: 27 Jul 2018 11:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 2181787
Ion Ratio Lower Upper
43 100
58 54.3 26.2 78.5

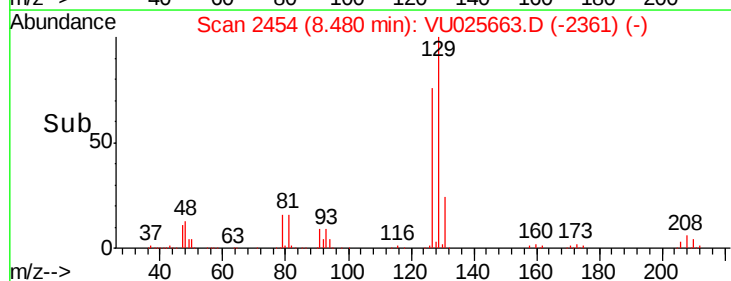
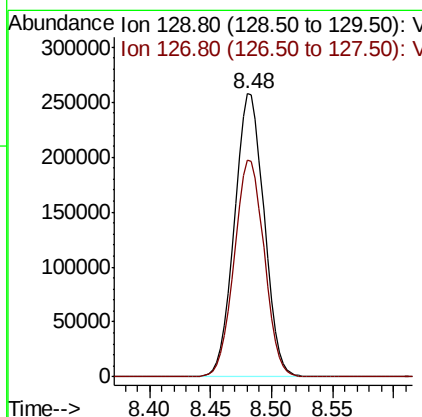
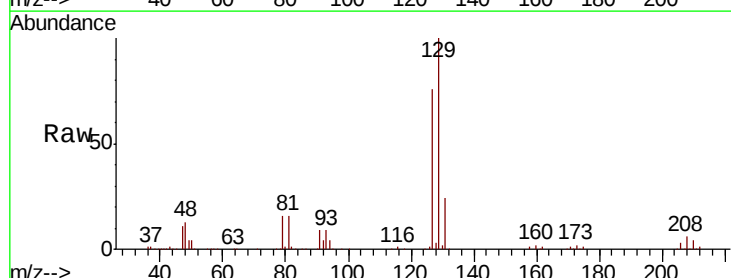
Manual Integrations
APPROVED

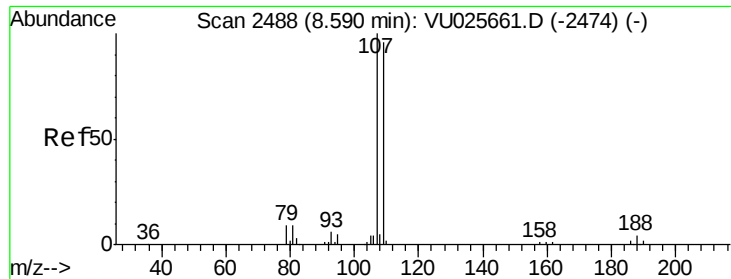
MMDadoda
7/31/2018 3:48:18 PM



#60
Dibromochloromethane
Concen: 177.00 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025663.D
Acq: 27 Jul 2018 11:51

Tgt Ion: 129 Resp: 434887
Ion Ratio Lower Upper
129 100
127 77.4 38.6 115.8





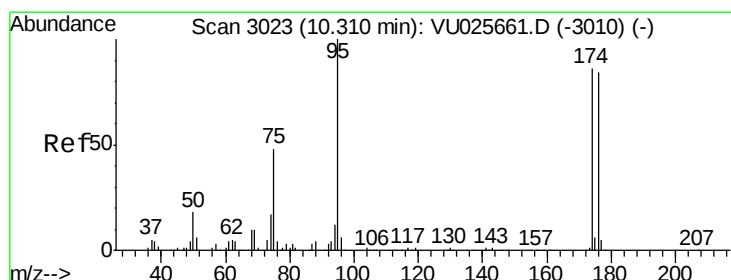
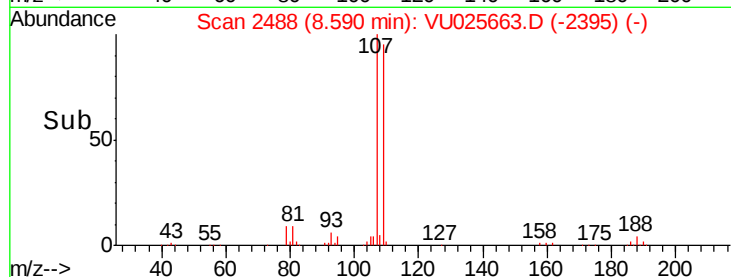
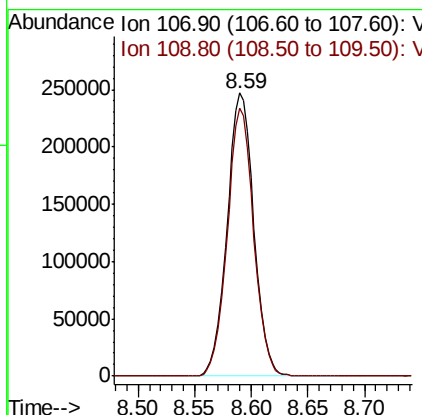
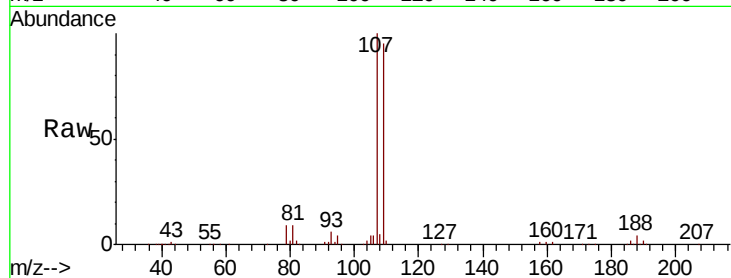
#61
 1,2-Dibromoethane
 Concen: 166.32 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU025663.D
 Acq: 27 Jul 2018 11:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	75.8	113.8

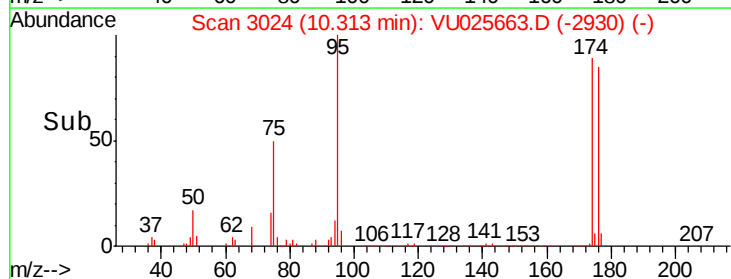
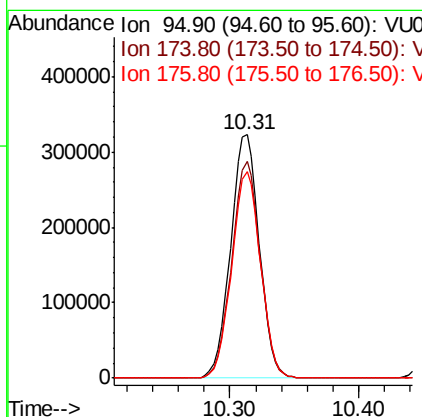
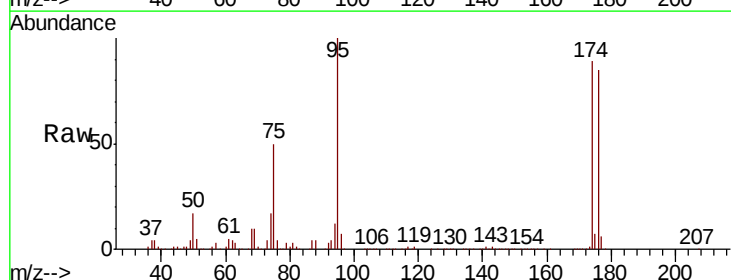
Manual Integrations
 APPROVED

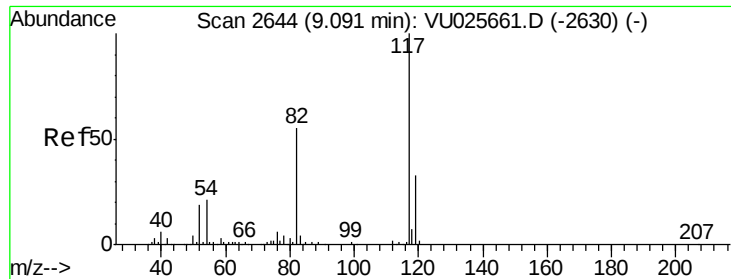
MMDadoda
 7/31/2018 3:48:18 PM



#62
 4-Bromofluorobenzene
 Concen: 160.07 ug/l
 RT: 10.31 min Scan# 3024
 Delta R.T. 0.00 min
 Lab File: VU025663.D
 Acq: 27 Jul 2018 11:51

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.3	0.0	172.2
176	85.2	0.0	162.6





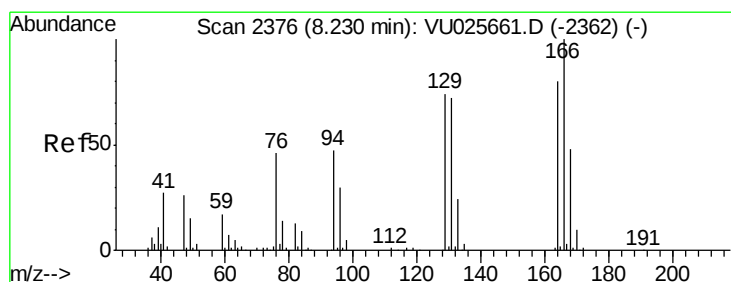
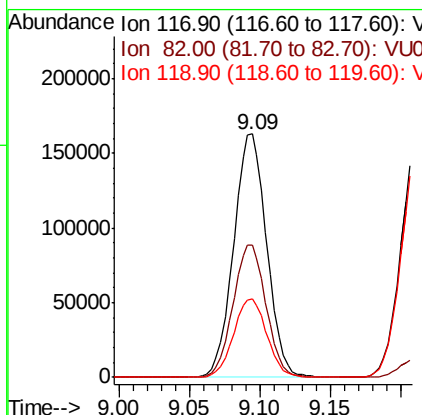
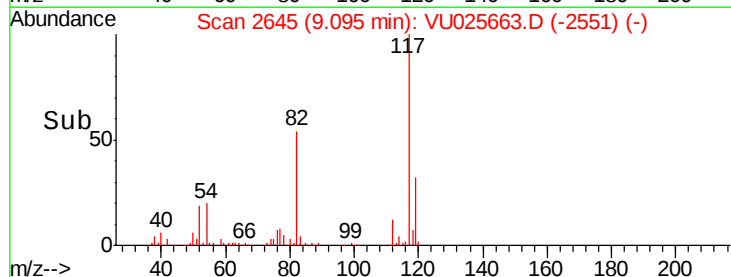
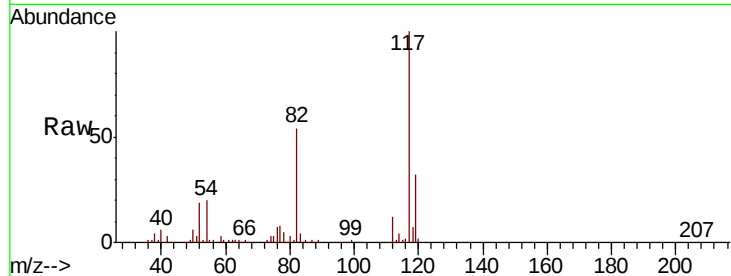
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025663.D
Acq: 27 Jul 2018 11:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	267386		
82	54.1	46.0	69.0	
119	32.1	26.0	39.0	

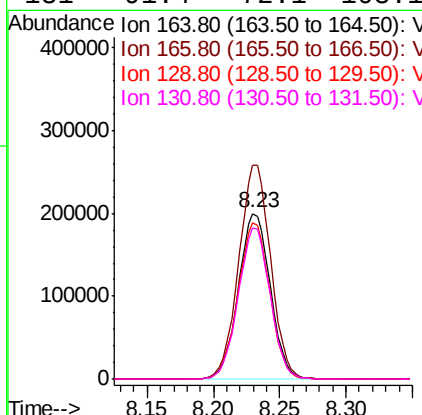
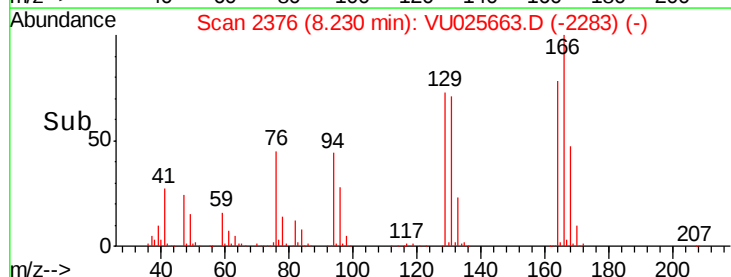
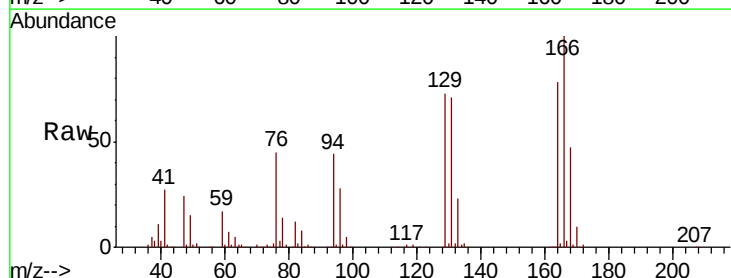
Manual Integrations
APPROVED

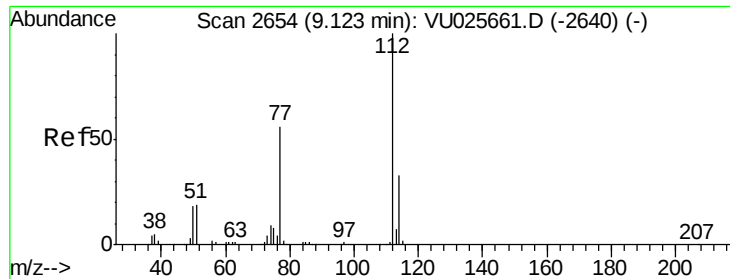
MMDadoda
7/31/2018 3:48:18 PM



#64
Tetrachloroethene
Concen: 136.83 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025663.D
Acq: 27 Jul 2018 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	333512		
166	129.0	101.1	151.7	
129	94.4	73.0	109.6	
131	91.4	72.1	108.1	





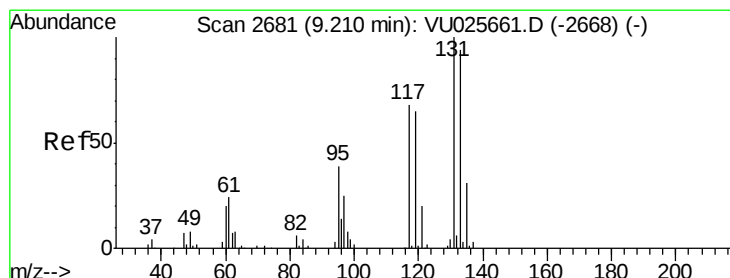
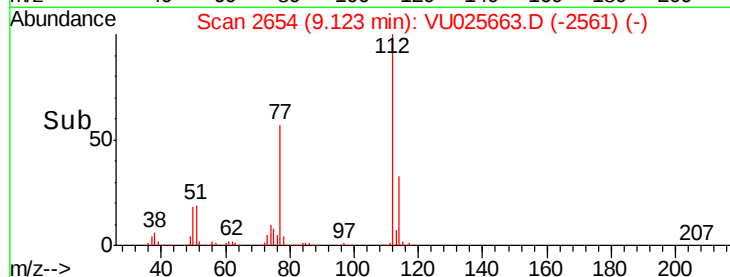
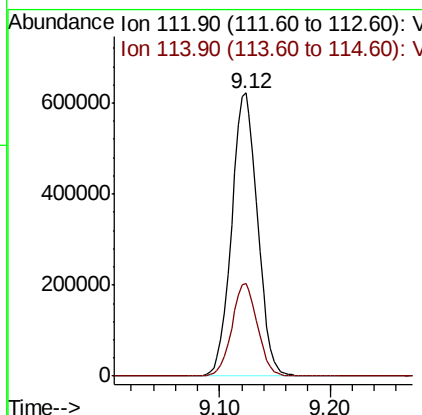
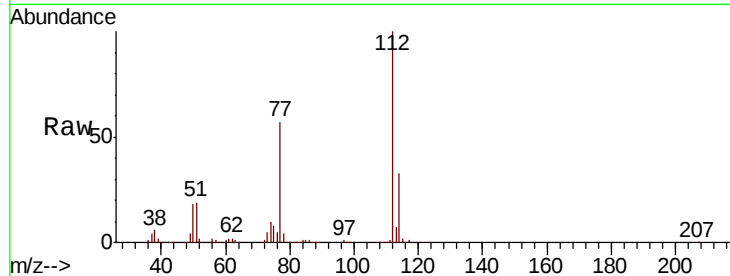
#65
Chlorobenzene
Concen: 151.52 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025663.D
Acq: 27 Jul 2018 11:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 1012082
Ion Ratio Lower Upper
112 100
114 32.8 25.8 38.8

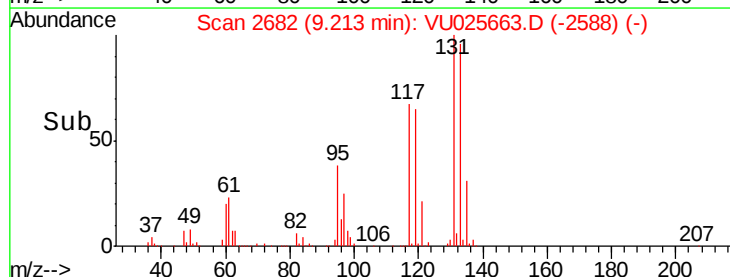
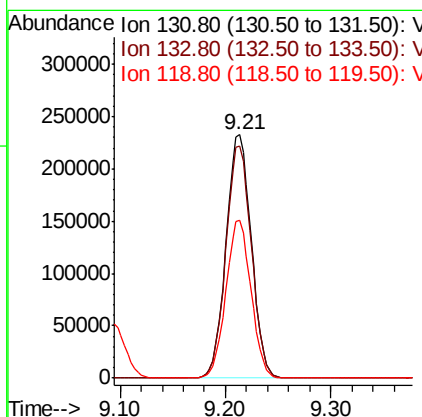
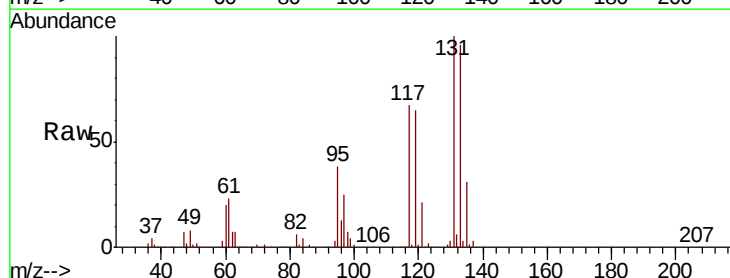
Manual Integrations
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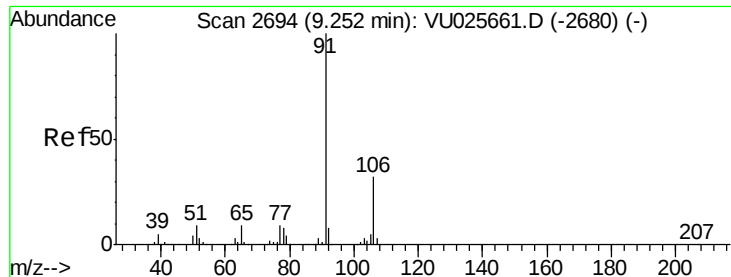
MMDadoda
7/31/2018 3:48:18 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 161.06 ug/l
RT: 9.21 min Scan# 2682
Delta R.T. 0.00 min
Lab File: VU025663.D
Acq: 27 Jul 2018 11:51

Tgt Ion:131 Resp: 384836
Ion Ratio Lower Upper
131 100
133 96.4 47.8 143.3
119 64.4 31.6 95.0





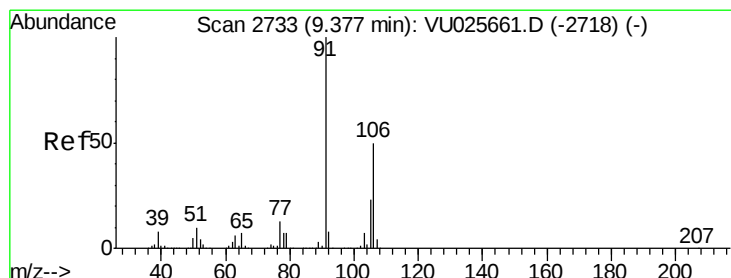
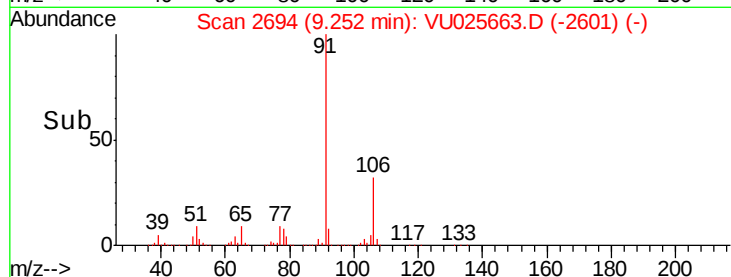
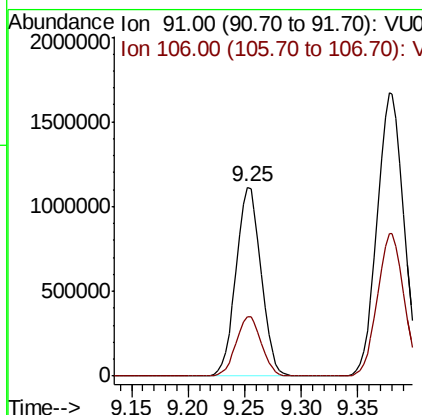
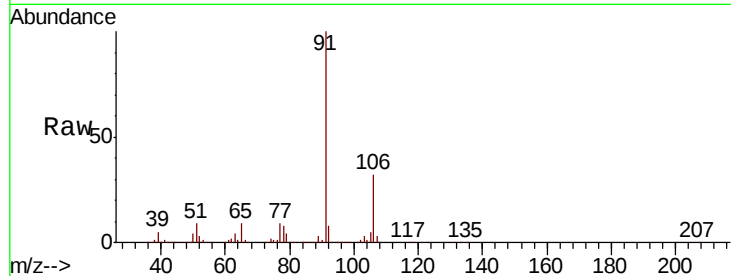
#67
Ethyl Benzene
Concen: 151.77 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025663.D
Acq: 27 Jul 2018 11:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1728260
Ion Ratio Lower Upper
91 100
106 31.6 25.3 37.9

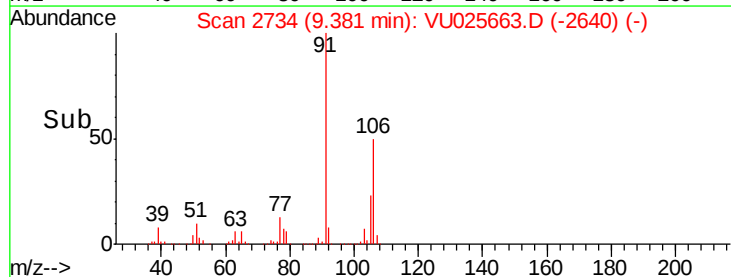
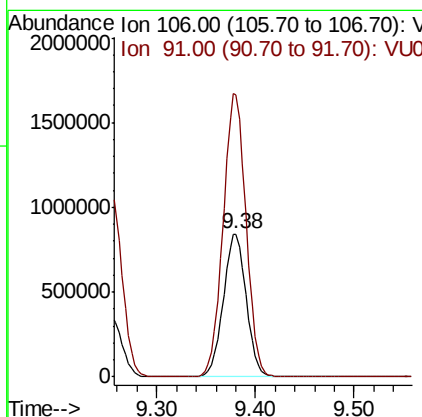
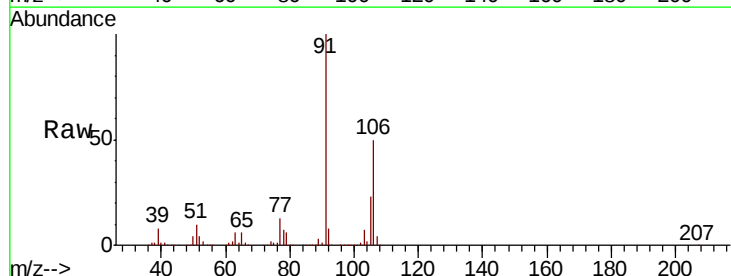
Manual Integrations
APPROVED

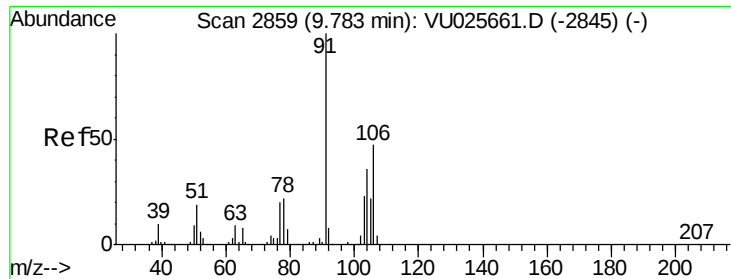
MMDadoda
7/31/2018 3:48:18 PM



#68
m/p-Xylenes
Concen: 310.65 ug/l
RT: 9.38 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU025663.D
Acq: 27 Jul 2018 11:51

Tgt Ion: 106 Resp: 1367670
Ion Ratio Lower Upper
106 100
91 199.0 162.3 243.5





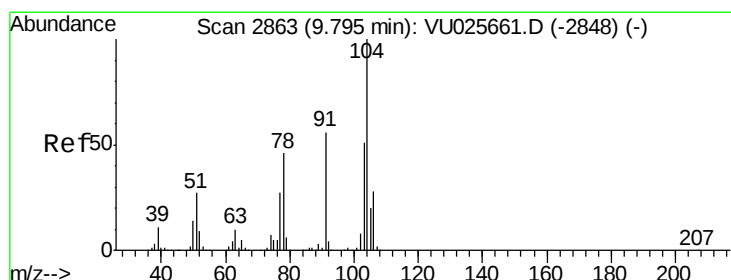
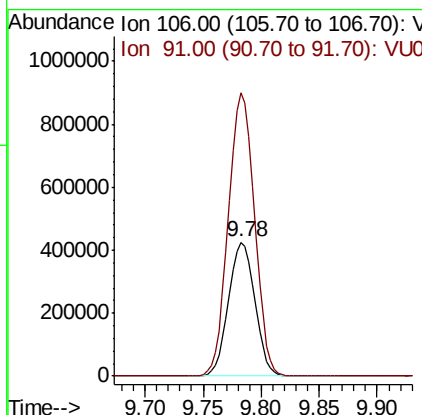
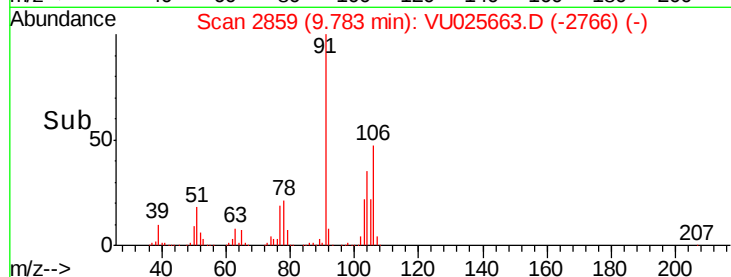
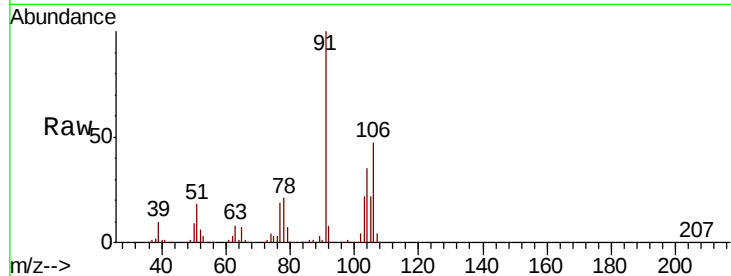
#69
o-Xylene
Concen: 150.62 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025663.D
Acq: 27 Jul 2018 11:51

Instrument :
MSVOA_U
ClientSampled :
VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	663882		
91	91	211.0	105.3	315.8	

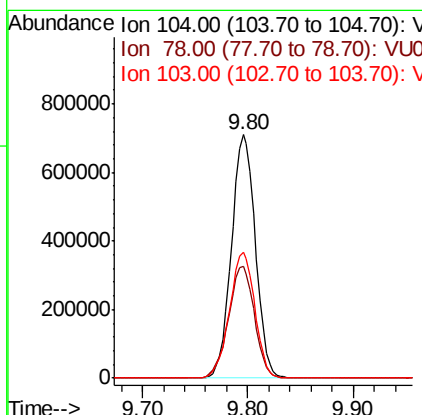
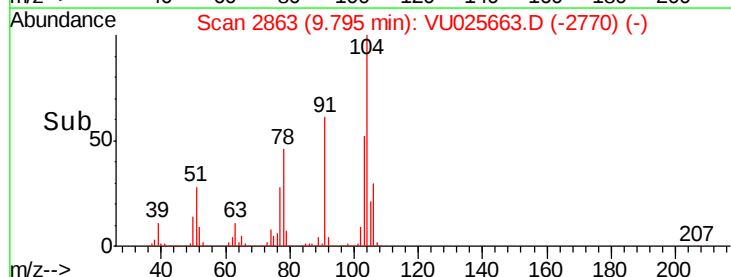
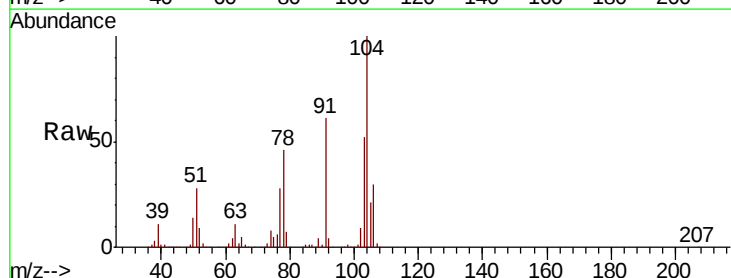
Manual Integrations
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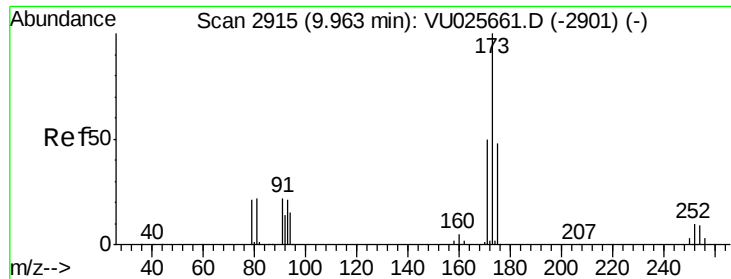
MMDadoda
7/31/2018 3:48:18 PM



#70
Styrene
Concen: 158.81 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025663.D
Acq: 27 Jul 2018 11:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	1111901		
78	78	49.7	41.6	62.4	
103	103	54.8	44.6	66.8	





#71

Bromoform

Concen: 177.83 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025663.D

Acq: 27 Jul 2018 11:51

Instrument :

MSVOA_U

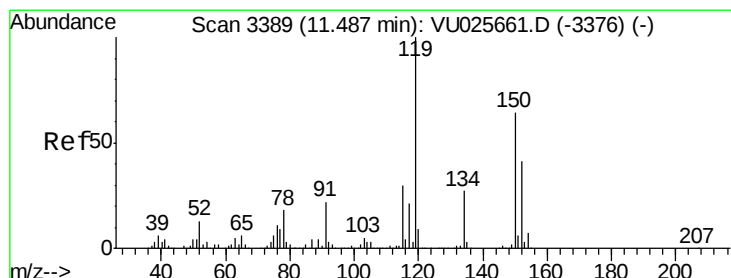
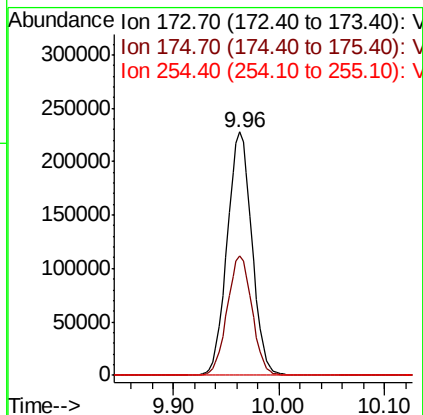
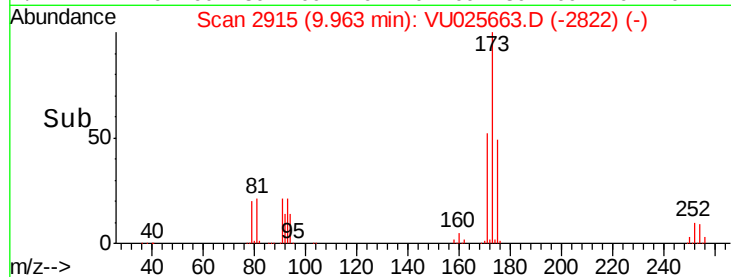
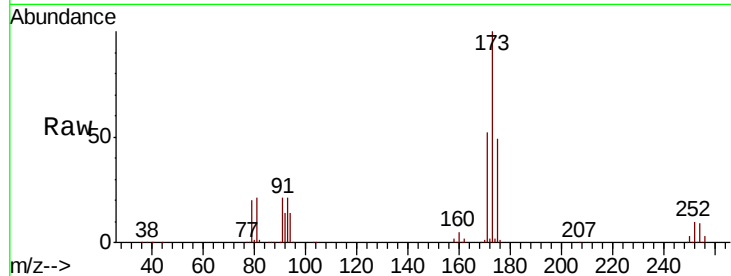
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.0	72.0
254	0.1	0.0	0.0

Manual Integrations
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7/31/2018 3:48:18 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

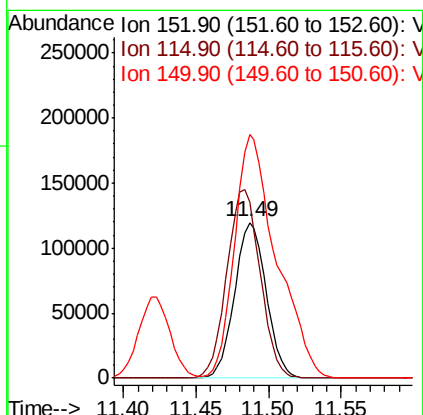
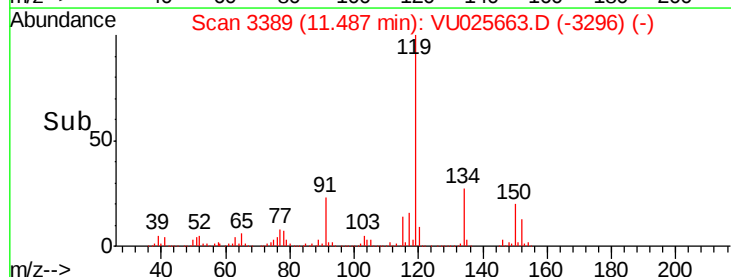
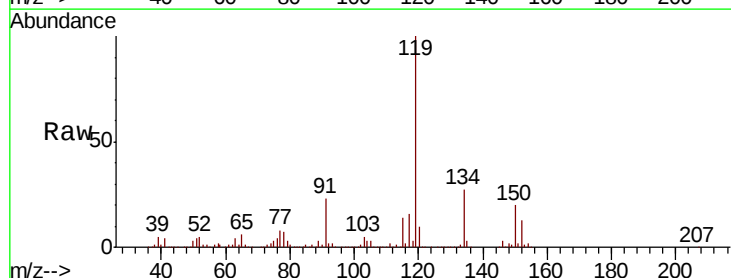
RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025663.D

Acq: 27 Jul 2018 11:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	127.7	40.1	120.3
150	208.1	0.0	351.4





#73

Isopropylbenzene

Concen: 130.06 ug/l

RT: 10.17 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU025663.D

Acq: 27 Jul 2018 11:51

Instrument :

MSVOA_U

ClientSampled :

VSTDIC150

Tot Ion:105 Resp: 1800660

Ion Ratio Lower Upper

105 100

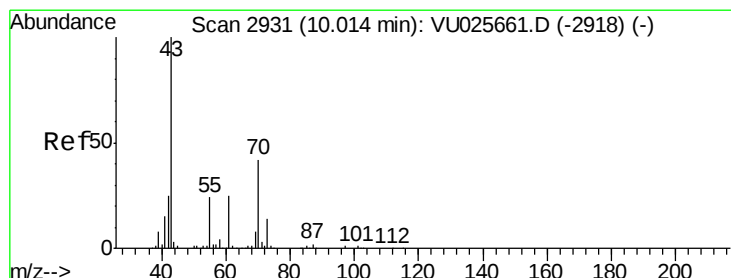
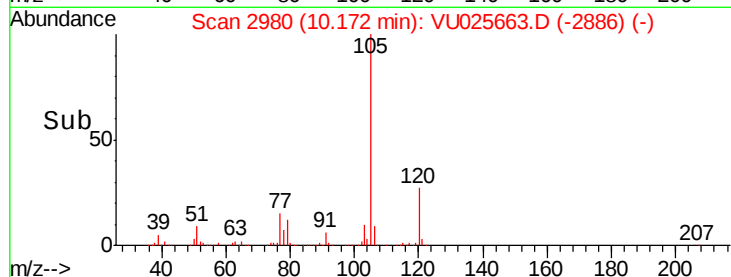
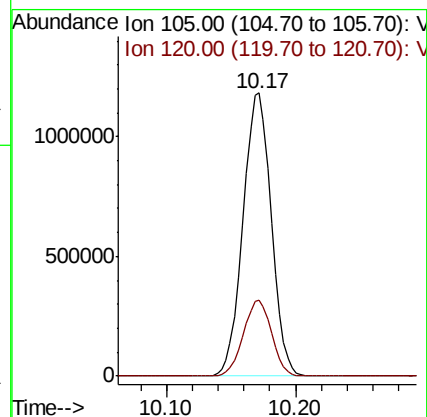
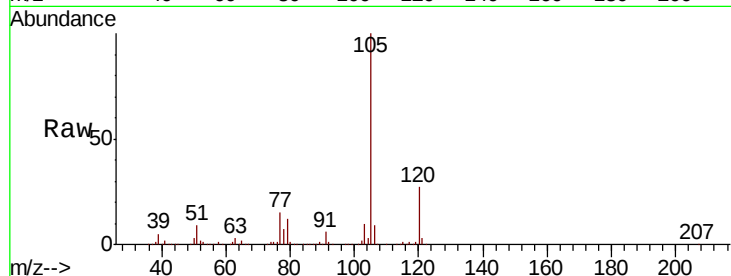
120 26.8 13.5 40.5

Manual Integrations

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#74

N-ethyl acetate

Concen: 135.17 ug/l

RT: 10.02 min Scan# 2932

Delta R.T. 0.00 min

Lab File: VU025663.D

Acq: 27 Jul 2018 11:51

Tgt Ion: 43 Resp: 812398

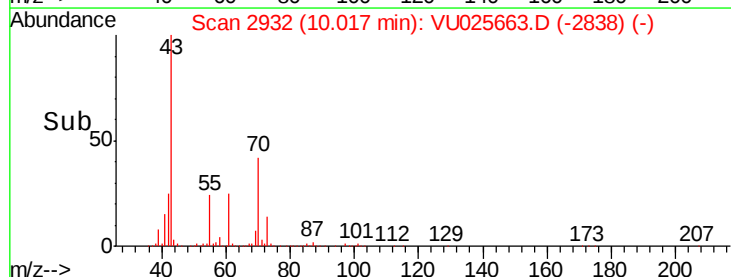
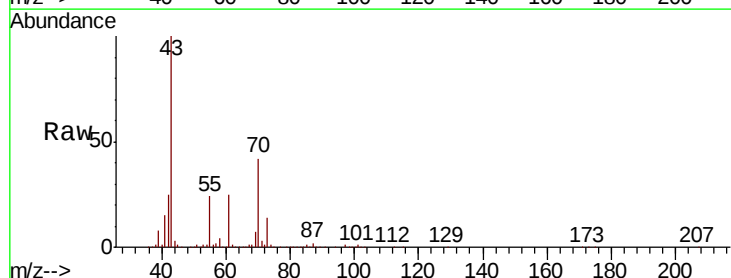
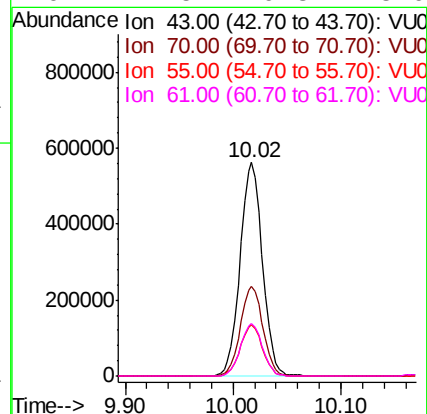
Ion Ratio Lower Upper

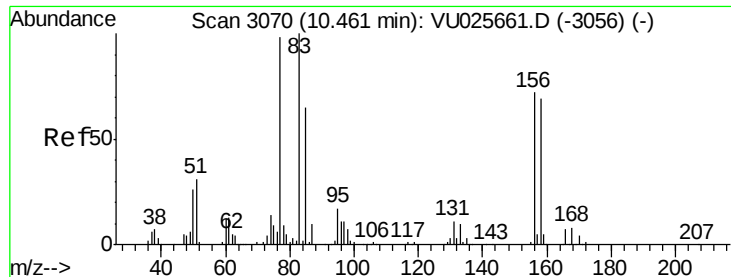
43 100

70 42.4 33.4 50.2

55 23.8 19.0 28.6

61 24.5 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 138.73 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025663.D

Acq: 27 Jul 2018 11:51

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 628366

Ion Ratio Lower Upper

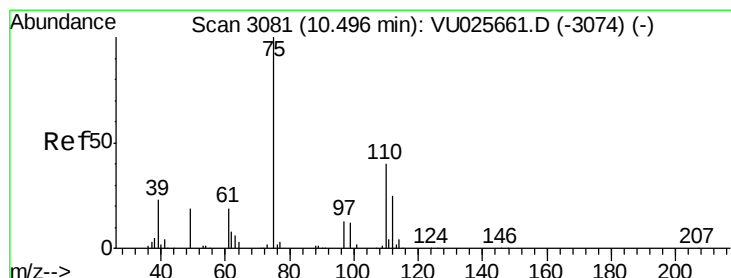
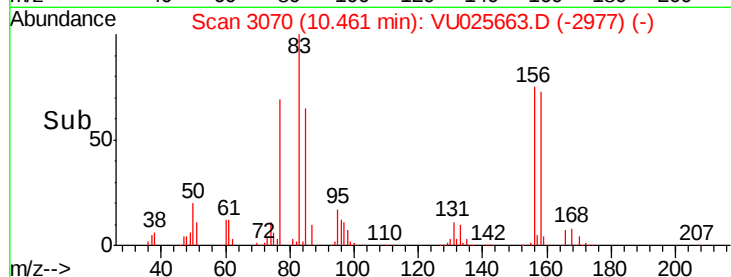
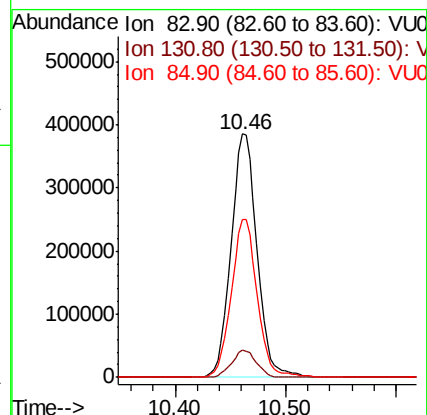
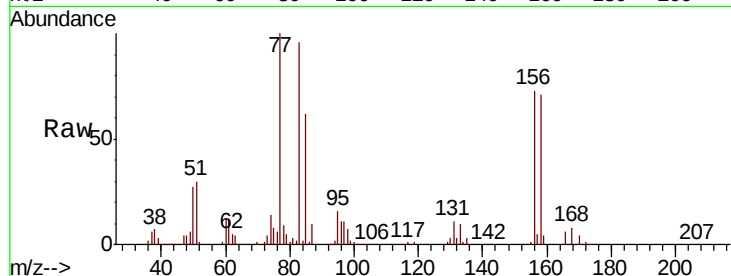
83 100

131 10.7 5.5 16.4

85 64.9 31.6 94.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 133.50 ug/l m

RT: 10.50 min Scan# 3082

Delta R.T. 0.00 min

Lab File: VU025663.D

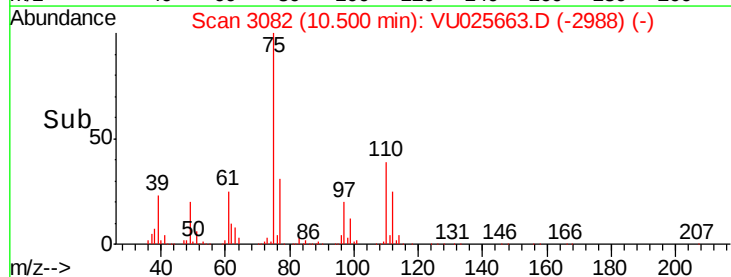
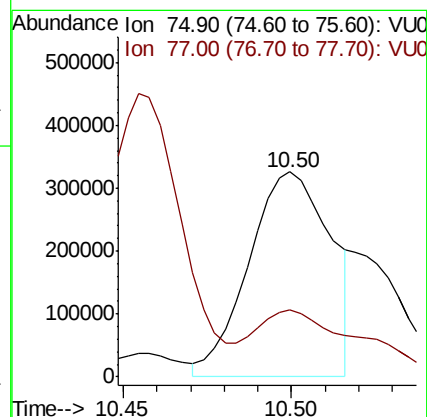
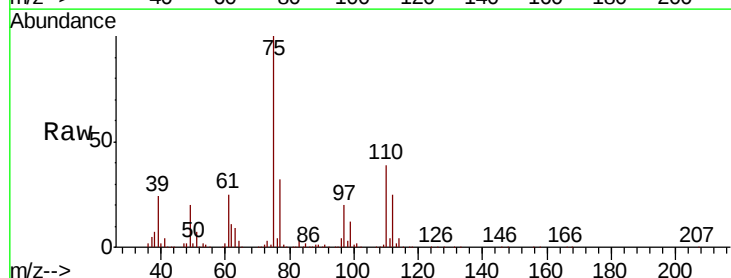
Acq: 27 Jul 2018 11:51

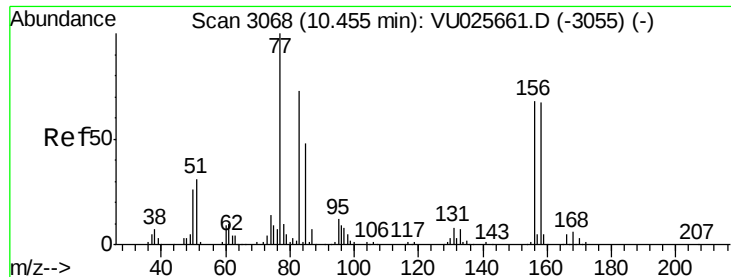
Tgt Ion: 75 Resp: 550834

Ion Ratio Lower Upper

75 100

77 42.2 20.4 61.3





#77

Bromobenzene

Concen: 139.18 ug/l

RT: 10.46 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VU025663.D

Acq: 27 Jul 2018 11:51

Instrument :

MSVOA_U

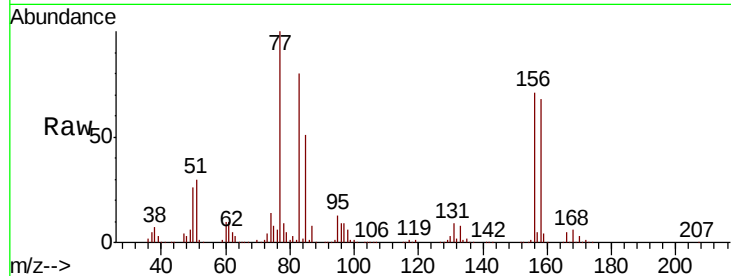
ClientSampleId :

VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	146.5	73.8	221.4	
158	97.4	48.0	144.0	

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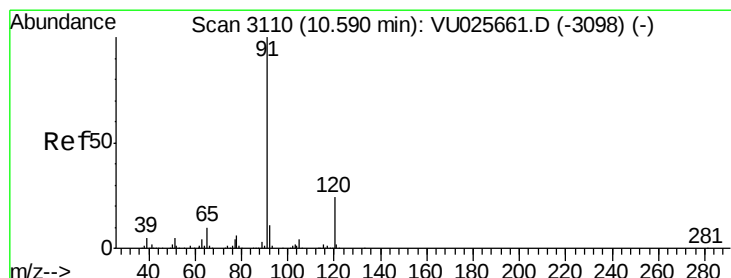
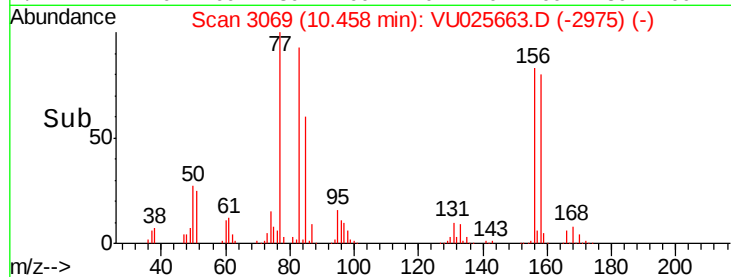
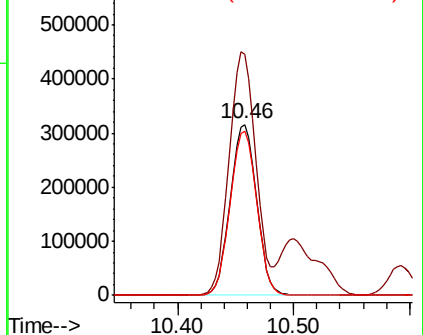


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 138.80 ug/l

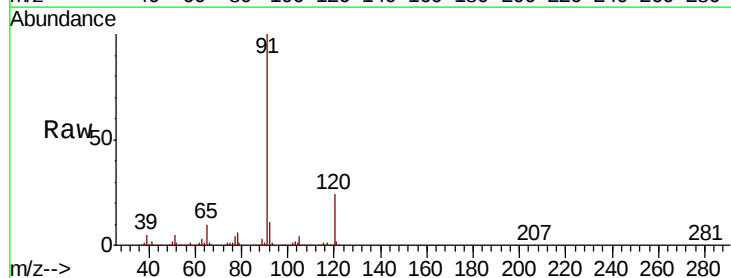
RT: 10.59 min Scan# 3111

Delta R.T. 0.00 min

Lab File: VU025663.D

Acq: 27 Jul 2018 11:51

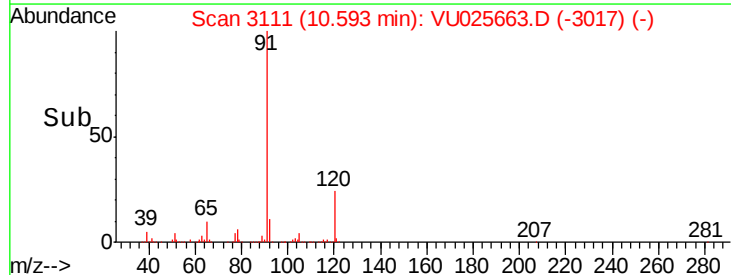
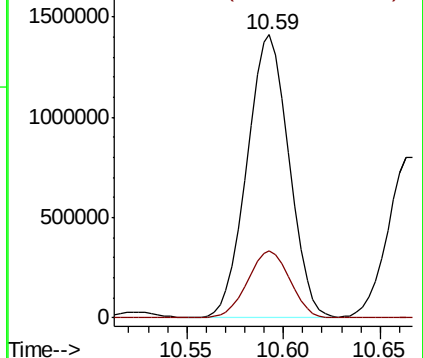
Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.9	11.8	35.3	



Abundance

Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 129.69 ug/l

RT: 10.67 min Scan# 3134

Delta R.T. 0.00 min

Lab File: VU025663.D

Acq: 27 Jul 2018 11:51

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1246916

Ion Ratio Lower Upper

91 100

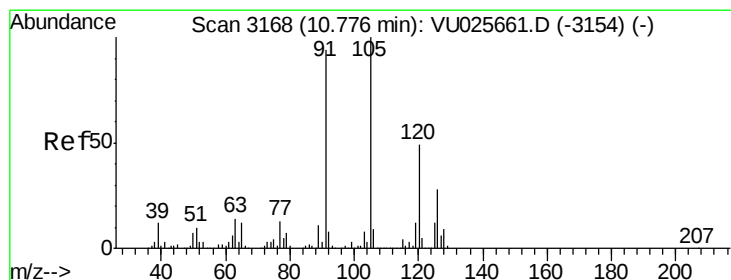
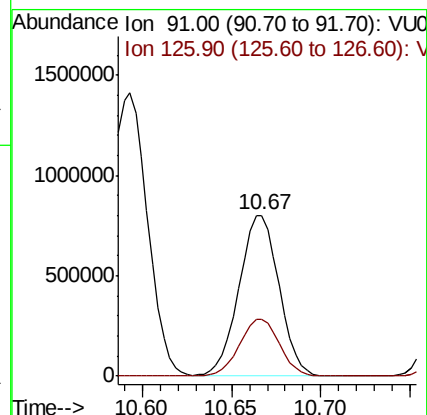
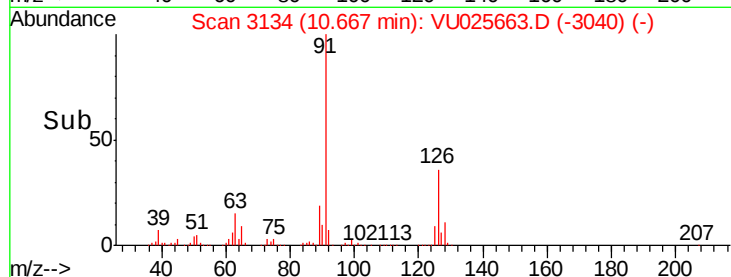
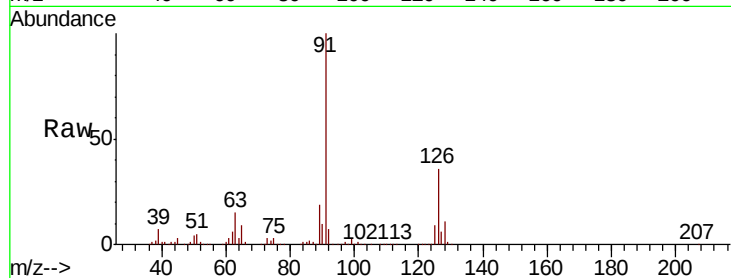
126 35.5 17.5 52.6

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#80

1,3,5-Trimethylbenzene

Concen: 134.76 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025663.D

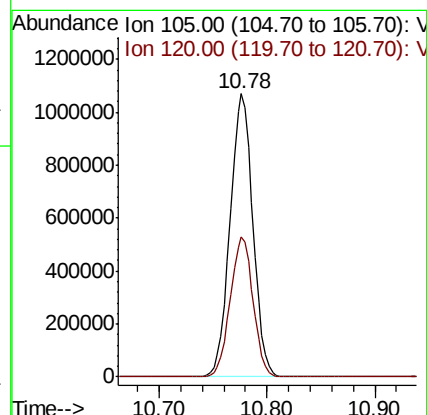
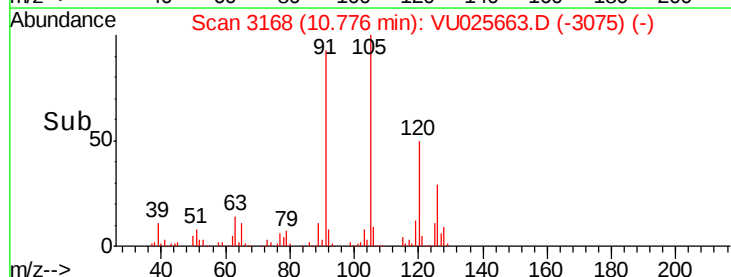
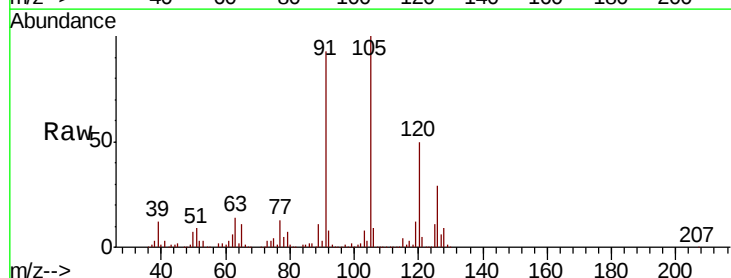
Acq: 27 Jul 2018 11:51

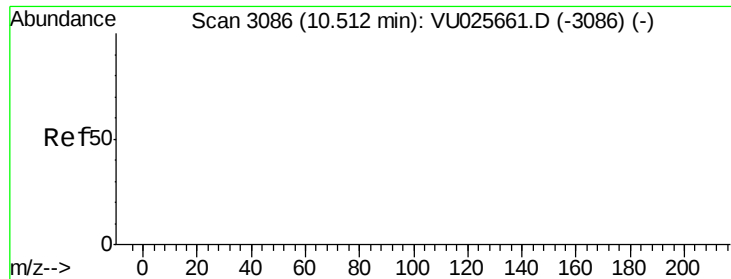
Tgt Ion:105 Resp: 1569821

Ion Ratio Lower Upper

105 100

120 49.4 24.1 72.2





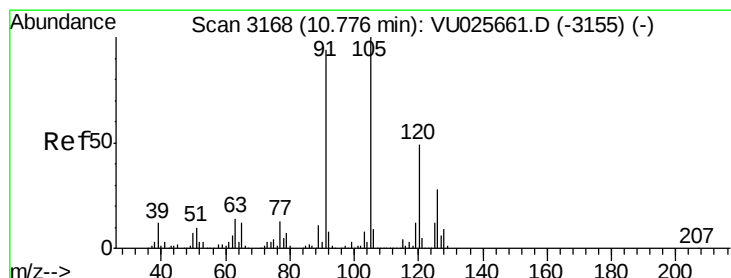
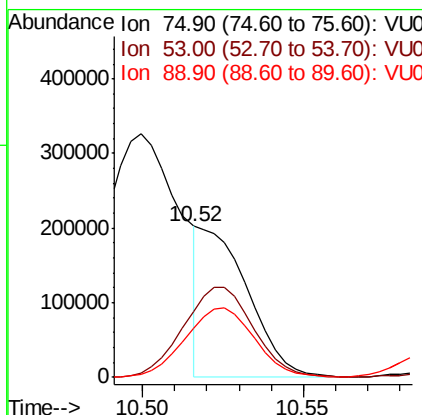
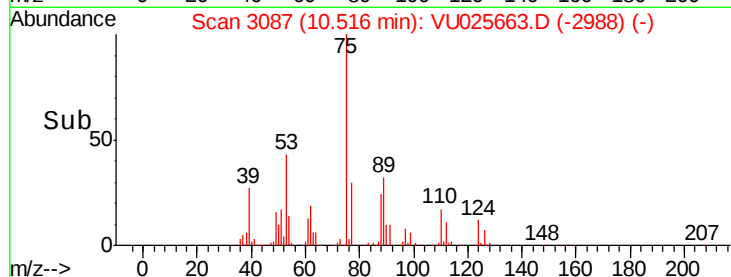
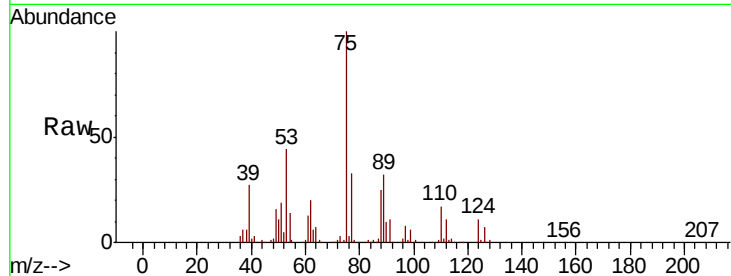
#81
trans-1,4-Dichloro-2-butene
Concen: 145.75 ug/l m
RT: 10.52 min Scan# 3087
Delta R.T. 0.02 min
Lab File: VU025663.D
Acq: 27 Jul 2018 11:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

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

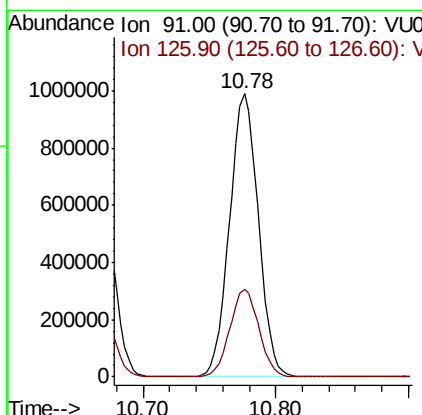
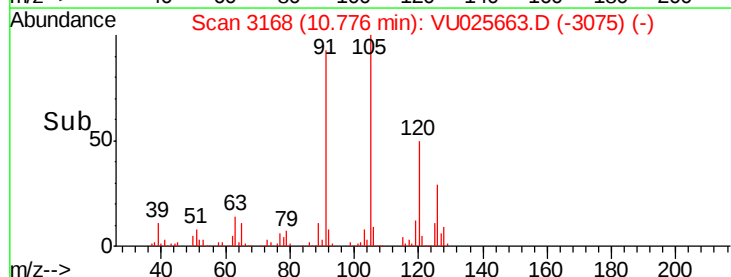
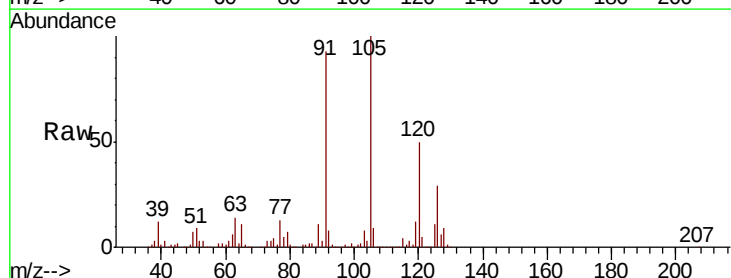
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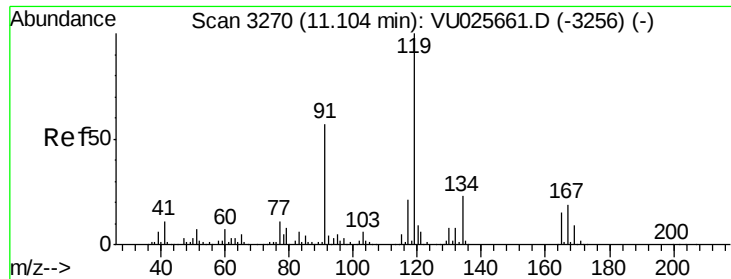
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#82
4-Chlorotoluene
Concen: 137.26 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025663.D
Acq: 27 Jul 2018 11:51

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.3	45.9





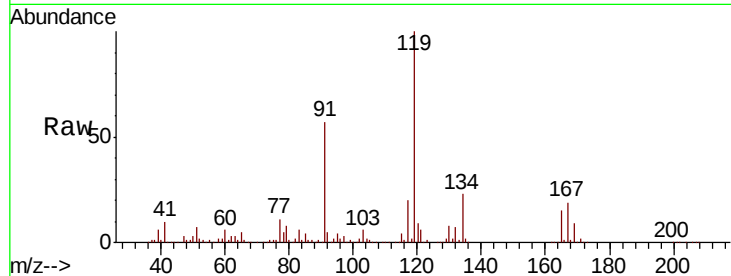
#83
 tert-Butylbenzene
 Concen: 133.36 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025663.D
 Acq: 27 Jul 2018 11:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

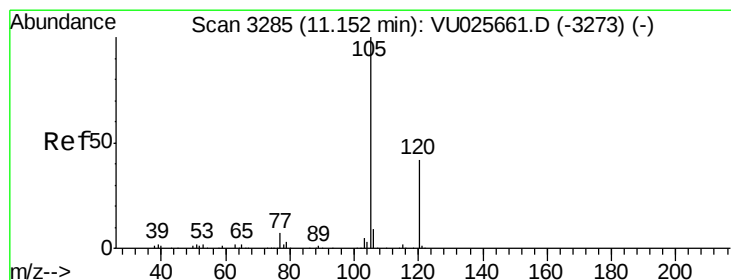
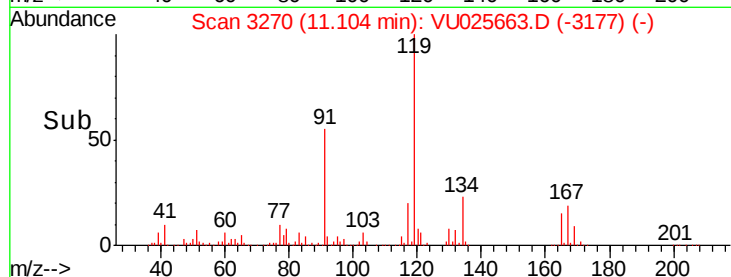
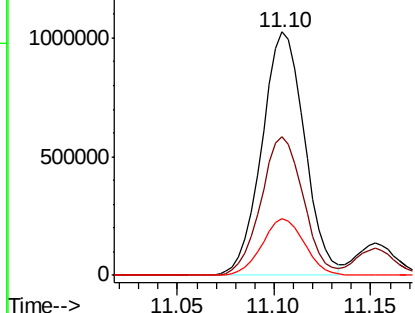
Tot Ion	Ratio	Lower	Upper
119	100		
91	56.5	29.7	89.1
134	23.1	11.5	34.5

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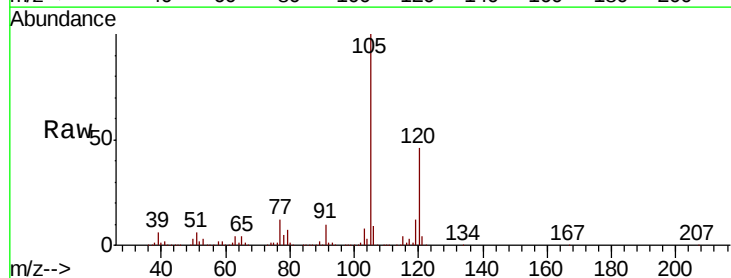


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

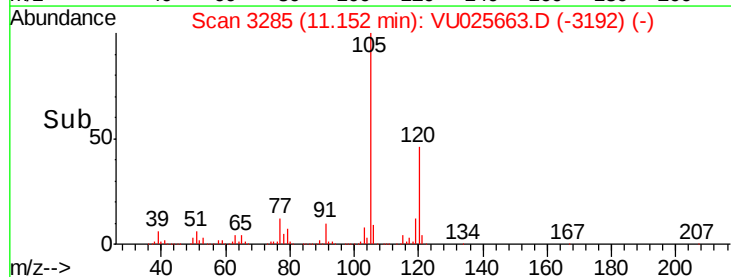
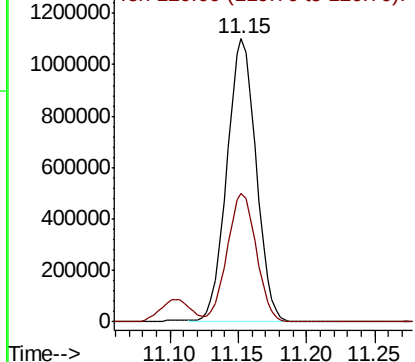


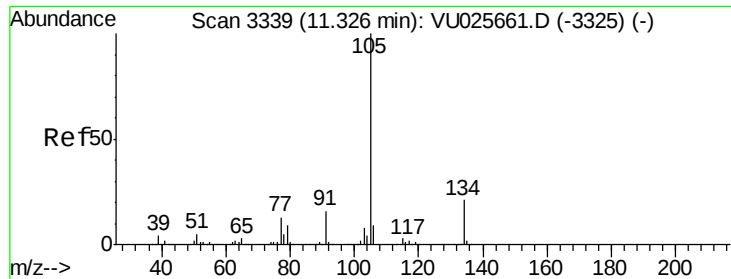
#84
 1,2,4-Trimethylbenzene
 Concen: 137.02 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025663.D
 Acq: 27 Jul 2018 11:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.3	66.8



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





#85

sec-Butylbenzene

Concen: 139.11 ug/l

RT: 11.33 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VU025663.D

Acq: 27 Jul 2018 11:51

Instrument :

MSVOA_U

ClientSampled :

VSTDIC150

Tot Ion:105 Resp: 1928120

Ion Ratio Lower Upper

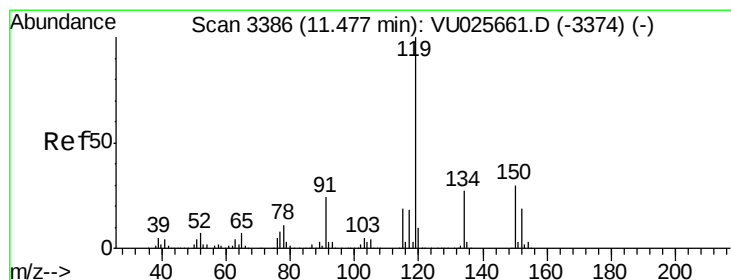
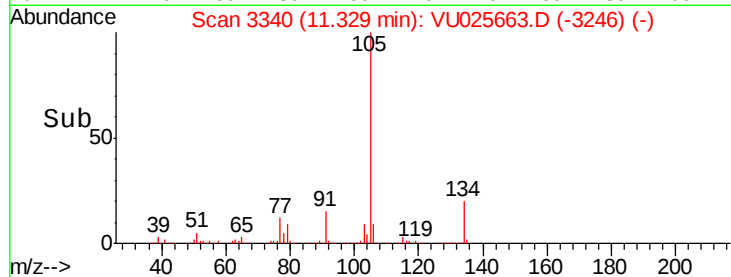
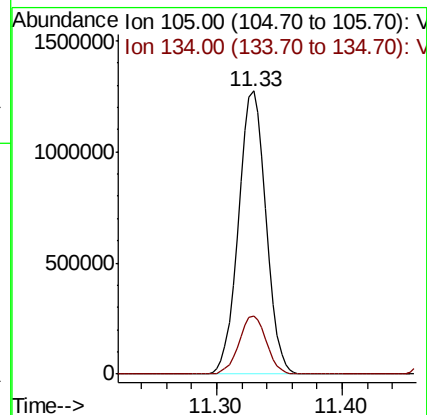
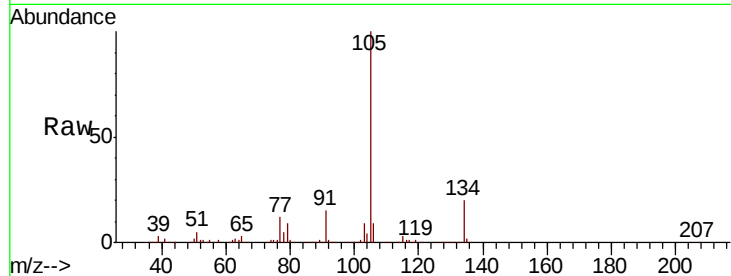
105 100

134 20.4 10.3 30.8

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#86

p-Isopropyltoluene

Concen: 143.08 ug/l

RT: 11.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU025663.D

Acq: 27 Jul 2018 11:51

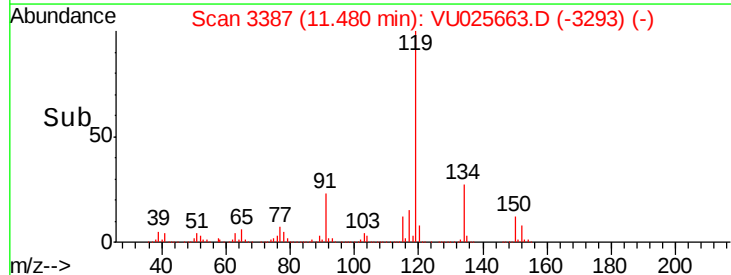
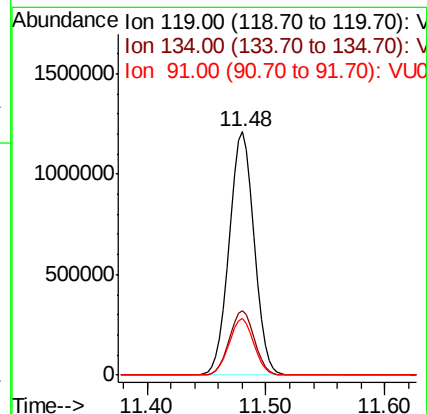
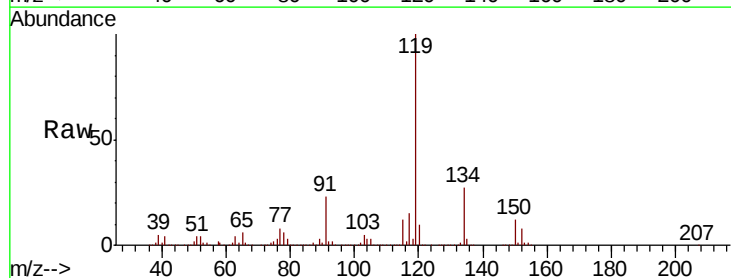
Tgt Ion:119 Resp: 1756030

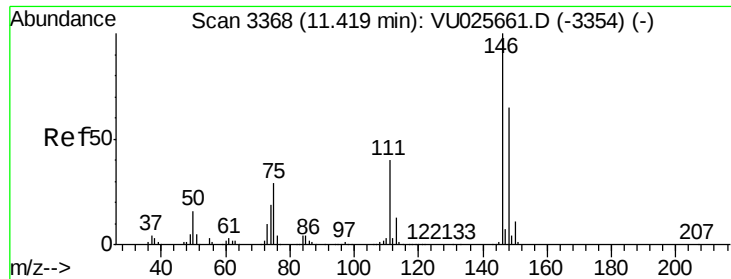
Ion Ratio Lower Upper

119 100

134 26.7 13.2 39.5

91 23.2 12.0 36.1





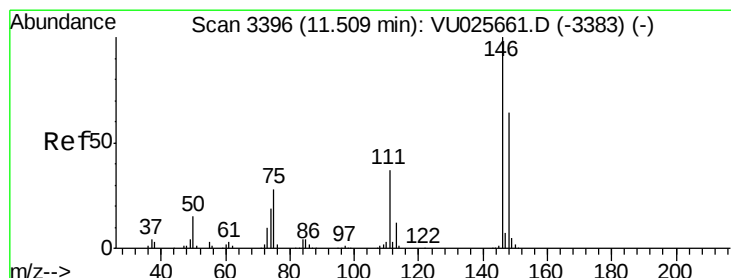
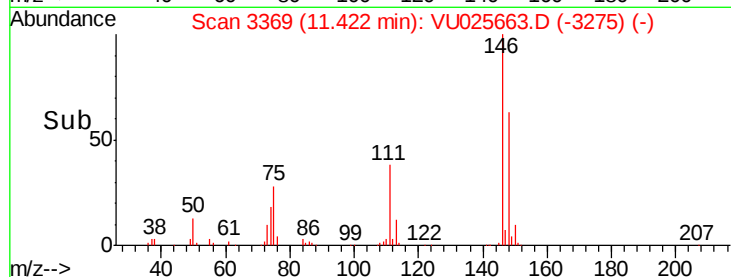
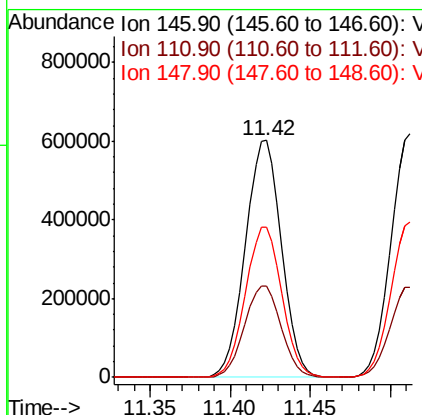
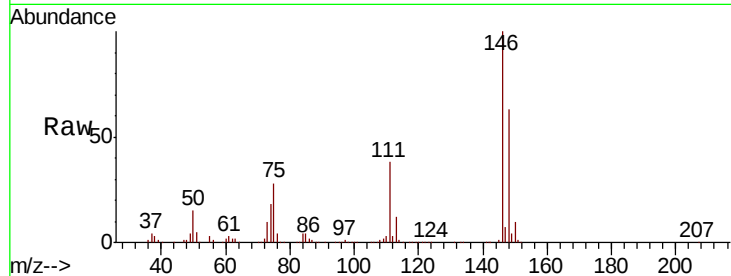
#87
 1,3-Dichlorobenzene
 Concen: 143.25 ug/l
 RT: 11.42 min Scan# 3369
 Delta R.T. 0.00 min
 Lab File: VU025663.D
 Acq: 27 Jul 2018 11:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.7	59.1
148	63.8	32.1	96.3

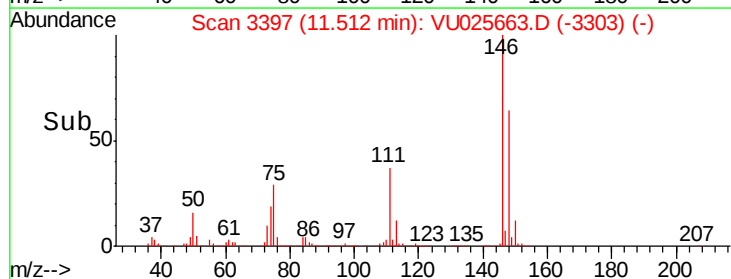
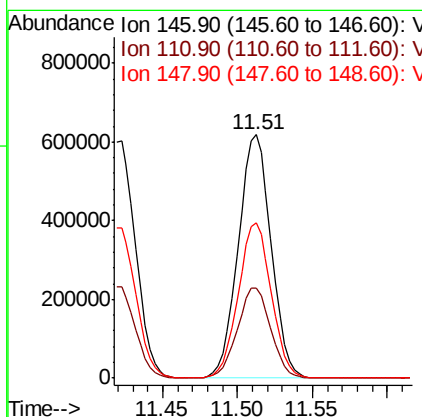
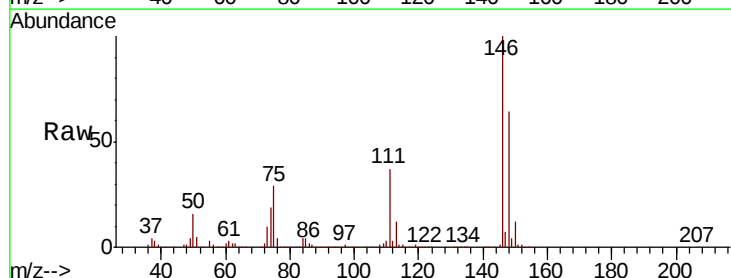
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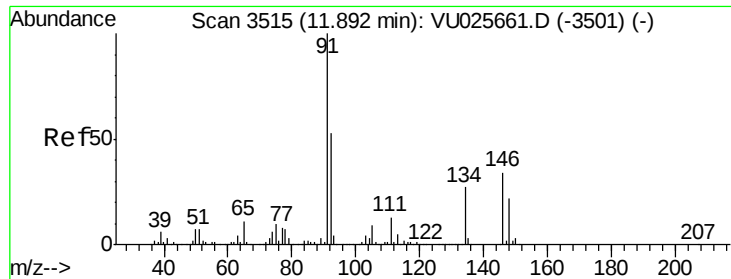
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#88
 1,4-Dichlorobenzene
 Concen: 141.74 ug/l
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU025663.D
 Acq: 27 Jul 2018 11:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.4	58.1
148	63.9	31.7	95.1





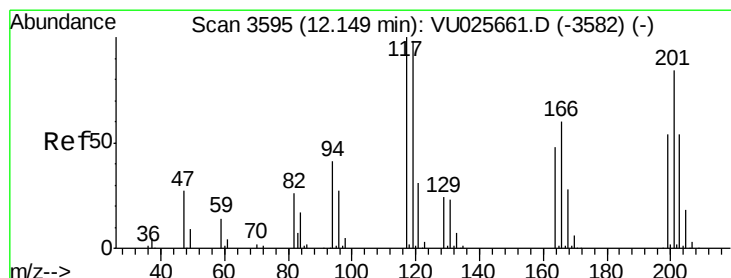
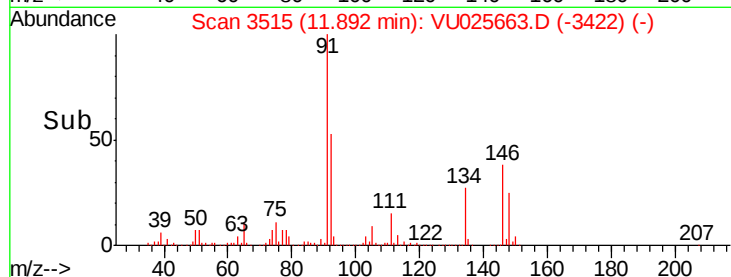
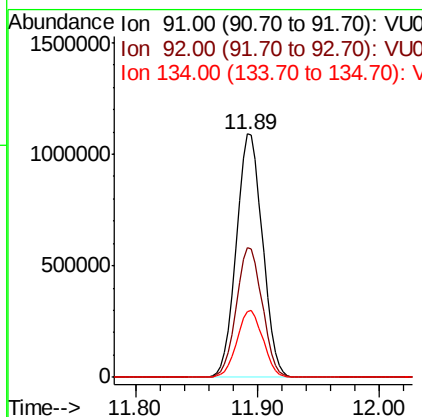
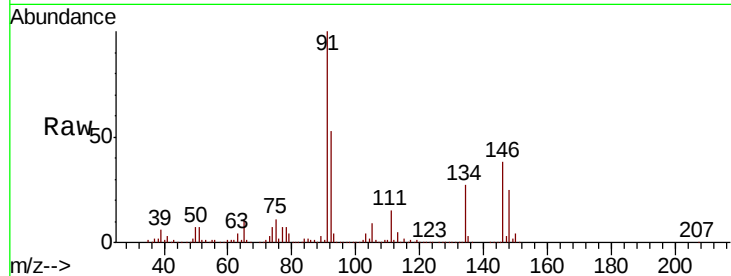
#89
n-Butylbenzene
Concen: 160.30 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU025663.D
Acq: 27 Jul 2018 11:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.5	79.5
134	27.3	13.6	40.7

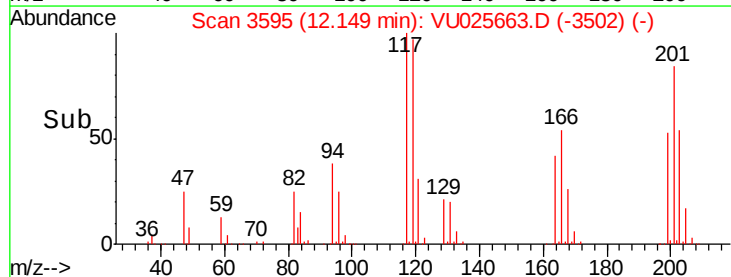
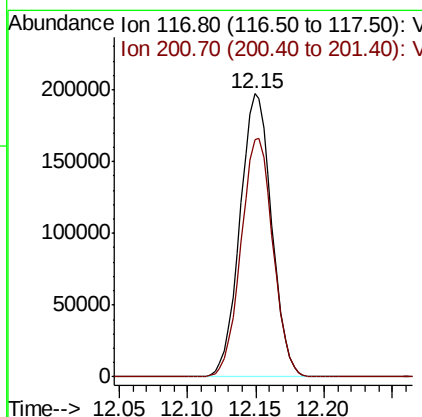
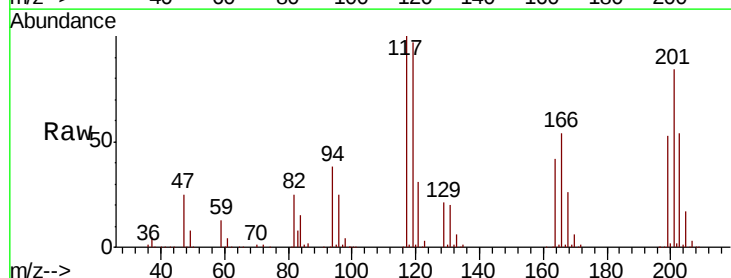
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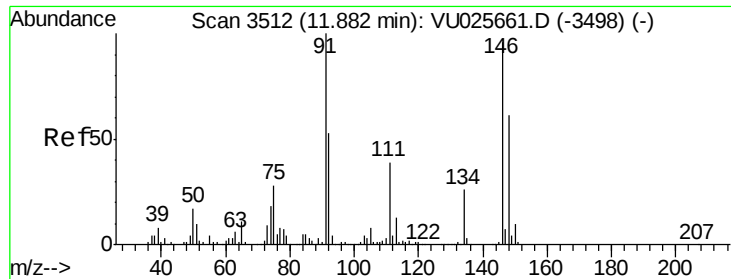
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#90
Hexachloroethane
Concen: 153.15 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025663.D
Acq: 27 Jul 2018 11:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.6	42.5	127.6





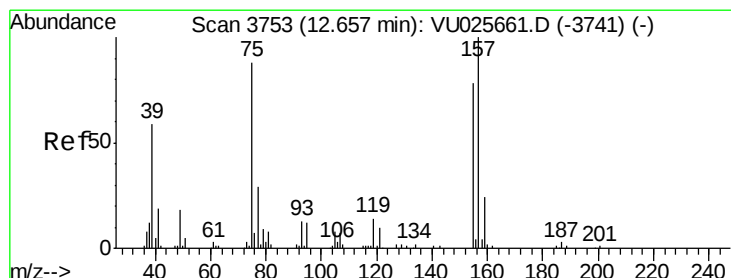
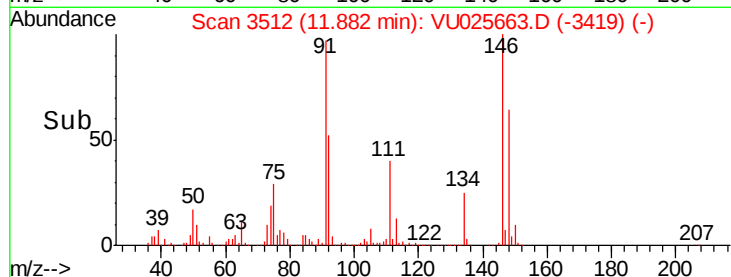
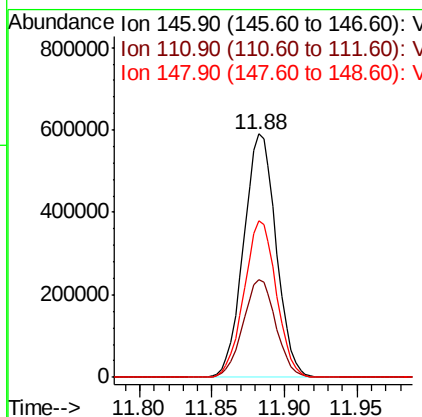
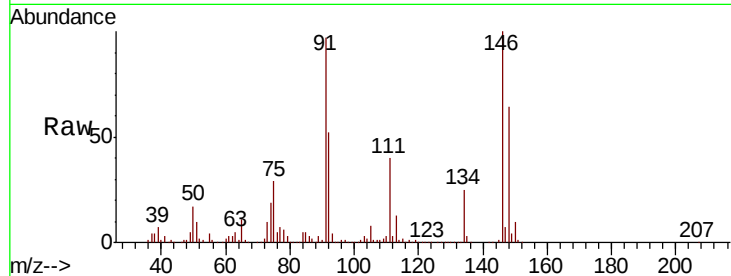
#91
 1,2-Dichlorobenzene
 Concen: 140.74 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025663.D
 Acq: 27 Jul 2018 11:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.6	61.8
148	64.1	31.5	94.5

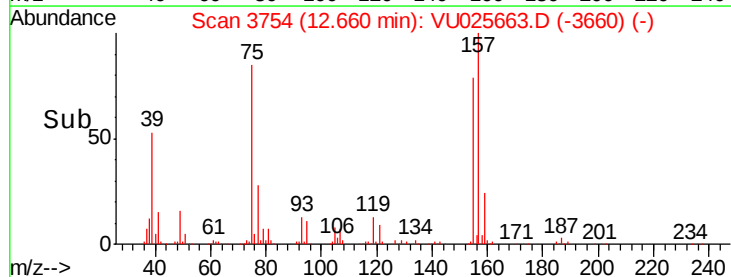
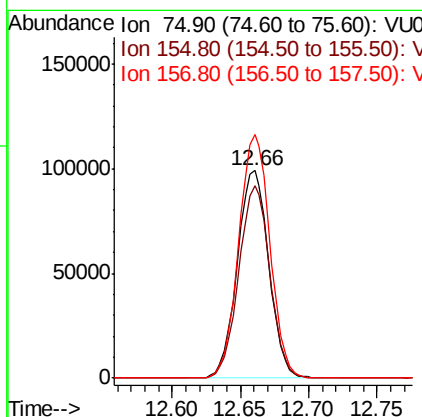
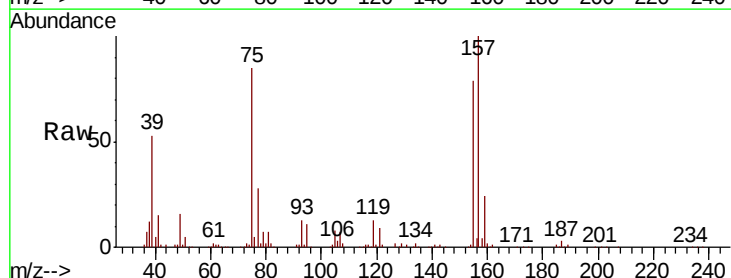
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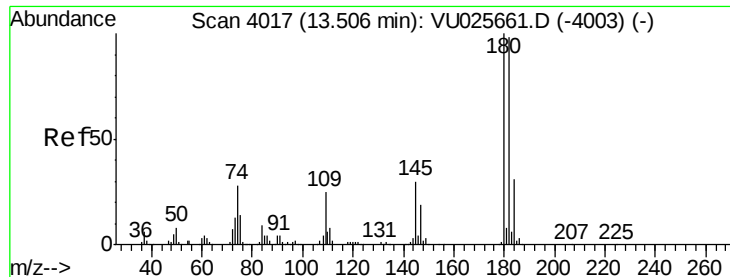
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 144.69 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU025663.D
 Acq: 27 Jul 2018 11:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.2	44.5	133.3
157	116.2	57.0	170.8





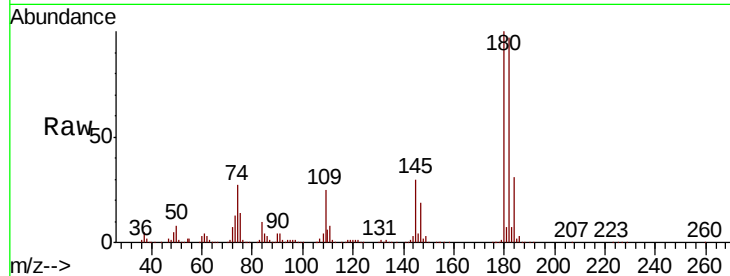
#93
 1,2,4-Trichlorobenzene
 Concen: 157.37 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025663.D
 Acq: 27 Jul 2018 11:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.3	141.9
145	30.3	14.9	44.7

Manual Integrations
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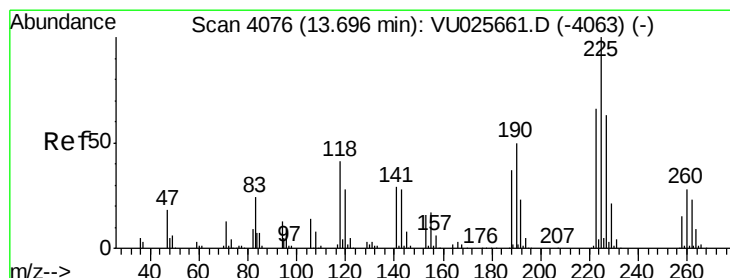
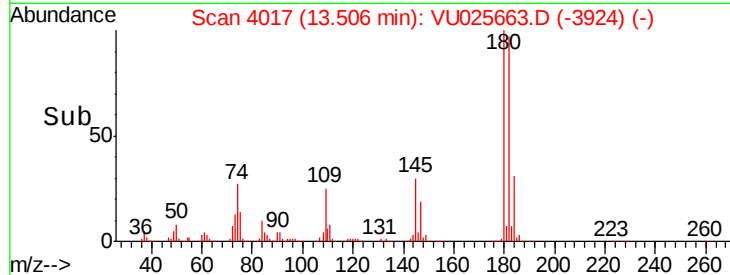
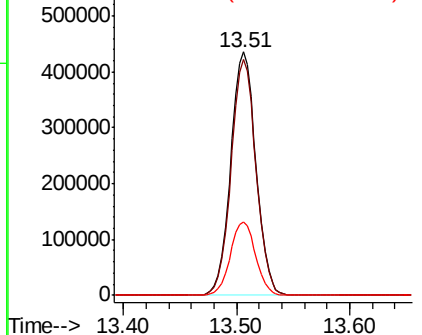


Abundance

Ion 179.80 (179.50 to 180.50): V

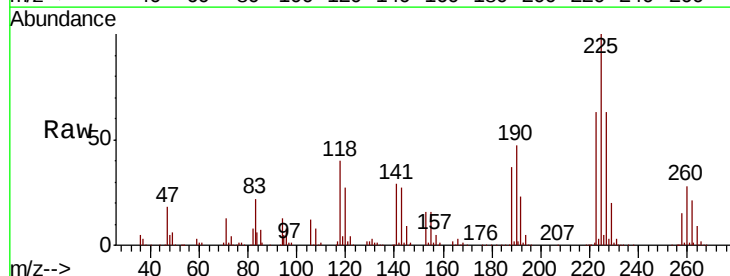
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 139.39 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025663.D
 Acq: 27 Jul 2018 11:51

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.9	95.7
227	63.4	32.3	96.9

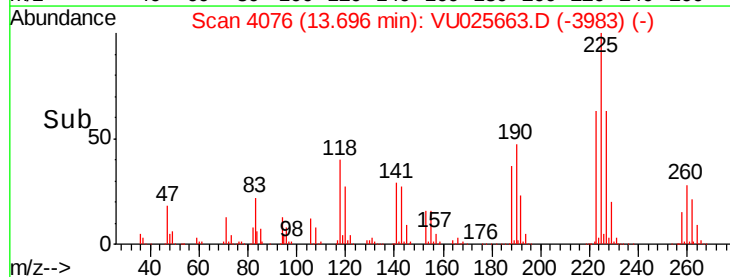
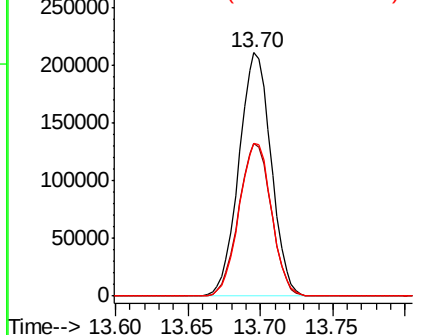


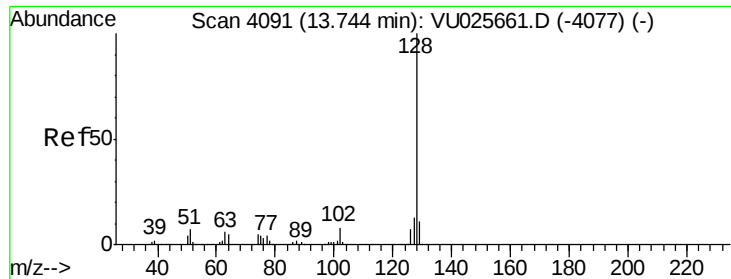
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 139.00 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025663.D

Acq: 27 Jul 2018 11:51

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 2048191

Ion Ratio Lower Upper

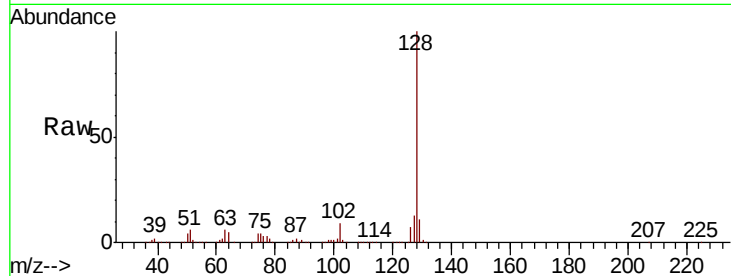
128 100

127 12.9 10.5 15.7

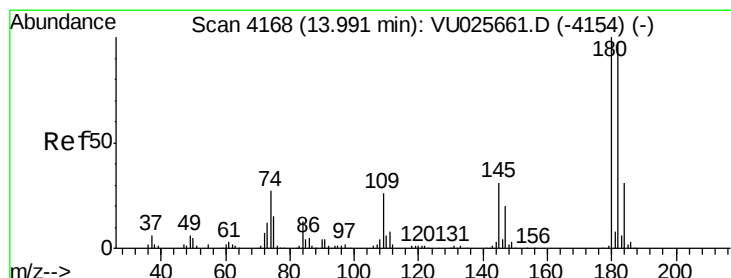
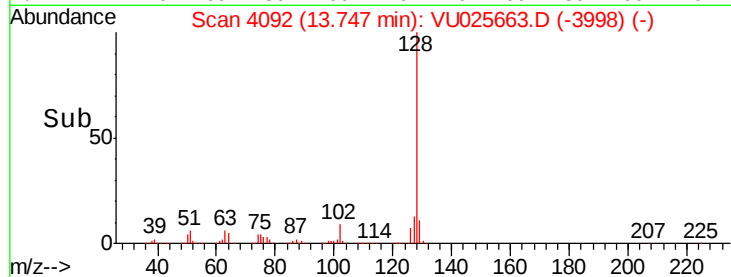
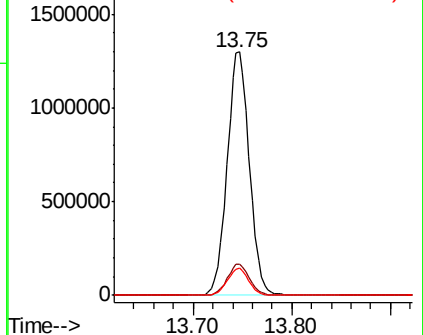
129 10.8 8.3 12.5

Manual Integrations
APPROVED

MMDadoda
7/31/2018 3:48:18 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 144.31 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU025663.D

Acq: 27 Jul 2018 11:51

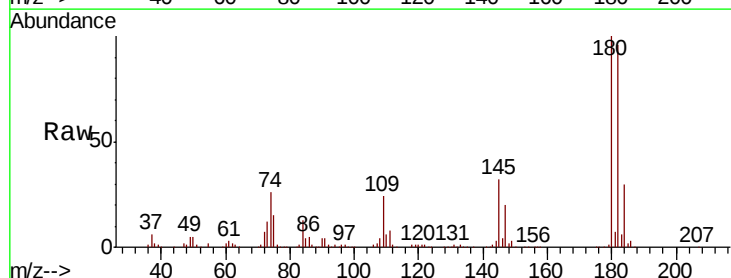
Tgt Ion:180 Resp: 666550

Ion Ratio Lower Upper

180 100

182 96.1 47.8 143.3

145 31.6 15.6 46.8



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

