

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080118\
 Data File : VU025760.D
 Acq On : 01 Aug 2018 08:09
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/2/2018 9:41:15 AM

Quant Time: Aug 01 14:52:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 16:07:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	184778	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	269664	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	257281	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	170277	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	134645	46.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.54%	
35) Dibromofluoromethane	4.89	113	110540	47.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.26%	
50) Toluene-d8	7.57	98	394982	48.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.26%	
62) 4-Bromofluorobenzene	10.31	95	152340	47.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	149489	53.527	ug/l	99
3) Chloromethane	1.33	50	116928	43.804	ug/l	98
4) Vinyl Chloride	1.40	62	121991	48.563	ug/l	99
5) Bromomethane	1.62	94	61144	49.835	ug/l	97
6) Chloroethane	1.69	64	70848	48.233	ug/l	99
7) Trichlorofluoromethane	1.88	101	183837	50.616	ug/l	100
8) Diethyl Ether	2.10	74	63612	48.406	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.28	101	106349	50.598	ug/l	99
10) Methyl Iodide	2.41	142	89212	46.279	ug/l	99
11) Tert butyl alcohol	2.83	59	142528	226.116	ug/l	99
12) 1,1-Dichloroethene	2.28	96	94890	47.828	ug/l	96
13) Acrolein	2.19	56	59745	261.818	ug/l	99
14) Allyl chloride	2.59	41	170136	47.719	ug/l	98
15) Acrylonitrile	2.93	53	304688	242.102	ug/l	98
16) Acetone	2.32	43	347184	247.343	ug/l	98
17) Carbon Disulfide	2.48	76	303382	47.249	ug/l	100
18) Methyl Acetate	2.61	43	186473	55.195	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	362609	50.435	ug/l	99
20) Methylene Chloride	2.70	84	116313	46.757	ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	112559	49.078	ug/l	100
22) Diisopropyl ether	3.57	45	358244	50.990	ug/l	95
23) Vinyl Acetate	3.53	43	1492579	243.770	ug/l	99
24) 1,1-Dichloroethane	3.45	63	211237	50.086	ug/l	99
25) 2-Butanone	4.26	43	464923	243.319	ug/l	99
26) 2,2-Dichloropropane	4.23	77	200745	52.367	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	126282	48.838	ug/l	98
28) Bromochloromethane	4.55	49	96862	51.367	ug/l	100
29) Tetrahydrofuran	4.64	42	267735	233.879	ug/l	100
30) Chloroform	4.68	83	219823	49.379	ug/l	99
31) Cyclohexane	5.00	56	183804	50.104	ug/l	97
32) 1,1,1-Trichloroethane	4.91	97	202267	50.465	ug/l	99
36) 1,1-Dichloropropene	5.14	75	164307	52.137	ug/l	98
37) Ethyl Acetate	4.38	43	159966	48.953	ug/l	100
38) Carbon Tetrachloride	5.14	117	186739	52.315	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	192423	53.290	ug/l	98
40) Benzene	5.39	78	460559	49.996	ug/l	98
41) Methacrylonitrile	4.54	41	90394	49.804	ug/l	99
42) 1,2-Dichloroethane	5.41	62	176656	49.803	ug/l	99
43) Isopropyl Acetate	5.55	43	264980	49.072	ug/l	98
44) Trichloroethene	6.19	130	131342	51.197	ug/l	99
45) 1,2-Dichloropropane	6.44	63	122762	51.098	ug/l	97
46) Dibromomethane	6.56	93	88075	50.594	ug/l	99
47) Bromodichloromethane	6.76	83	171891	51.765	ug/l	98
48) Methyl methacrylate	6.62	41	134842	50.950	ug/l	97
49) 1,4-Dioxane	6.62	88	65582	1018.302	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	832242	246.176	ug/l	99
52) Toluene	7.64	92	301176	52.626	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	199499	53.508	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	205327	53.611	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	124123	52.190	ug/l	98
56) Ethyl methacrylate	8.02	69	179480	52.818	ug/l	96
57) 1,3-Dichloropropane	8.25	76	206115	51.534	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	346256	225.725	ug/l	100
59) 2-Hexanone	8.36	43	670797	253.127	ug/l	98
60) Dibromochloromethane	8.48	129	146453	52.218	ug/l	100
61) 1,2-Dibromoethane	8.59	107	133988	50.657	ug/l	100
64) Tetrachloroethene	8.23	164	121578	53.687	ug/l	98
65) Chlorobenzene	9.12	112	348294	52.507	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	132089	55.046	ug/l	99
67) Ethyl Benzene	9.25	91	588563	53.566	ug/l	100
68) m/p-Xylenes	9.38	106	464282	110.061	ug/l	99
69) o-Xylene	9.78	106	222336	53.929	ug/l	99
70) Styrene	9.80	104	366869	55.091	ug/l	98
71) Bromoform	9.96	173	113967	54.773	ug/l #	98
73) Isopropylbenzene	10.17	105	611966	52.657	ug/l	99
74) N-amyl acetate	10.01	43	243397	51.301	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	194751	48.458	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	177788m	47.388	ug/l	
77) Bromobenzene	10.45	156	161679	50.436	ug/l	98
78) n-propylbenzene	10.59	91	724285	53.395	ug/l	99
79) 2-Chlorotoluene	10.66	91	418078	52.621	ug/l	100
80) 1,3,5-Trimethylbenzene	10.78	105	526471	53.340	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.51	75	67831m	45.335	ug/l	
82) 4-Chlorotoluene	10.78	91	500986	53.493	ug/l	98
83) tert-Butylbenzene	11.10	119	519091	52.933	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	544256	54.415	ug/l	98
85) sec-Butylbenzene	11.33	105	633846	52.940	ug/l	100
86) p-Isopropyltoluene	11.48	119	580073	54.107	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	308031	51.769	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	311883	50.284	ug/l	99
89) n-Butylbenzene	11.89	91	533413	53.917	ug/l	99
90) Hexachloroethane	12.15	117	100182	52.557	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	303661	52.066	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	46950	49.276	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	217875	55.350	ug/l	98
94) Hexachlorobutadiene	13.70	225	102851	49.567	ug/l	100
95) Naphthalene	13.74	128	619395	49.014	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	212536	54.126	ug/l	99

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

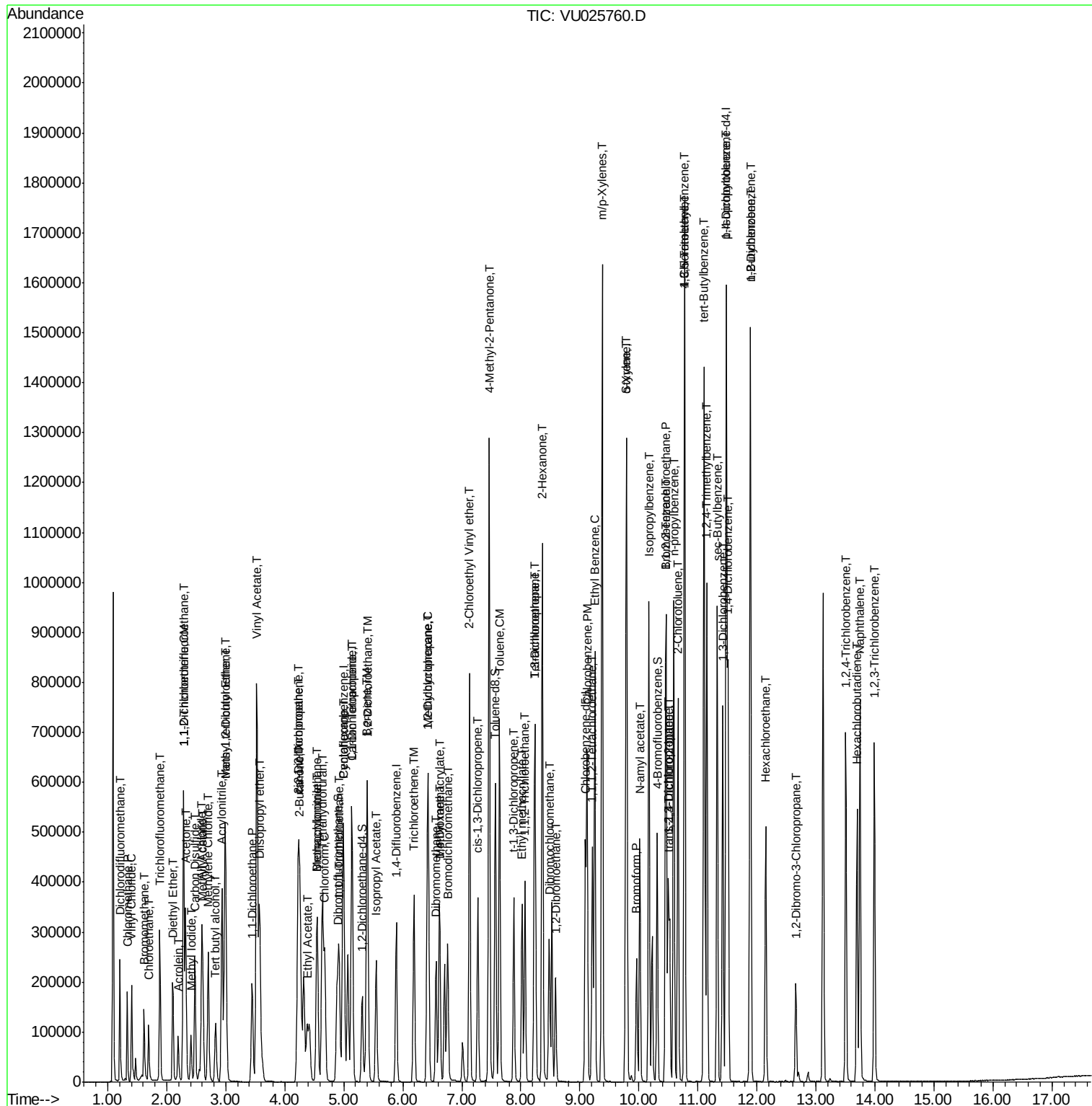
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU080118\
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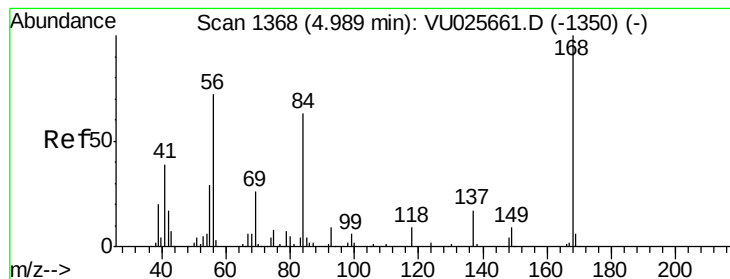
Instrument :
MSVOA_U
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VU025760.D

Acq: 01 Aug 2018 08:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 184778

Ion Ratio Lower Upper

168 100

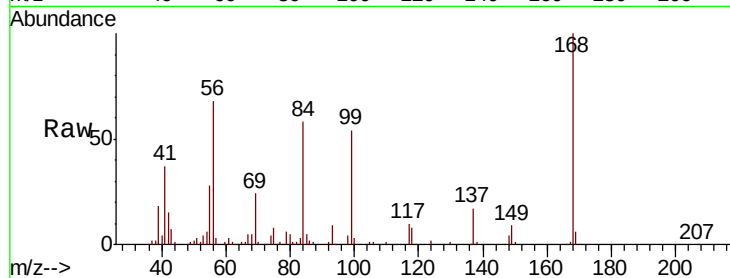
99 53.8 42.8 64.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU025760.D (-1350) (-)

Ion 98.90 (98.60 to 99.60): VU025760.D (-1350) (-)

80000

60000

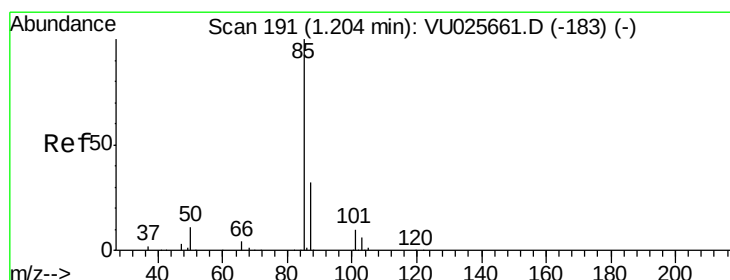
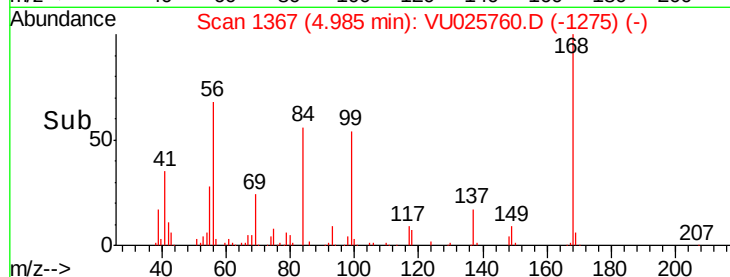
40000

20000

0

4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 53.527 ug/l

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU025760.D

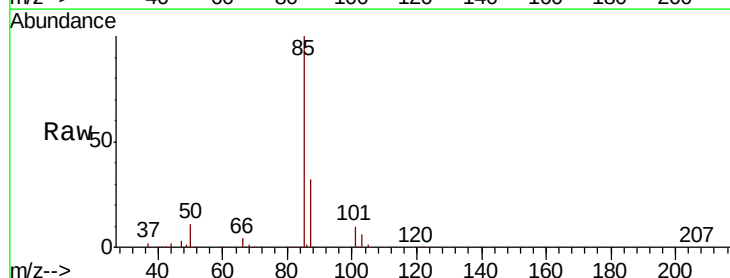
Acq: 01 Aug 2018 08:09

Tgt Ion: 85 Resp: 149489

Ion Ratio Lower Upper

85 100

87 32.2 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU025760.D (-98) (-)

Ion 86.90 (86.60 to 87.60): VU025760.D (-98) (-)

150000

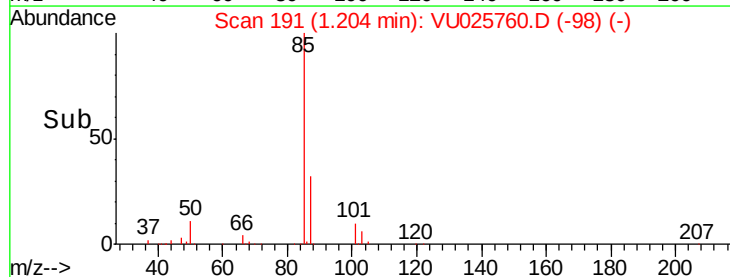
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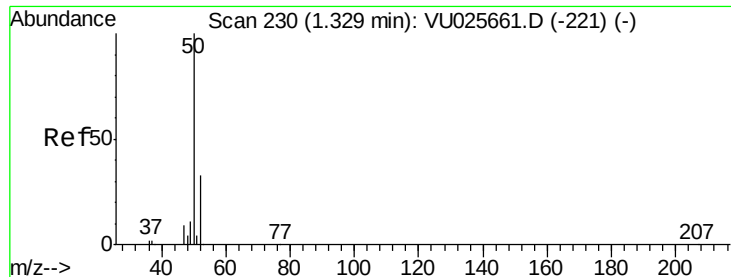
50000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 43.804 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU025760.D

Acq: 01 Aug 2018 08:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 116928

Ion Ratio Lower Upper

50 100

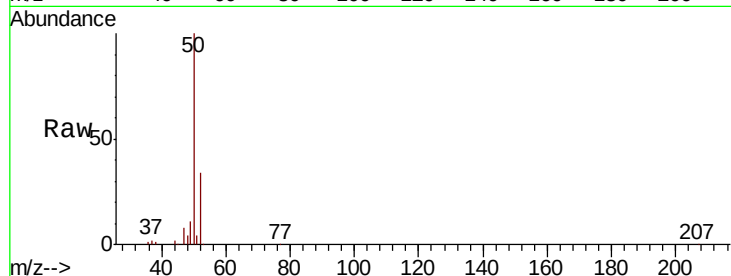
52 34.2 26.5 39.7

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VU025760.D (-137) (-)

Ion 51.90 (51.60 to 52.60): VU025760.D (-137) (-)

1.33

120000

100000

80000

60000

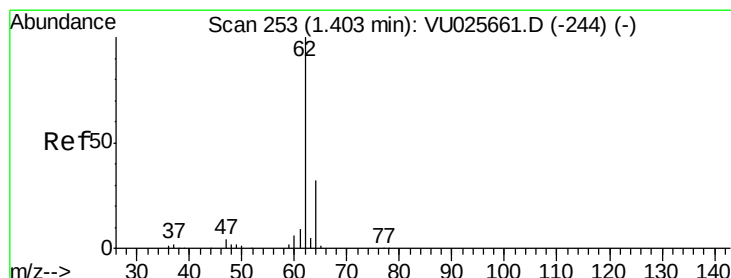
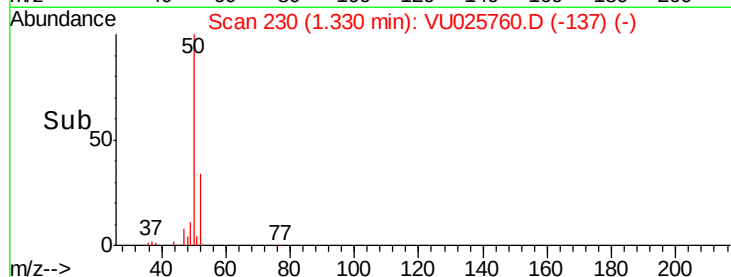
40000

20000

0

1.30 1.35 1.40

Time-->



#4

Vinyl Chloride

Concen: 48.563 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025760.D

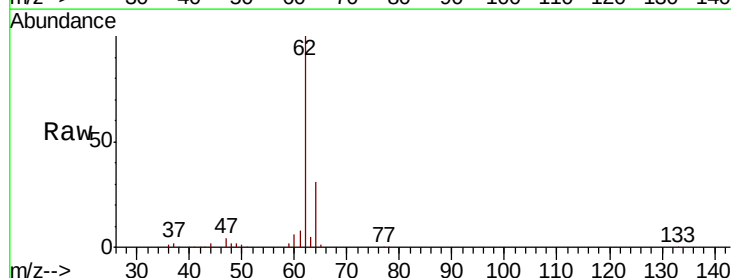
Acq: 01 Aug 2018 08:09

Tgt Ion: 62 Resp: 121991

Ion Ratio Lower Upper

62 100

64 31.3 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VU025760.D (-160) (-)

Ion 63.90 (63.60 to 64.60): VU025760.D (-160) (-)

1.40

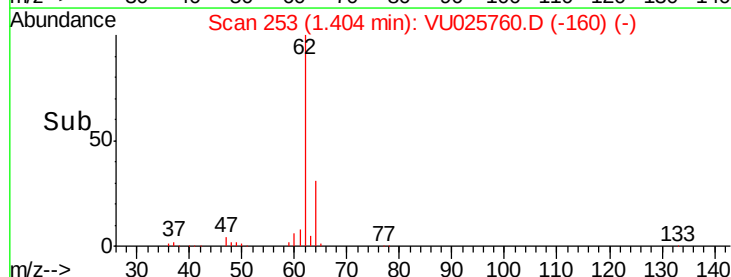
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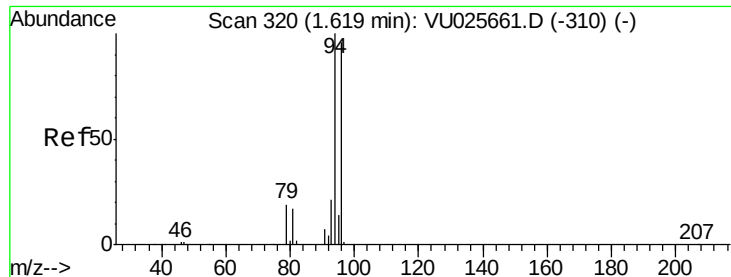
50000

0

1.35 1.40 1.45

Time-->





#5

Bromomethane

Concen: 49.835 ug/l

RT: 1.62 min Scan# 319

Delta R.T. -0.00 min

Lab File: VU025760.D

Acq: 01 Aug 2018 08:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 61144

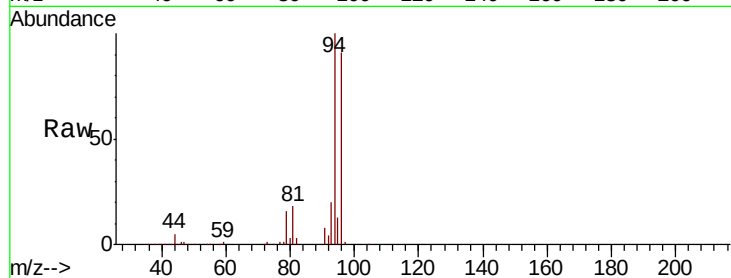
Ion Ratio Lower Upper

94 100

96 91.3 75.0 112.4

Manual Integrations
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Abundance Ion 93.90 (93.60 to 94.60): VU025760.D (-319) (-)

Ion 95.90 (95.60 to 96.60): VU025760.D (-319) (-)

1.62

50000

40000

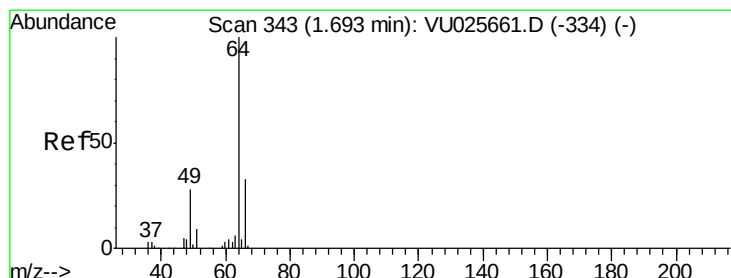
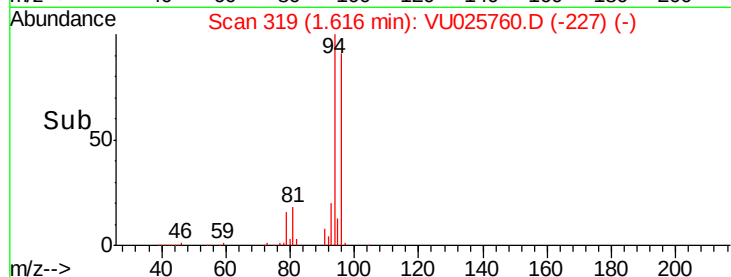
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 48.233 ug/l

RT: 1.69 min Scan# 343

Delta R.T. 0.00 min

Lab File: VU025760.D

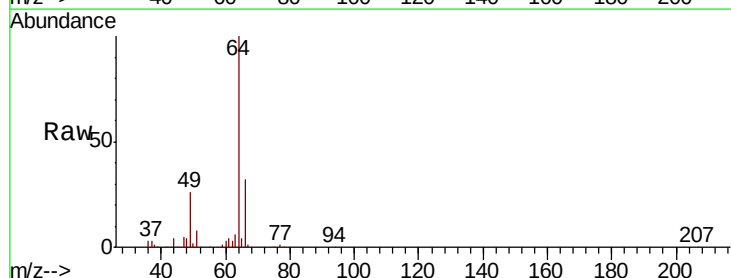
Acq: 01 Aug 2018 08:09

Tgt Ion: 64 Resp: 70848

Ion Ratio Lower Upper

64 100

66 31.6 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VU025760.D (-343) (-)

Ion 65.90 (65.60 to 66.60): VU025760.D (-343) (-)

1.69

60000

50000

40000

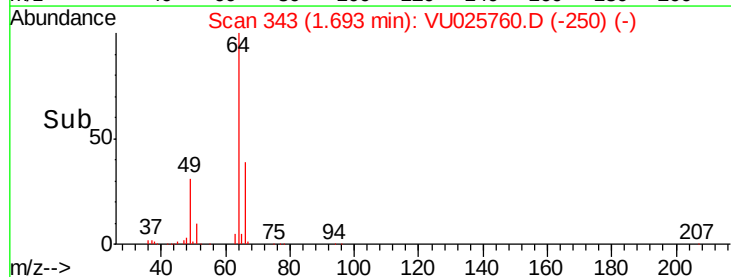
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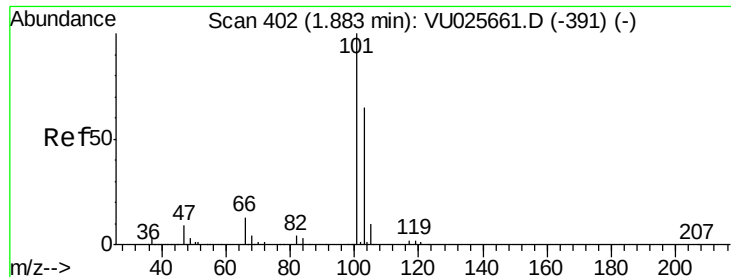
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10000

0

Time-->





#7

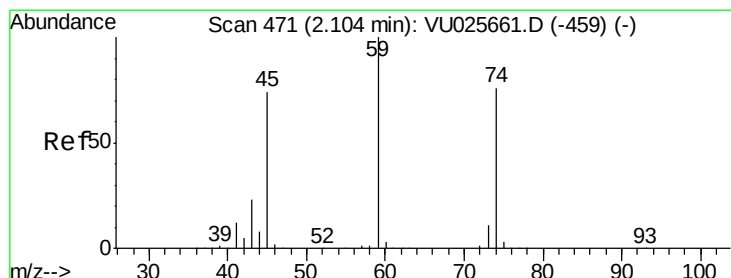
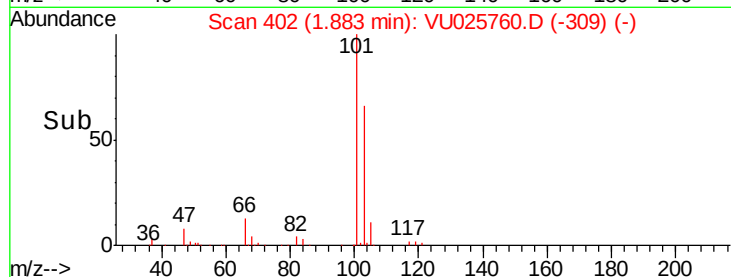
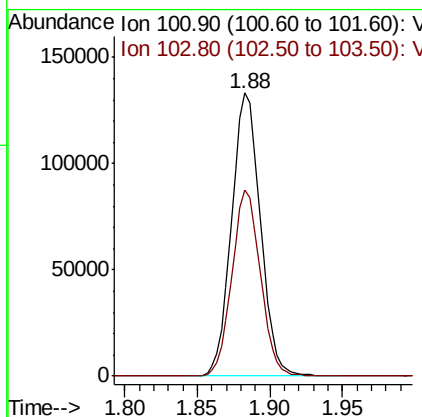
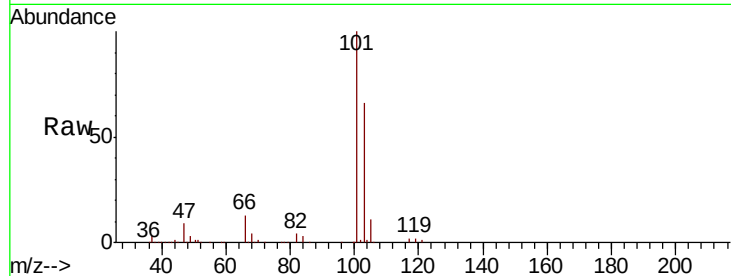
Trichlorofluoromethane
 Concen: 50.616 ug/l
 RT: 1.88 min Scan# 402
 Delta R.T. 0.00 min
 Lab File: VU025760.D
 Acq: 01 Aug 2018 08:09

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

Manual Integrations
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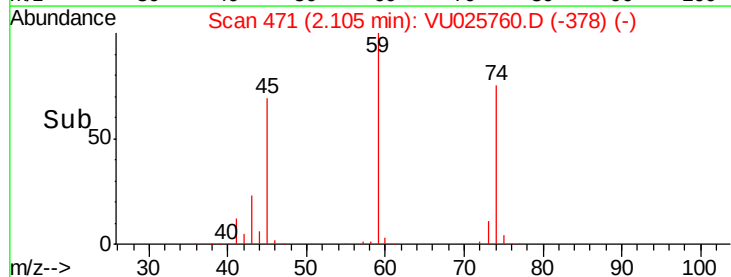
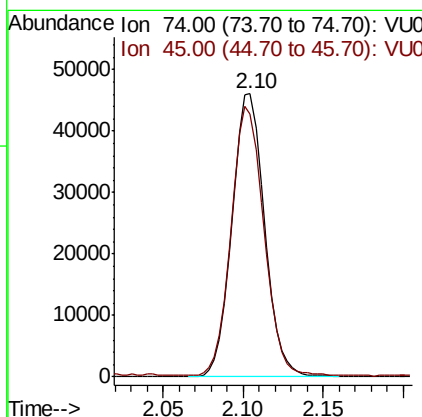
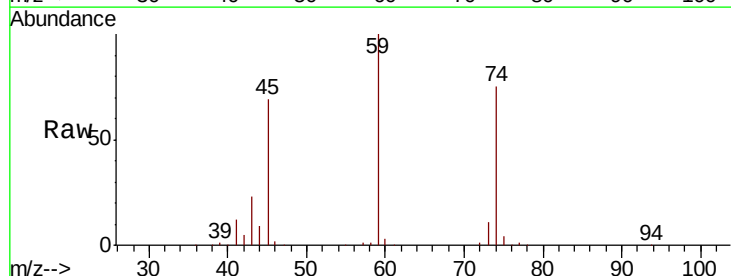
MMDadoda
 8/2/2018 9:41:15 AM

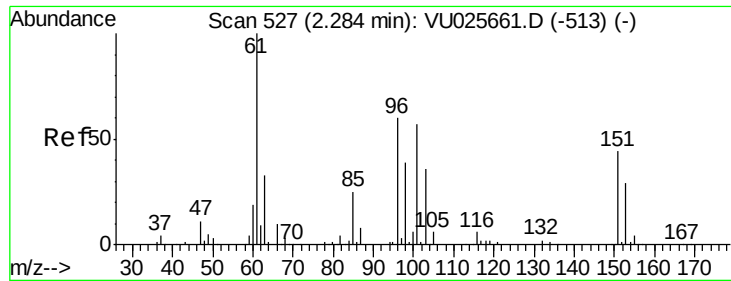


#8

Diethyl Ether
 Concen: 48.406 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU025760.D
 Acq: 01 Aug 2018 08:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.2	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.598 ug/l

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU025760.D

Acq: 01 Aug 2018 08:09

Instrument :

MSVOA_U

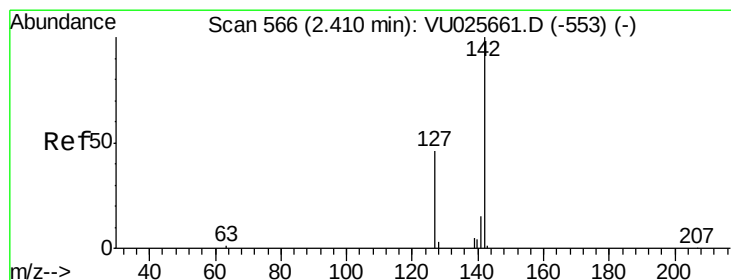
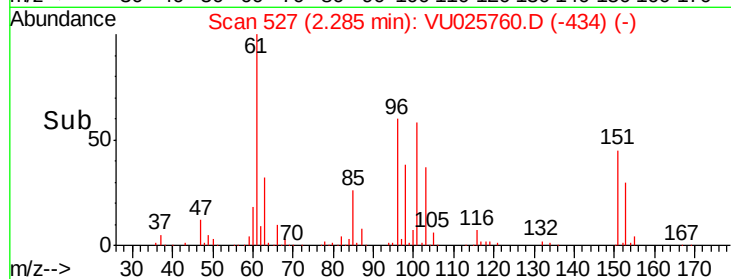
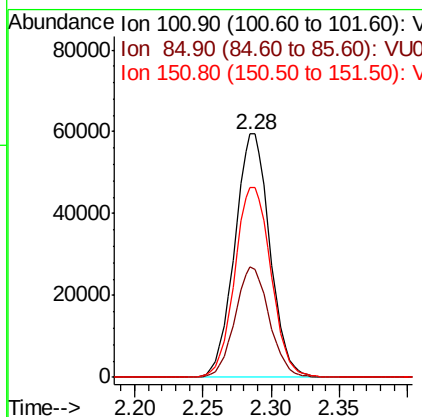
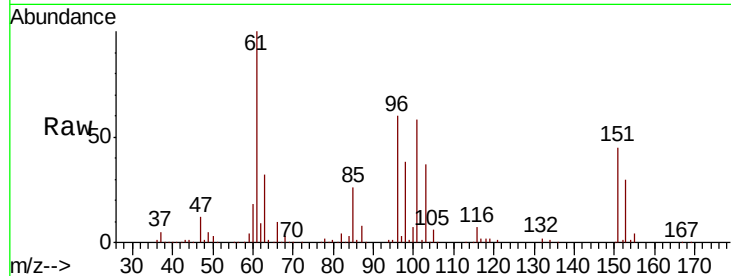
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	106349
Ion Ratio	Lower	Upper	
101	100		
85	44.2	36.0	54.0
151	80.6	65.6	98.4

Manual Integrations
APPROVED

MMDadoda
8/2/2018 9:41:15 AM



#10

Methyl Iodide

Concen: 46.279 ug/l

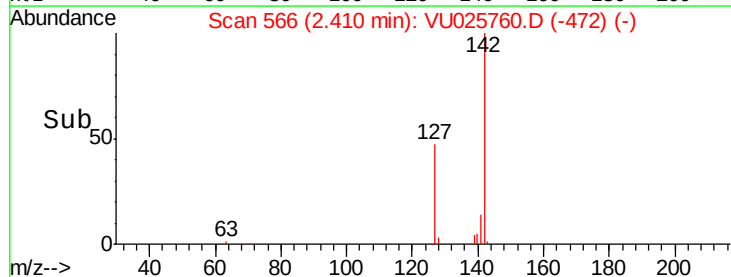
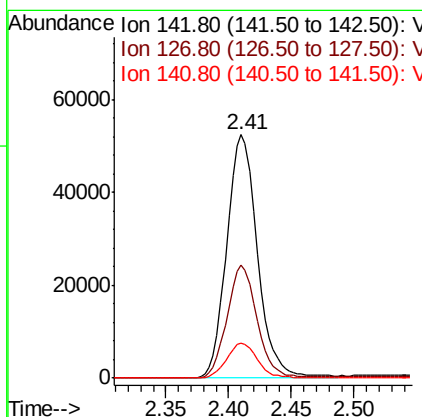
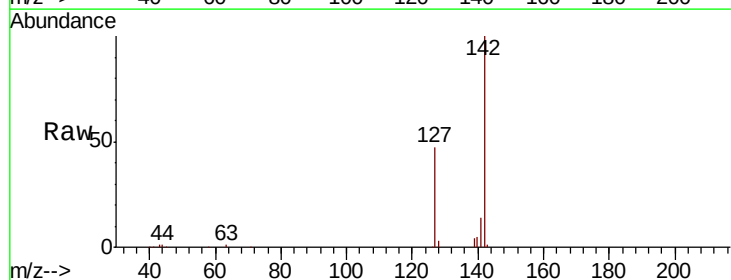
RT: 2.41 min Scan# 566

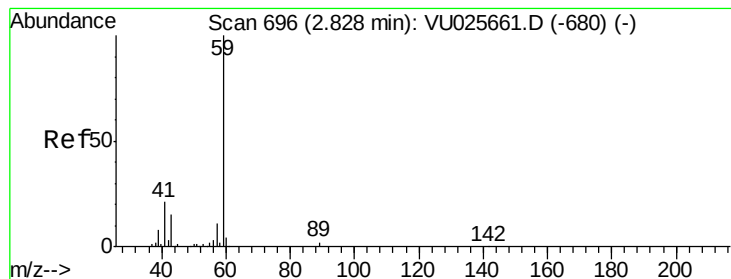
Delta R.T. 0.00 min

Lab File: VU025760.D

Acq: 01 Aug 2018 08:09

Tgt Ion:	142	Resp:	89212
Ion Ratio	Lower	Upper	
142	100		
127	45.2	36.5	54.7
141	14.4	11.4	17.2





#11

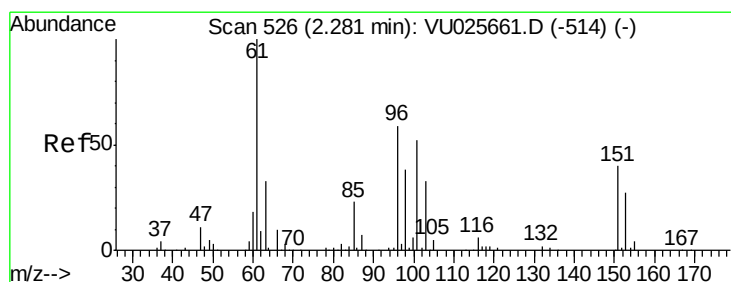
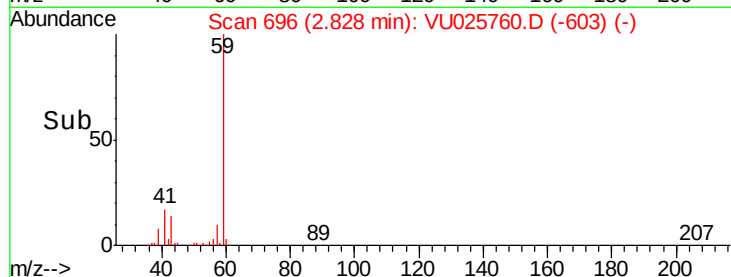
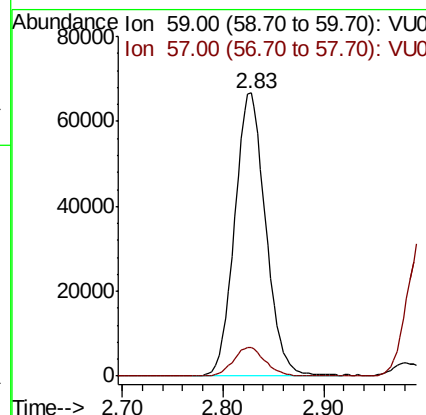
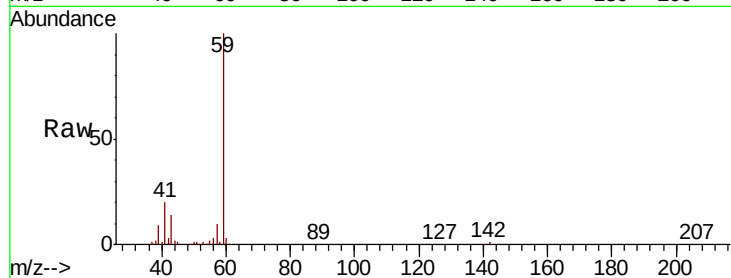
Tert butyl alcohol
Concen: 226.116 ug/l
RT: 2.83 min Scan# 696
Delta R.T. 0.00 min
Lab File: VU025760.D
Acq: 01 Aug 2018 08:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	142528
Ion Ratio	100	Lower	Upper
57	10.5	8.2	12.2

Manual Integrations
APPROVED

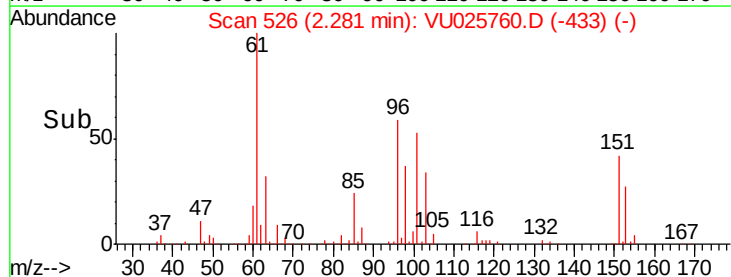
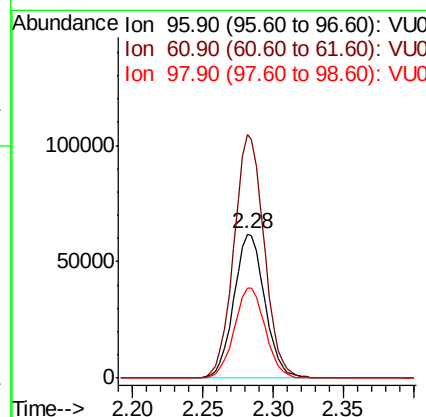
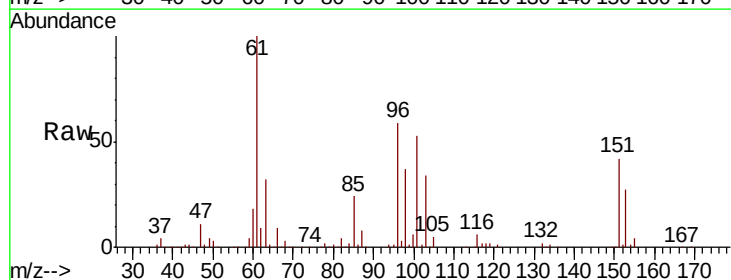
MMDadoda
8/2/2018 9:41:15 AM

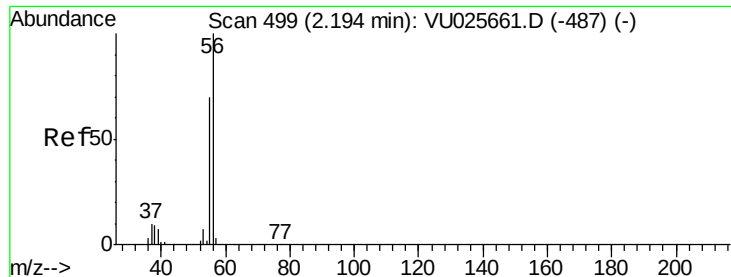


#12

1,1-Dichloroethene
Concen: 47.828 ug/l
RT: 2.28 min Scan# 526
Delta R.T. 0.00 min
Lab File: VU025760.D
Acq: 01 Aug 2018 08:09

Tgt Ion	96	Resp	94890
Ion Ratio	100	Lower	Upper
61	168.6	140.2	210.4
98	61.9	49.3	73.9





#13

Acrolein

Concen: 261.818 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025760.D

Acq: 01 Aug 2018 08:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 59745

Ion Ratio Lower Upper

56 100

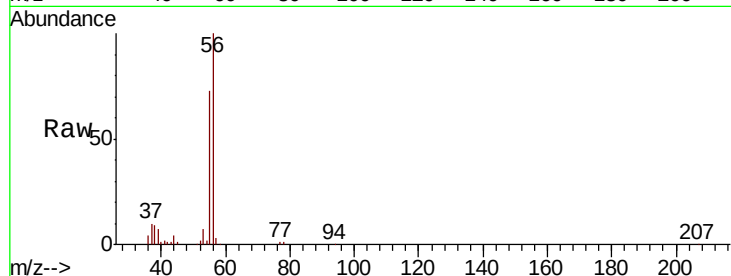
55 72.4 57.2 85.8

Manual Integrations

APPROVED

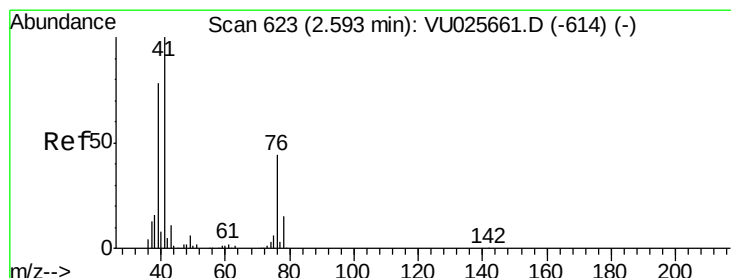
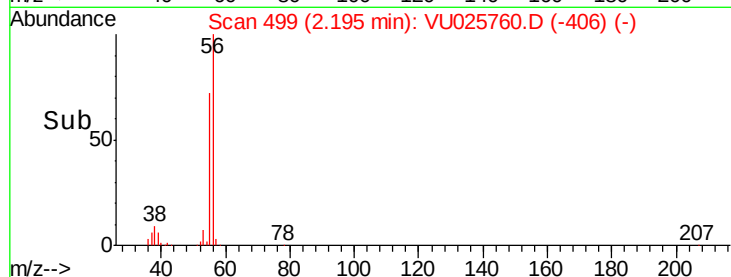
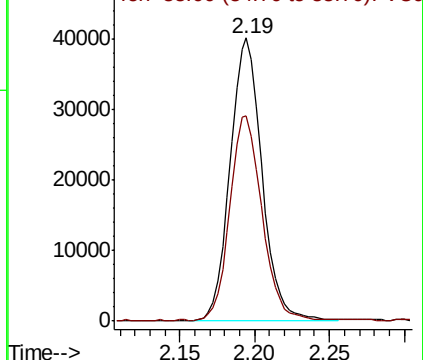
MMDadoda

8/2/2018 9:41:15 AM



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 47.719 ug/l

RT: 2.59 min Scan# 623

Delta R.T. 0.00 min

Lab File: VU025760.D

Acq: 01 Aug 2018 08:09

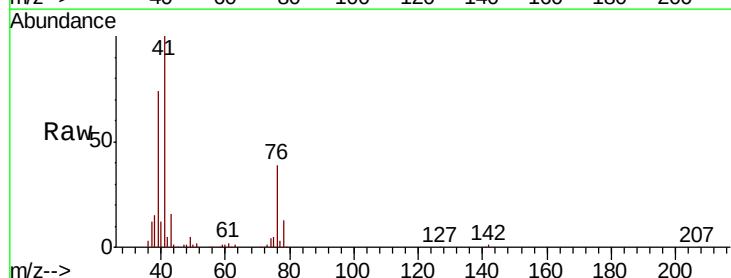
Tgt Ion: 41 Resp: 170136

Ion Ratio Lower Upper

41 100

39 73.7 60.6 91.0

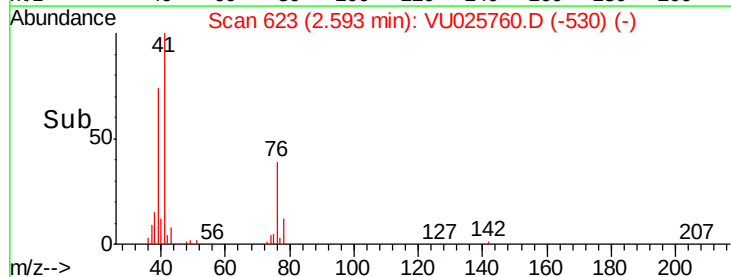
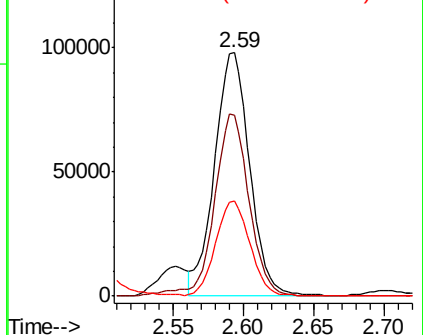
76 38.0 30.5 45.7

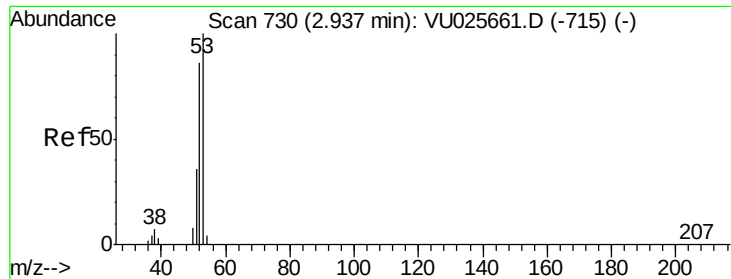


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 242.102 ug/l

RT: 2.93 min Scan# 729

Delta R.T. -0.00 min

Lab File: VU025760.D

Acq: 01 Aug 2018 08:09

Instrument :

MSVOA_U

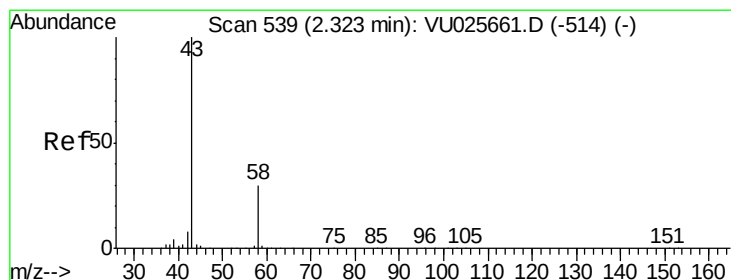
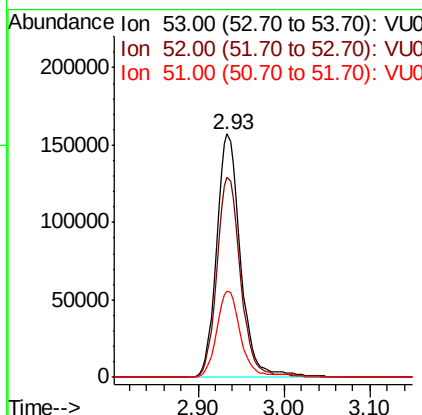
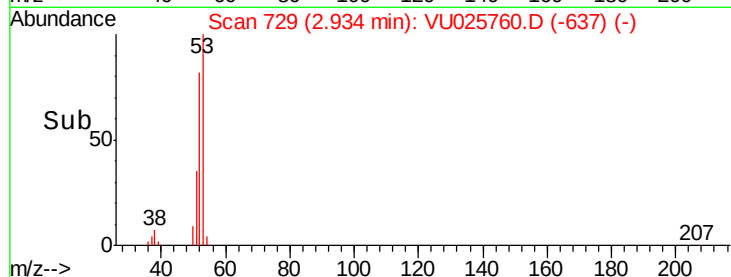
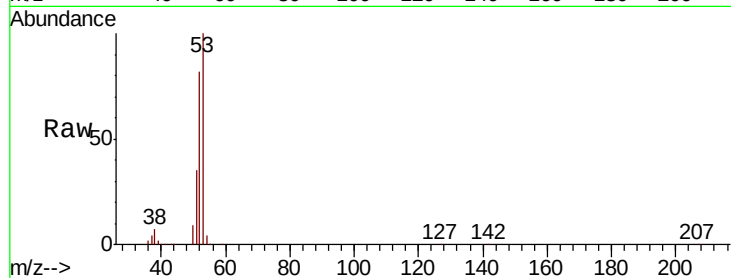
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	304688
Ion	Ratio	Lower	Upper
53	100		
52	81.4	66.6	99.8
51	34.8	29.4	44.2

Manual Integrations
APPROVED

MMDadoda
8/2/2018 9:41:15 AM



#16

Acetone

Concen: 247.343 ug/l

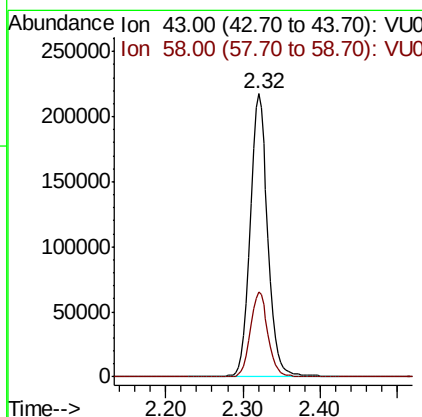
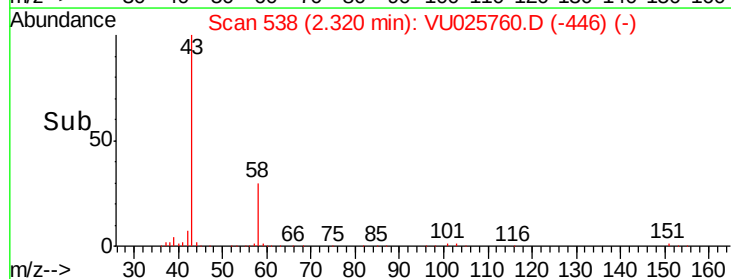
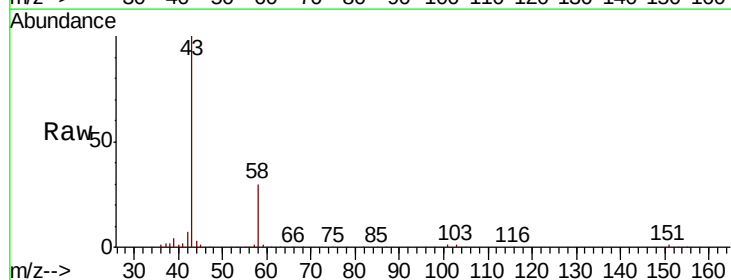
RT: 2.32 min Scan# 538

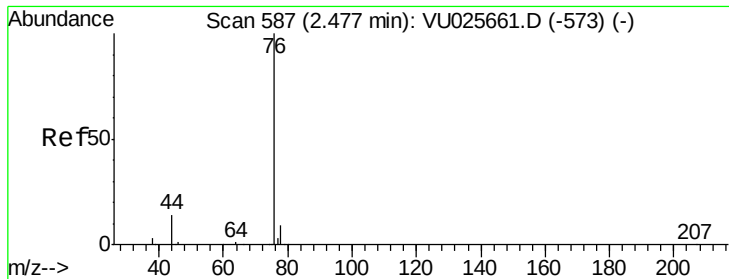
Delta R.T. -0.00 min

Lab File: VU025760.D

Acq: 01 Aug 2018 08:09

Tgt Ion:	43	Resp:	347184
Ion	Ratio	Lower	Upper
43	100		
58	29.9	23.1	34.7





#17

Carbon Disulfide

Concen: 47.249 ug/l

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU025760.D

Acq: 01 Aug 2018 08:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 303382

Ion Ratio Lower Upper

76 100

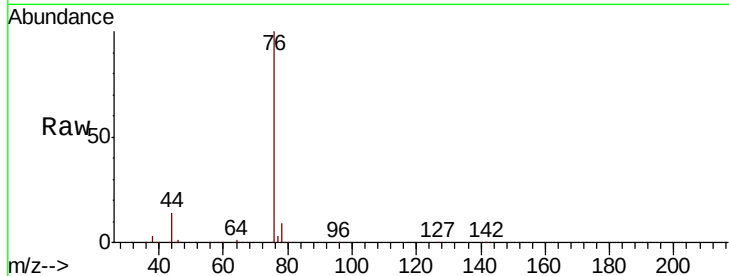
78 9.4 7.4 11.2

Manual Integrations

APPROVED

MMDadoda

8/2/2018 9:41:15 AM



Abundance Ion 75.90 (75.60 to 76.60): VU025760.D (-494) (-)

Ion 77.90 (77.60 to 78.60): VU025760.D (-494) (-)

2.48

200000

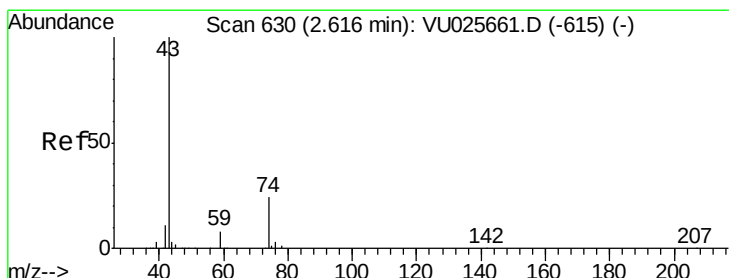
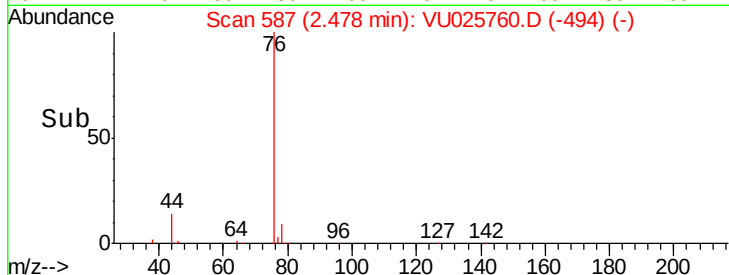
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 55.195 ug/l

RT: 2.61 min Scan# 629

Delta R.T. -0.00 min

Lab File: VU025760.D

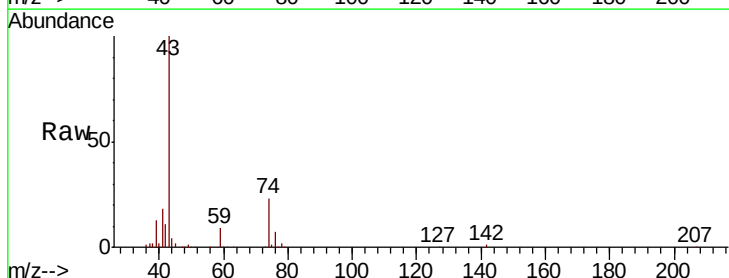
Acq: 01 Aug 2018 08:09

Tgt Ion: 43 Resp: 186473

Ion Ratio Lower Upper

43 100

74 23.1 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VU025760.D (-537) (-)

Ion 74.00 (73.70 to 74.70): VU025760.D (-537) (-)

2.61

120000

100000

80000

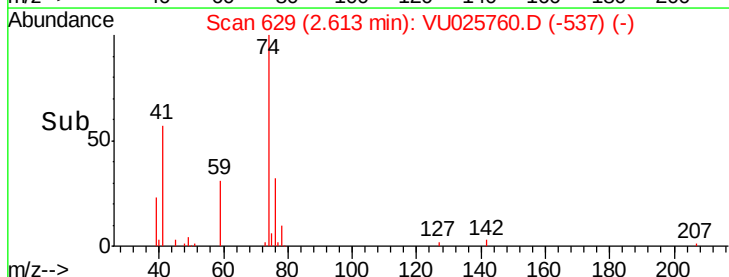
60000

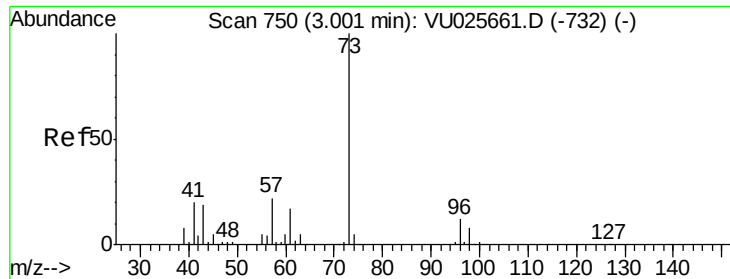
40000

20000

0

Time-->





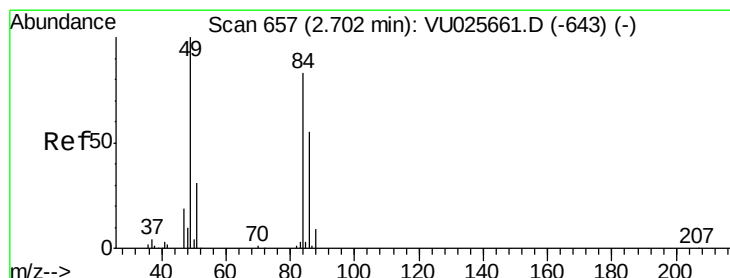
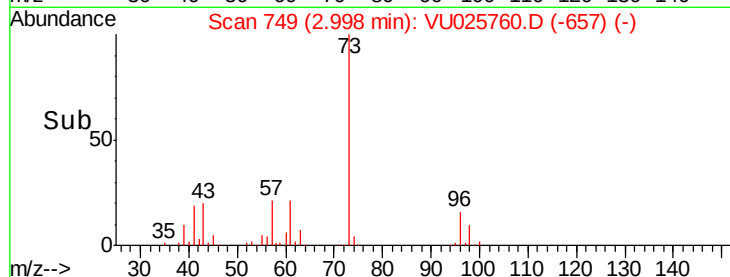
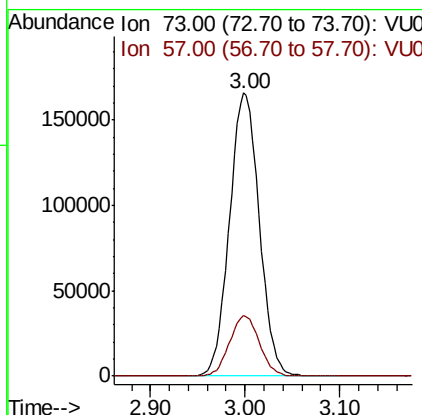
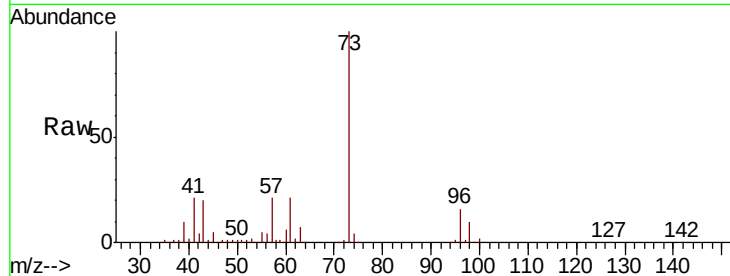
#19
Methyl tert-butyl Ether
Concen: 50.435 ug/l
RT: 3.00 min Scan# 749
Delta R.T. -0.00 min
Lab File: VU025760.D
Acq: 01 Aug 2018 08:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.4	17.4	26.2

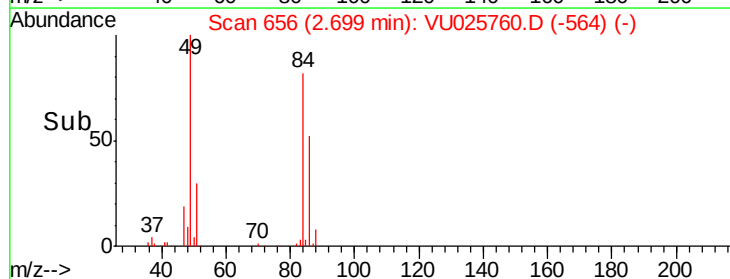
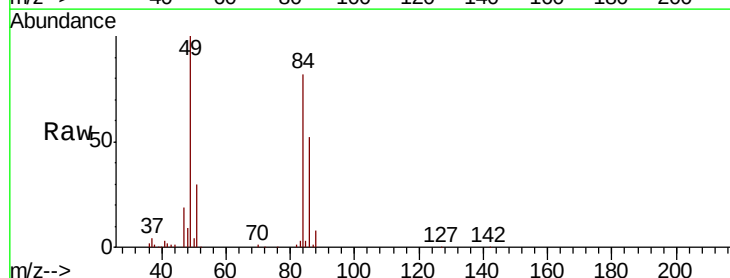
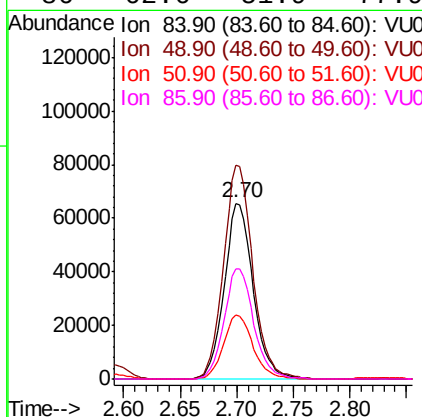
Manual Integrations
APPROVED

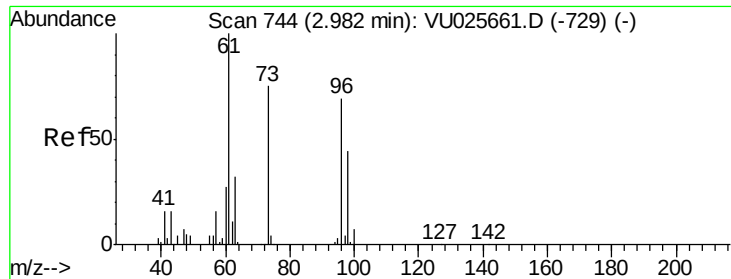
MMDadoda
8/2/2018 9:41:15 AM



#20
Methylene Chloride
Concen: 46.757 ug/l
RT: 2.70 min Scan# 656
Delta R.T. -0.00 min
Lab File: VU025760.D
Acq: 01 Aug 2018 08:09

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.4	101.8	152.6
51	36.1	30.8	46.2
86	62.6	51.9	77.9





#21

trans-1,2-Dichloroethene

Concen: 49.078 ug/l

RT: 2.98 min Scan# 744

Delta R.T. 0.00 min

Lab File: VU025760.D

Acq: 01 Aug 2018 08:09

Instrument :

MSVOA_U

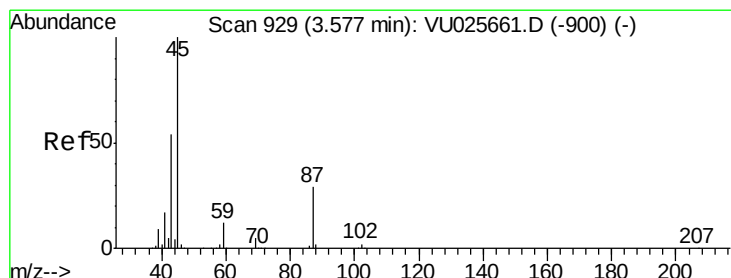
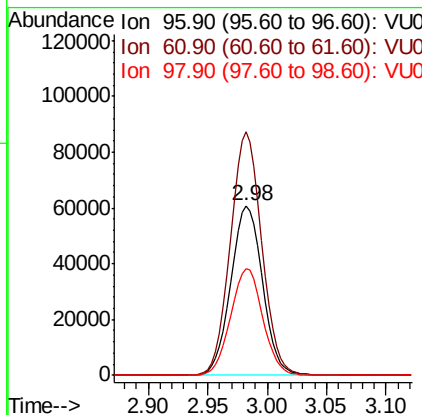
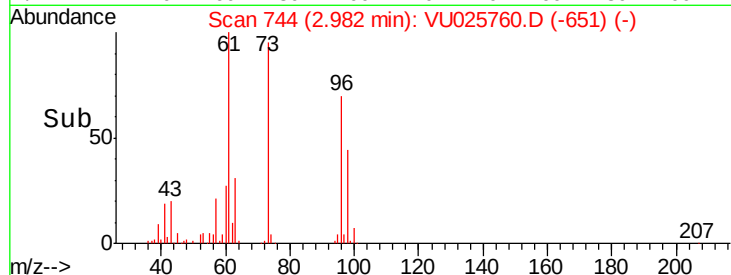
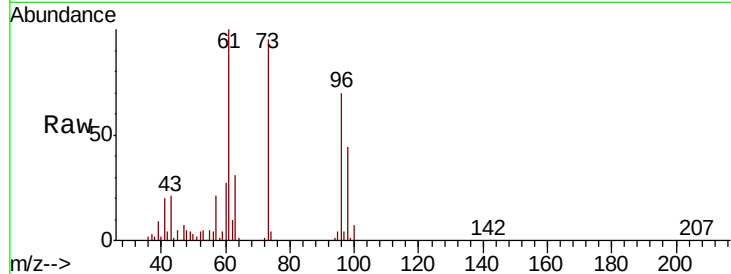
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	112559
Ion	Ratio	Lower	Upper
96	100		
61	143.5	114.5	171.7
98	63.2	50.5	75.7

Manual Integrations
APPROVED

MMDadoda
8/2/2018 9:41:15 AM



#22

Diisopropyl ether

Concen: 50.990 ug/l

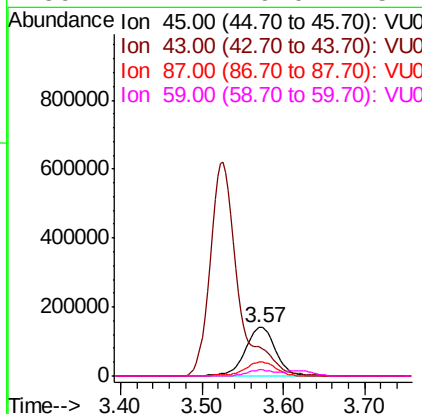
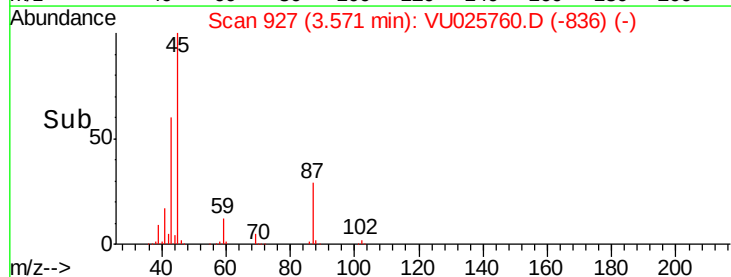
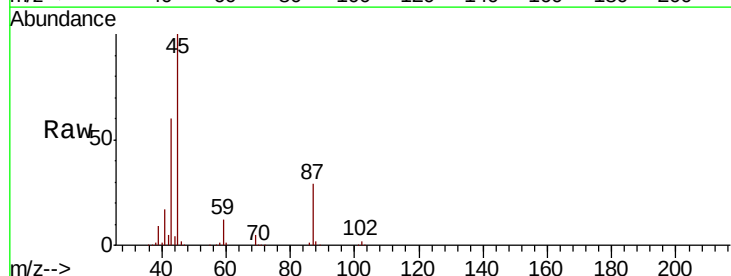
RT: 3.57 min Scan# 927

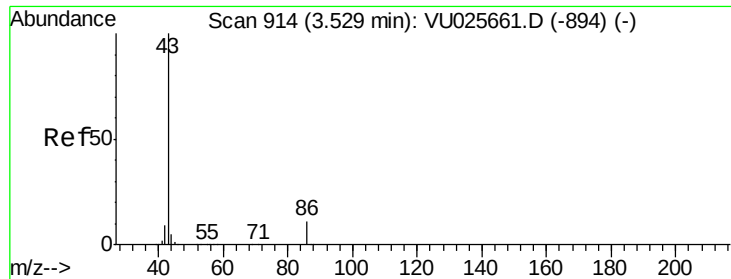
Delta R.T. -0.01 min

Lab File: VU025760.D

Acq: 01 Aug 2018 08:09

Tgt Ion:	45	Resp:	358244
Ion	Ratio	Lower	Upper
45	100		
43	59.1	50.9	76.3
87	28.5	23.8	35.8
59	12.4	9.0	13.4





#23

Vinyl Acetate

Concen: 243.770 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU025760.D

Acq: 01 Aug 2018 08:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1492579

Ion Ratio Lower Upper

43 100

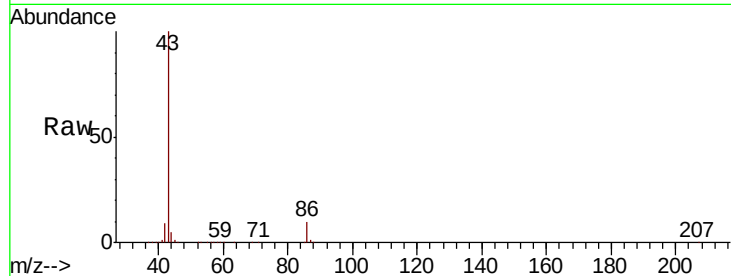
86 10.4 8.2 12.2

Manual Integrations

APPROVED

MMDadoda

8/2/2018 9:41:15 AM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

3.53

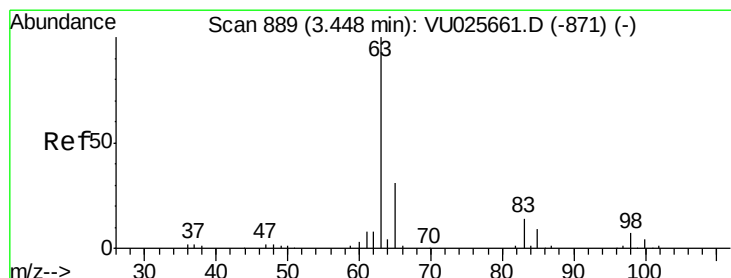
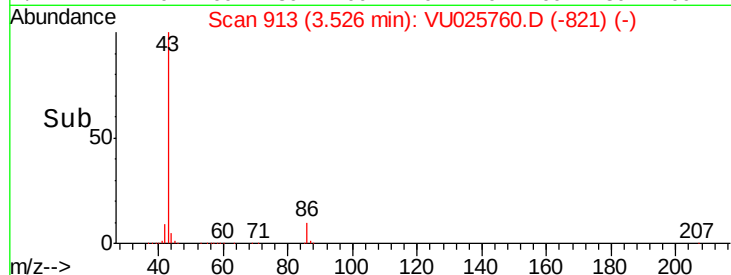
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 50.086 ug/l

RT: 3.45 min Scan# 888

Delta R.T. -0.00 min

Lab File: VU025760.D

Acq: 01 Aug 2018 08:09

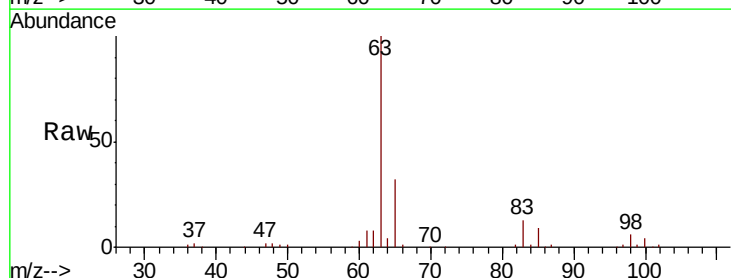
Tgt Ion: 63 Resp: 211237

Ion Ratio Lower Upper

63 100

98 6.3 3.4 10.1

100 4.0 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

120000

100000

80000

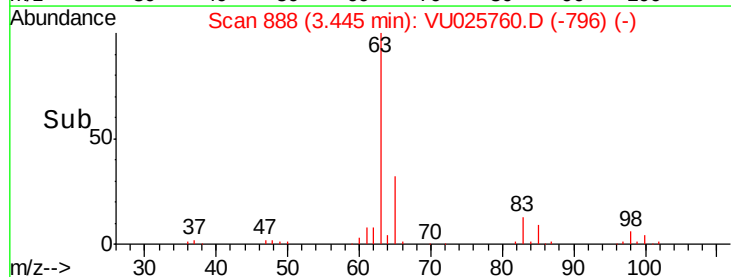
60000

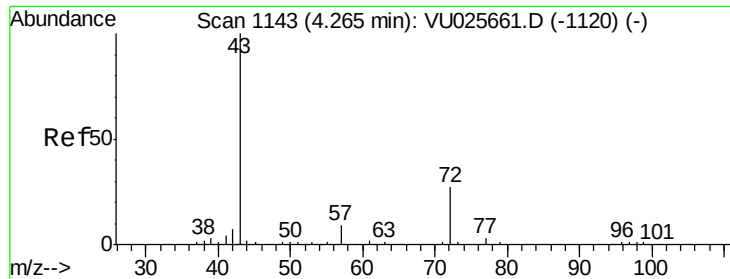
40000

20000

0

Time-->





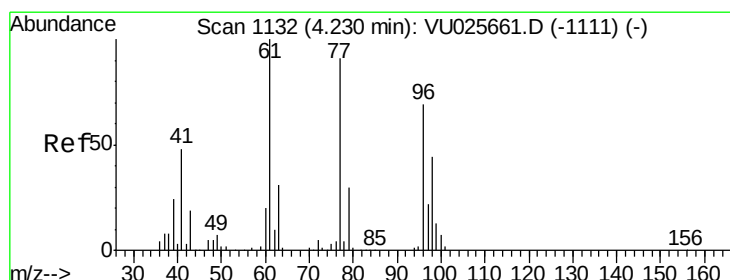
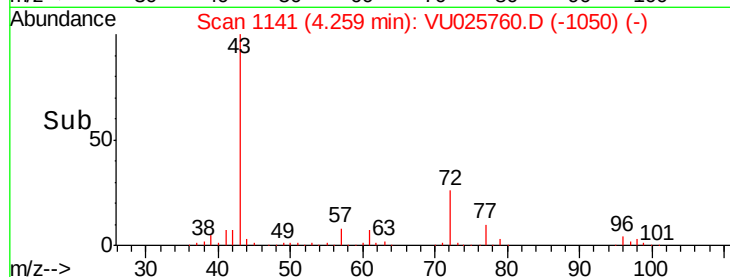
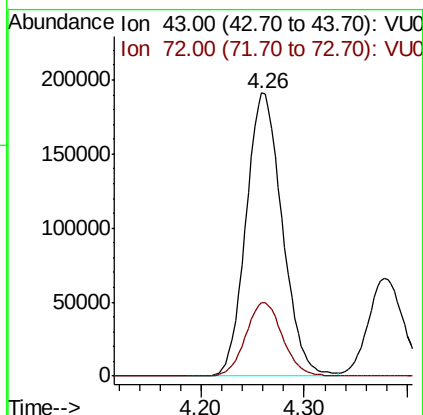
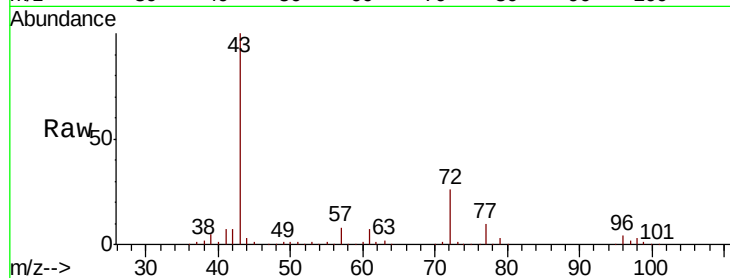
#25
2-Butanone
Concen: 243.319 ug/l
RT: 4.26 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VU025760.D
Acq: 01 Aug 2018 08:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
72	25.9	21.0	31.4

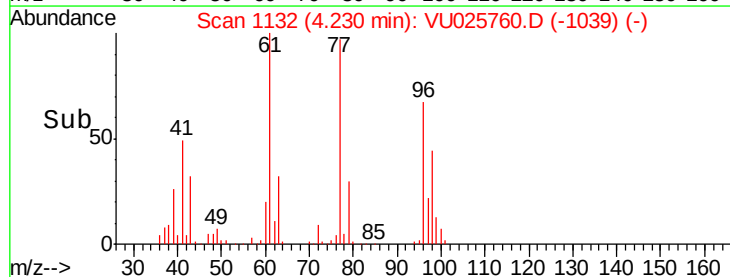
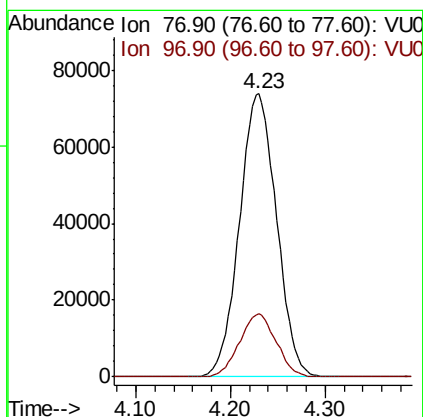
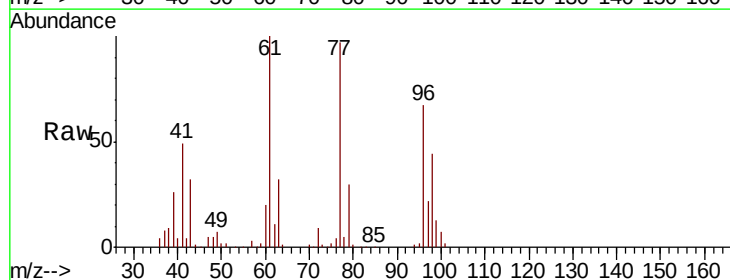
Manual Integrations
APPROVED

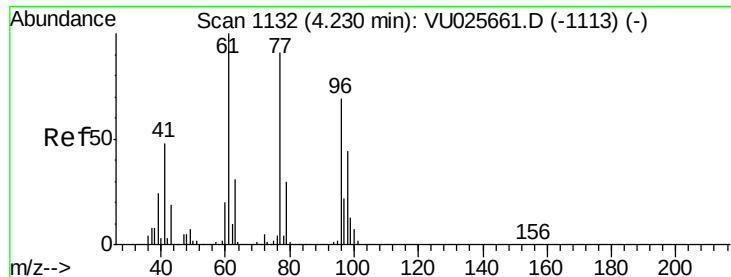
MMDadoda
8/2/2018 9:41:15 AM



#26
2,2-Dichloropropane
Concen: 52.367 ug/l
RT: 4.23 min Scan# 1132
Delta R.T. 0.00 min
Lab File: VU025760.D
Acq: 01 Aug 2018 08:09

Tgt Ion	Ratio	Lower	Upper
77	100		
97	22.0	11.2	33.5





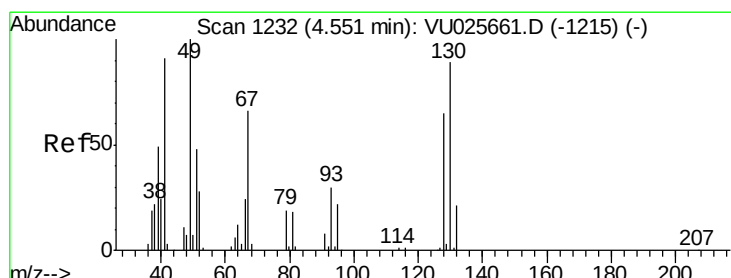
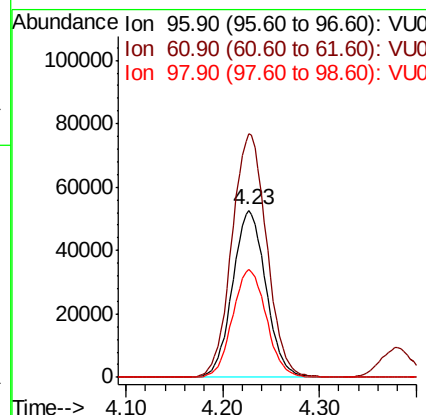
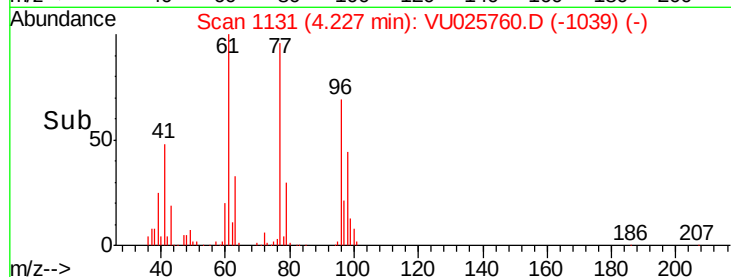
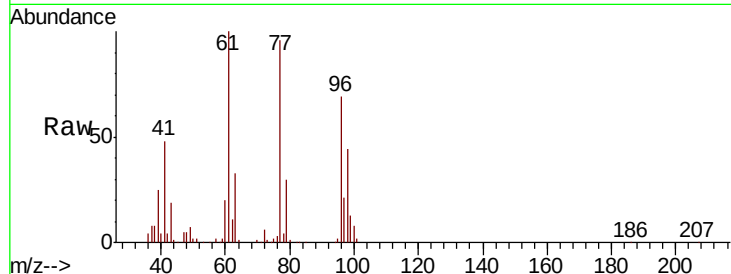
#27
 cis-1,2-Dichloroethene
 Concen: 48.838 ug/l
 RT: 4.23 min Scan# 1131
 Delta R.T. -0.00 min
 Lab File: VU025760.D
 Acq: 01 Aug 2018 08:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	152.0	0.0	299.8	
98	65.2	0.0	128.6	

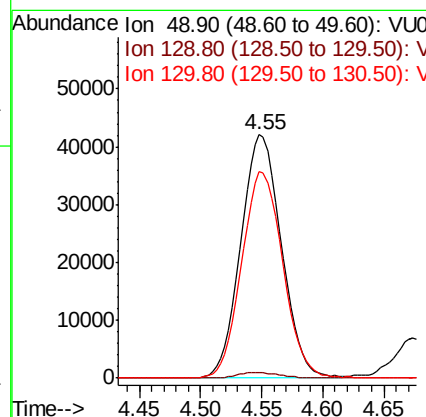
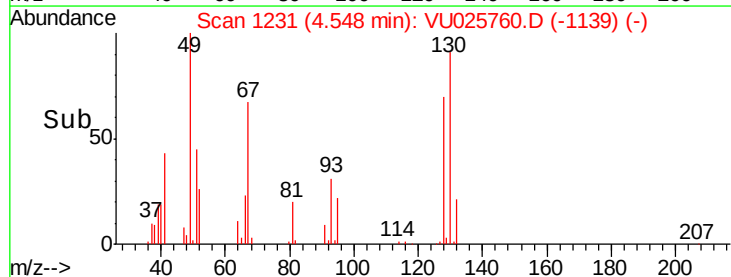
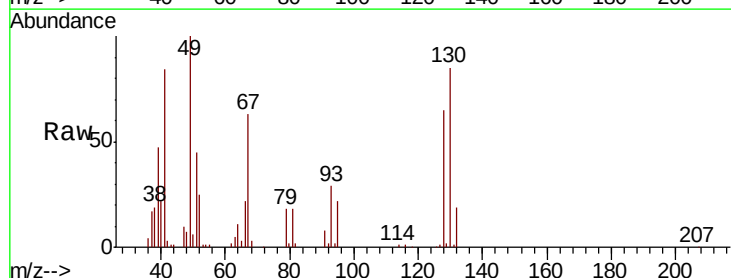
Manual Integrations
 APPROVED

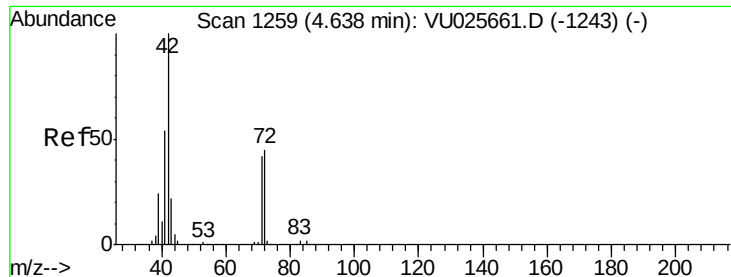
MMDadoda
 8/2/2018 9:41:15 AM



#28
 Bromochloromethane
 Concen: 51.367 ug/l
 RT: 4.55 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VU025760.D
 Acq: 01 Aug 2018 08:09

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.3	0.0	4.6	
130	86.0	68.6	102.8	





#29

Tetrahydrofuran

Concen: 233.879 ug/l

RT: 4.64 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VU025760.D

Acq: 01 Aug 2018 08:09

Instrument :

MSVOA_U

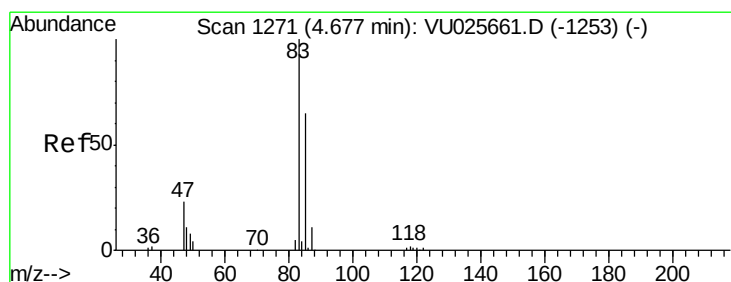
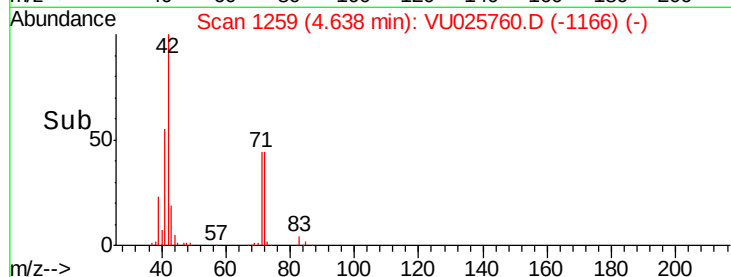
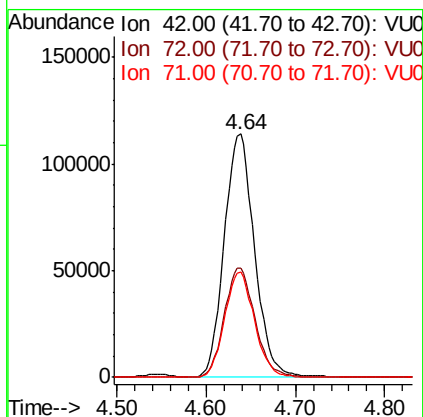
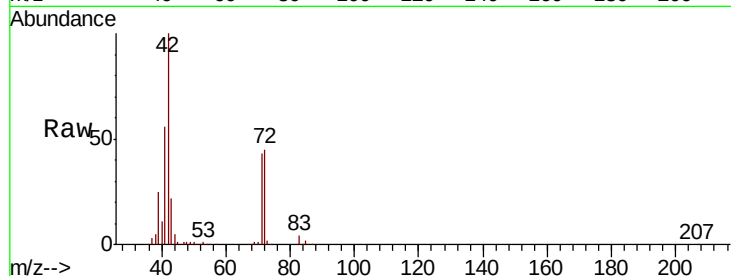
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	267735
Ion	Ratio	Lower	Upper
42	100		
72	45.8	36.7	55.1
71	42.8	33.9	50.9

Manual Integrations
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#30

Chloroform

Concen: 49.379 ug/l

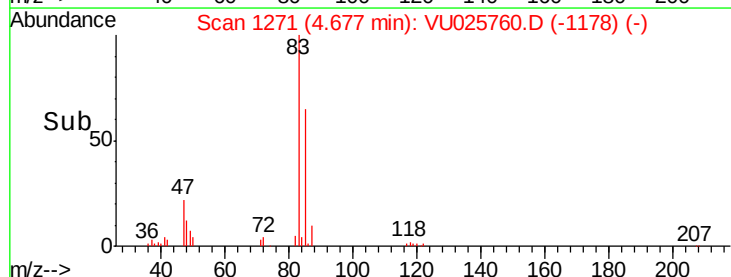
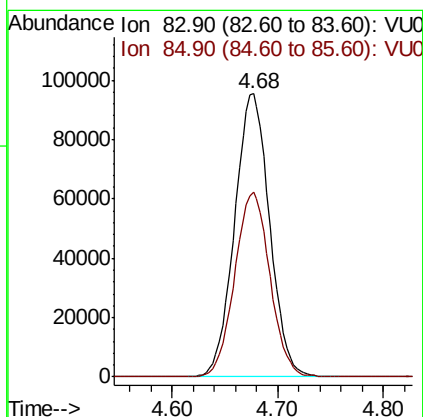
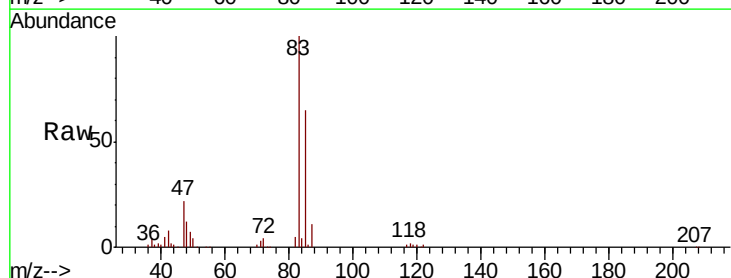
RT: 4.68 min Scan# 1271

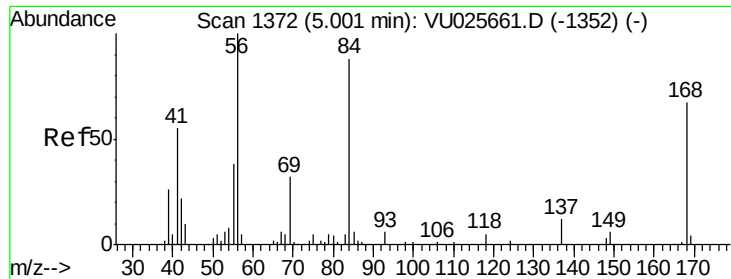
Delta R.T. 0.00 min

Lab File: VU025760.D

Acq: 01 Aug 2018 08:09

Tgt Ion:	83	Resp:	219823
Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.5	77.3





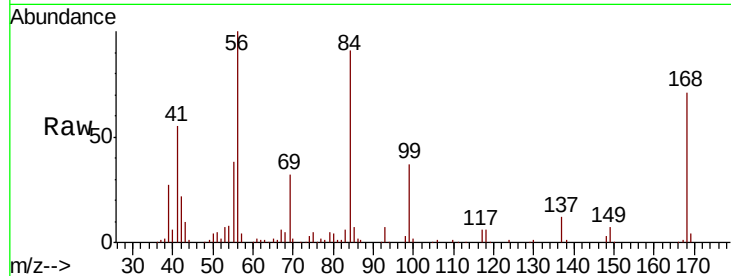
#31
Cyclohexane
Concen: 50.104 ug/l
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU025760.D
Acq: 01 Aug 2018 08:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

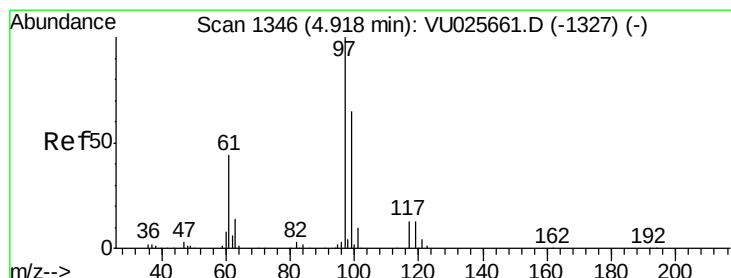
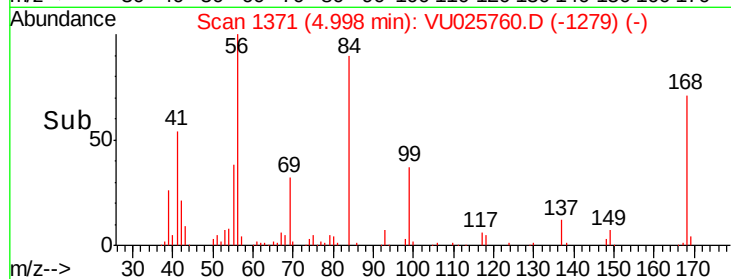
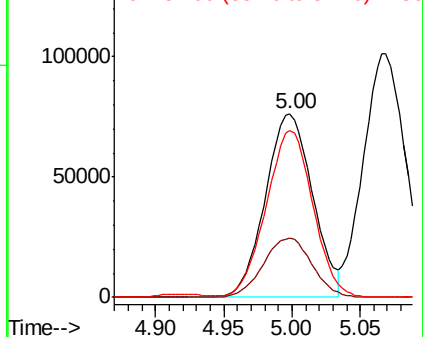
Tot Ion	Ratio	Lower	Upper
56	100		
69	32.0	26.8	40.2
84	89.4	69.7	104.5

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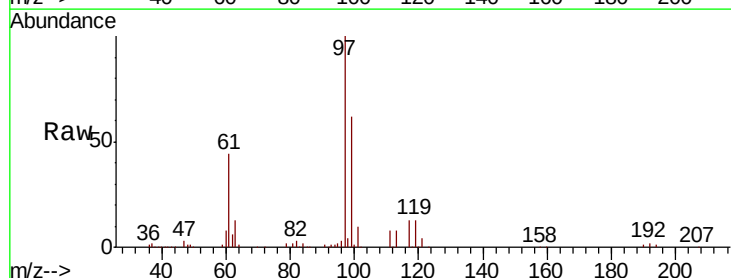


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

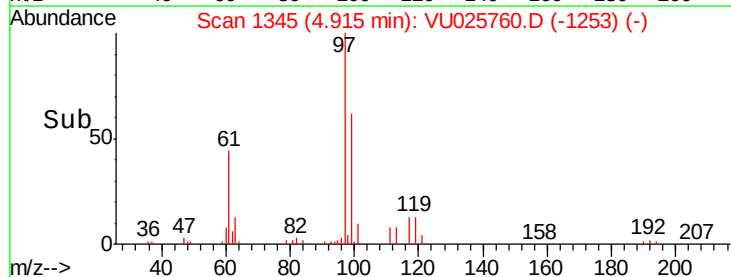
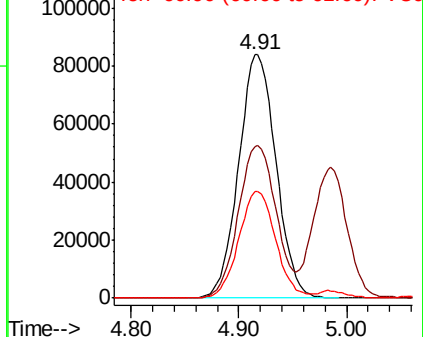


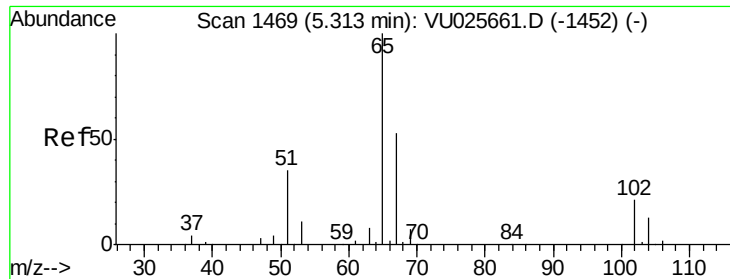
#32
1,1,1-Trichloroethane
Concen: 50.465 ug/l
RT: 4.91 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VU025760.D
Acq: 01 Aug 2018 08:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	50.8	76.2
61	43.6	35.2	52.8



Abundance Ion 96.90 (96.60 to 97.60): VU0
Ion 98.90 (98.60 to 99.60): VU0
Ion 60.90 (60.60 to 61.60): VU0





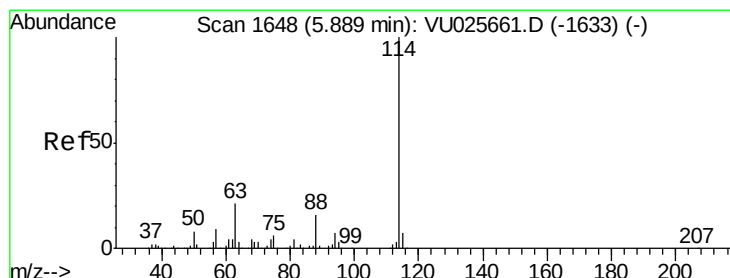
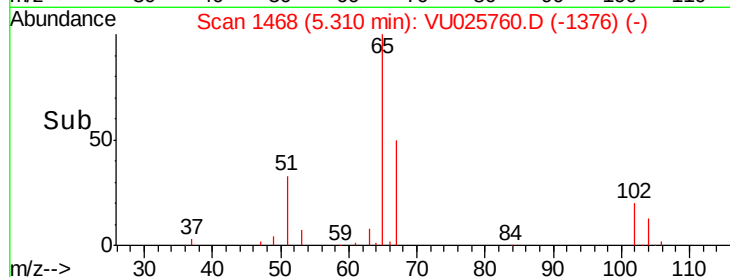
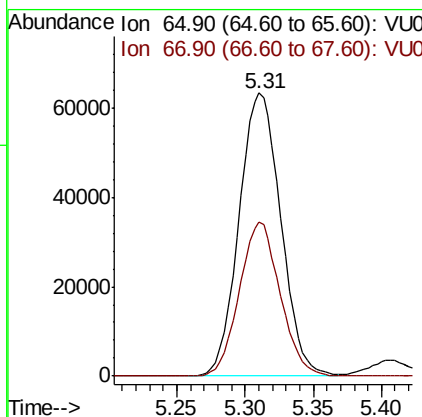
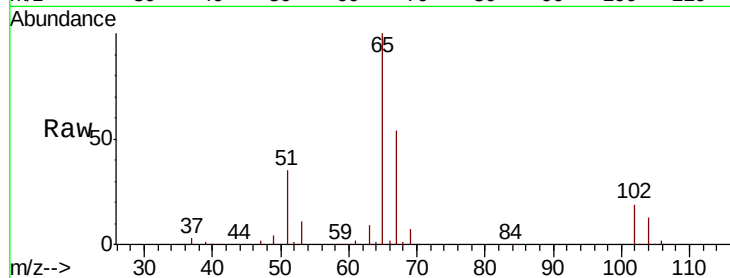
#33
 1,2-Dichloroethane-d4
 Concen: 46.767 ug/l
 RT: 5.31 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: VU025760.D
 Acq: 01 Aug 2018 08:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	134645		
67	53.1	0.0	103.6	

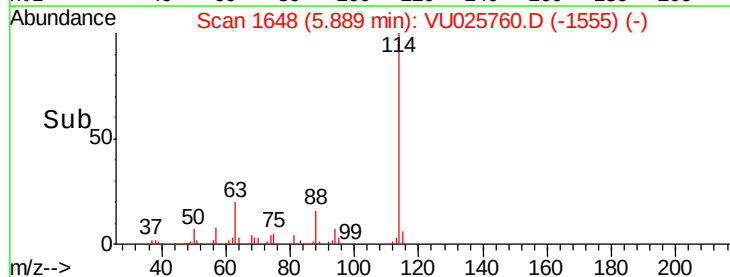
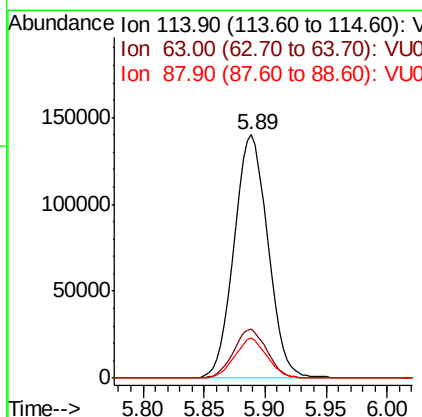
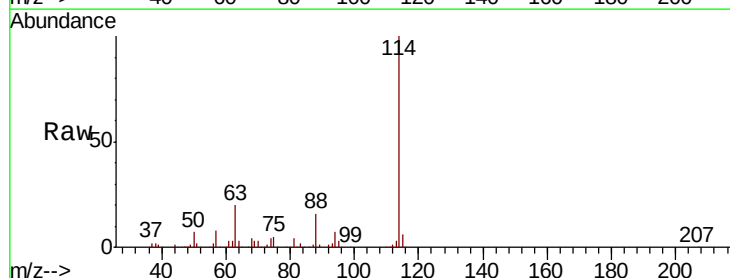
Manual Integrations
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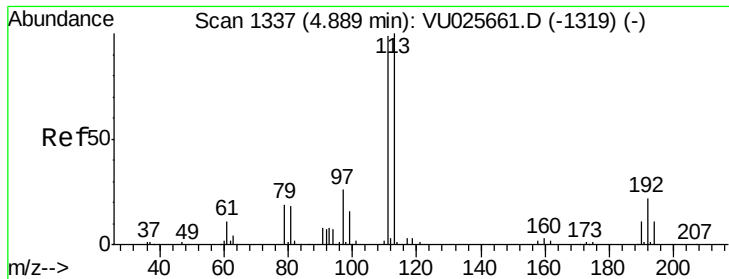
MMDadoda
 8/2/2018 9:41:15 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. 0.00 min
 Lab File: VU025760.D
 Acq: 01 Aug 2018 08:09

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	269664		
63	19.9	0.0	41.6	
88	16.4	0.0	32.4	





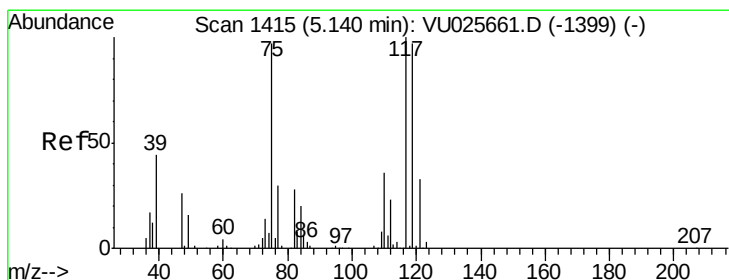
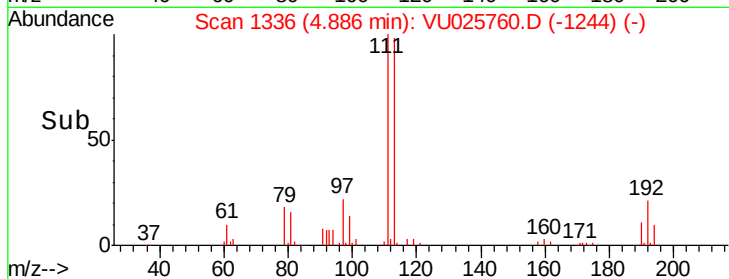
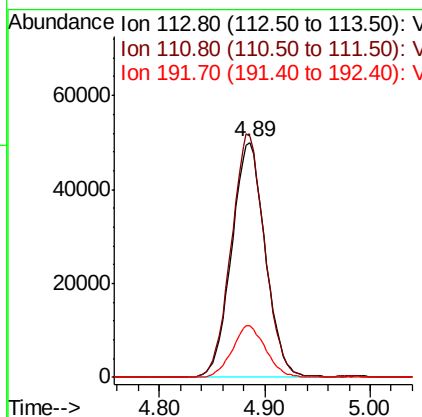
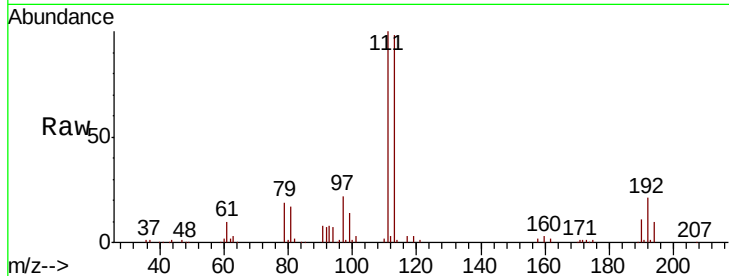
#35
 Dibromofluoromethane
 Concen: 47.130 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU025760.D
 Acq: 01 Aug 2018 08:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.7	122.5
192	21.8	17.1	25.7

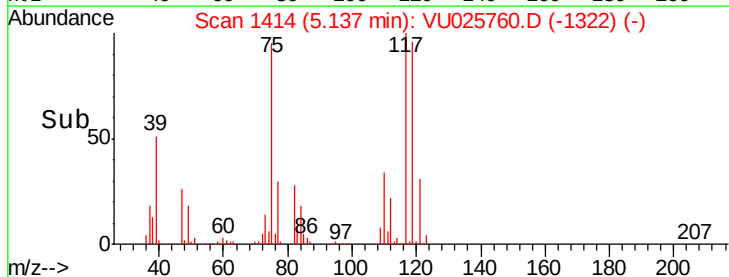
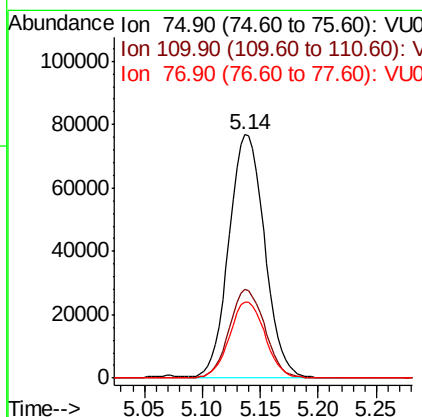
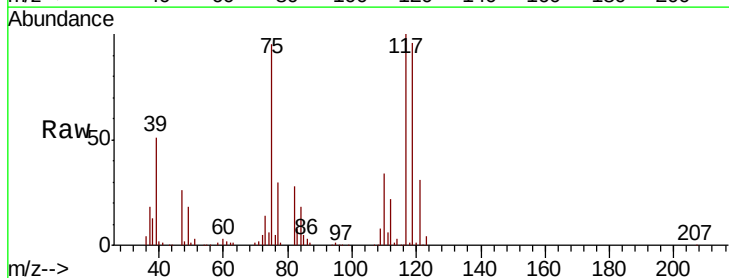
Manual Integrations
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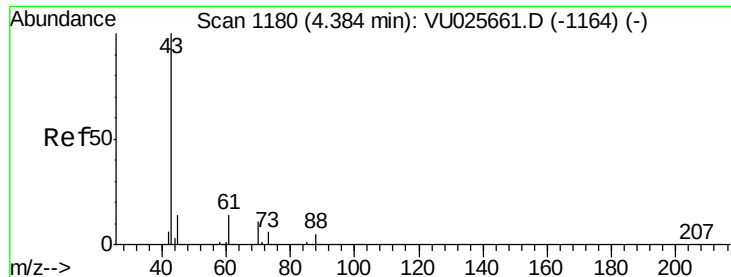
MMDadoda
 8/2/2018 9:41:15 AM



#36
 1,1-Dichloropropene
 Concen: 52.137 ug/l
 RT: 5.14 min Scan# 1414
 Delta R.T. -0.00 min
 Lab File: VU025760.D
 Acq: 01 Aug 2018 08:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.3	17.6	52.9
77	31.5	24.4	36.6





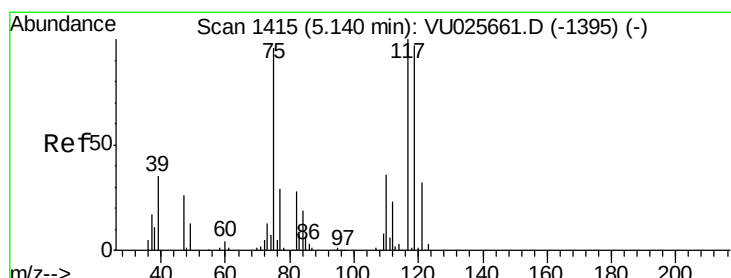
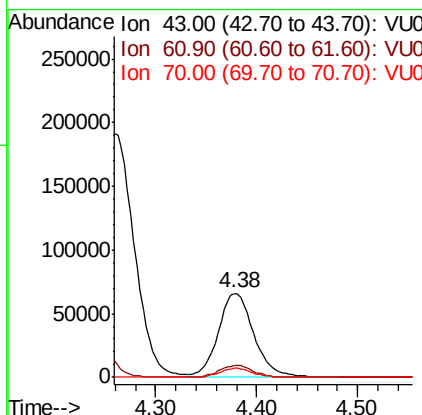
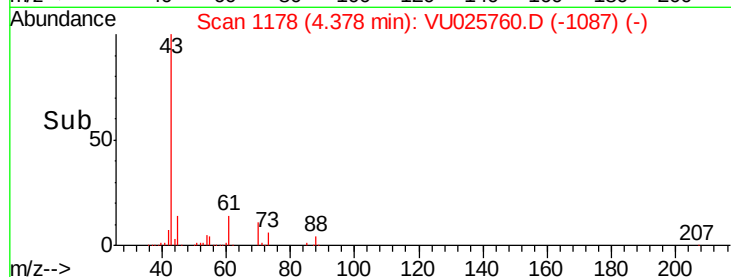
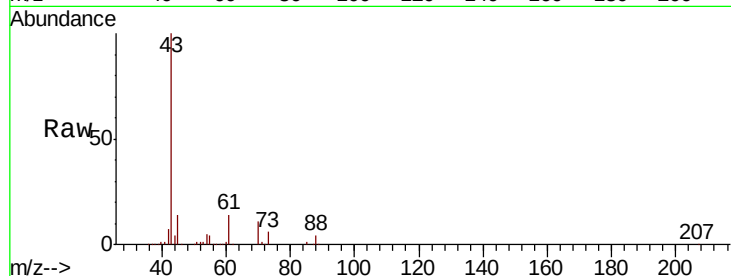
#37
Ethyl Acetate
Concen: 48.953 ug/l
RT: 4.38 min Scan# 1178
Delta R.T. -0.01 min
Lab File: VU025760.D
Acq: 01 Aug 2018 08:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.7	16.1
70	10.5	8.4	12.6

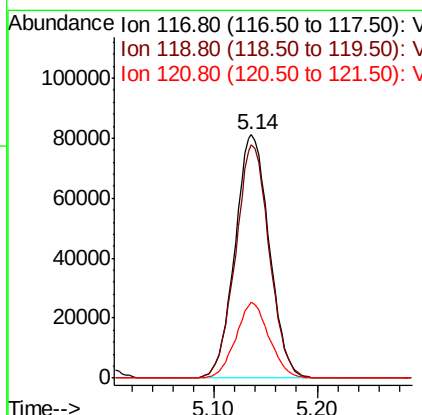
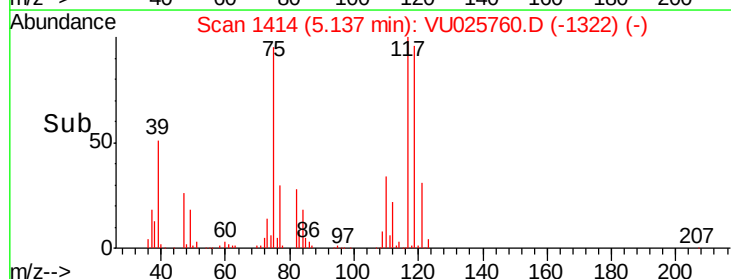
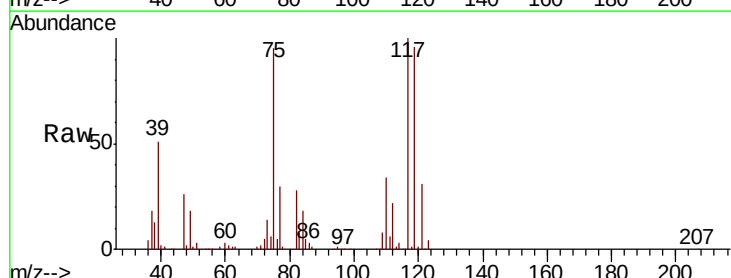
Manual Integrations
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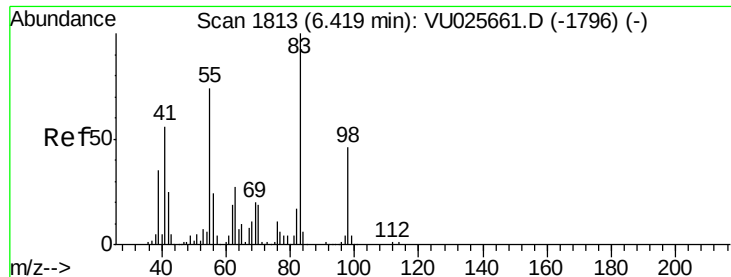
MMDadoda
8/2/2018 9:41:15 AM



#38
Carbon Tetrachloride
Concen: 52.315 ug/l
RT: 5.14 min Scan# 1414
Delta R.T. -0.00 min
Lab File: VU025760.D
Acq: 01 Aug 2018 08:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	75.7	113.5
121	30.9	24.6	36.8





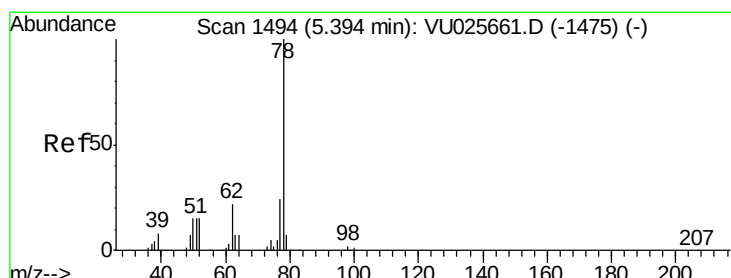
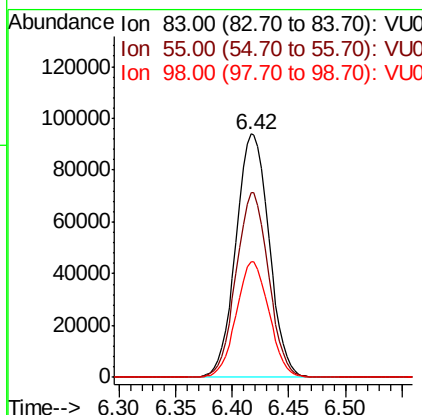
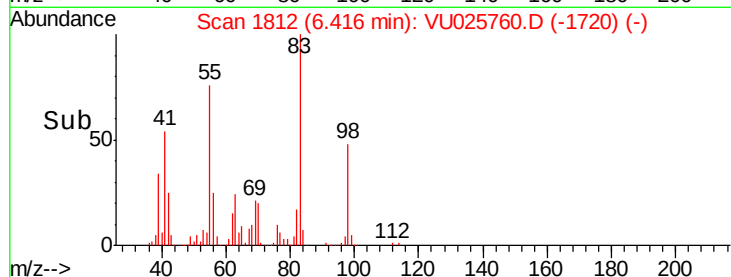
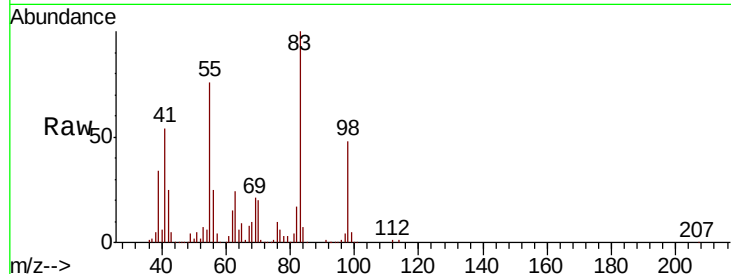
#39
Methylvlcyclohexane
Concen: 53.290 ug/l
RT: 6.42 min Scan# 1812
Delta R.T. -0.00 min
Lab File: VU025760.D
Acq: 01 Aug 2018 08:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	192423		
55	75.9	60.0	90.0	
98	47.7	36.1	54.1	

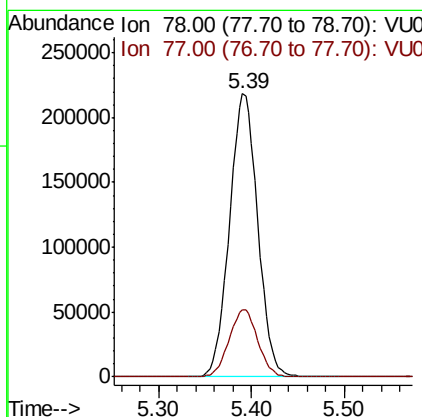
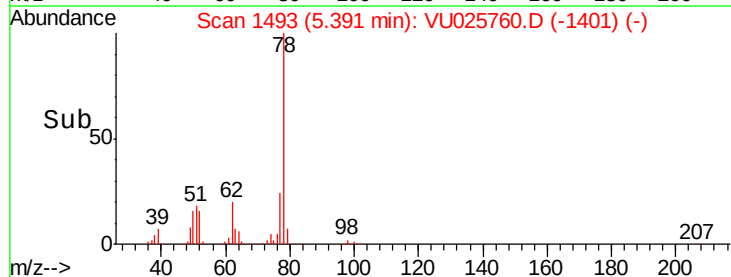
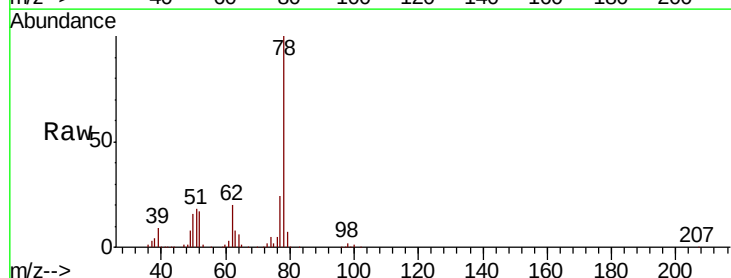
Manual Integrations
APPROVED

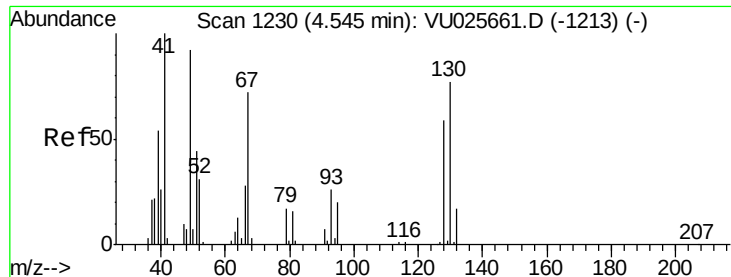
MMDadoda
8/2/2018 9:41:15 AM



#40
Benzene
Concen: 49.996 ug/l
RT: 5.39 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VU025760.D
Acq: 01 Aug 2018 08:09

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	460559		
77	23.8	19.8	29.6	





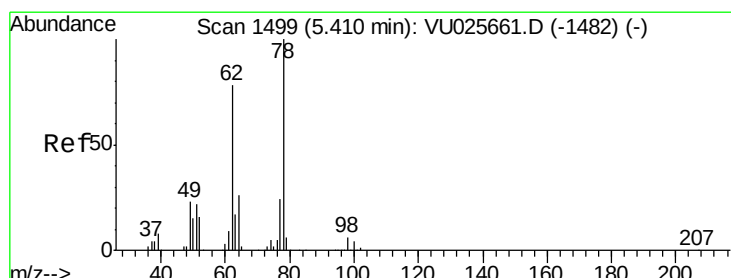
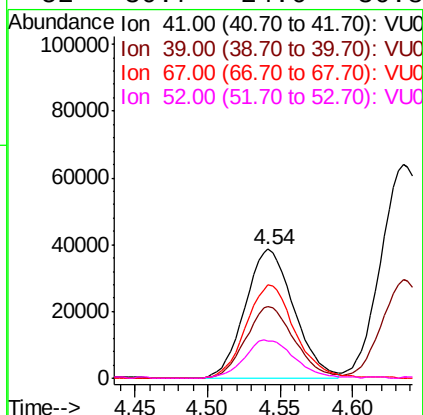
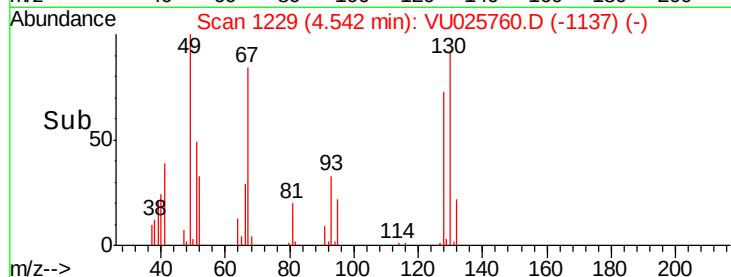
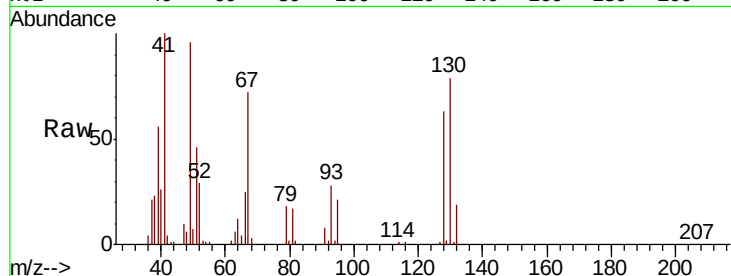
#41
Methacrylonitrile
Concen: 49.804 ug/l
RT: 4.54 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VU025760.D
Acq: 01 Aug 2018 08:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.2	44.4	66.6	
67	72.3	56.0	84.0	
52	30.7	24.6	36.8	

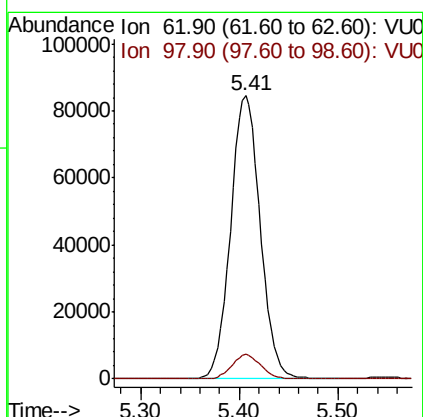
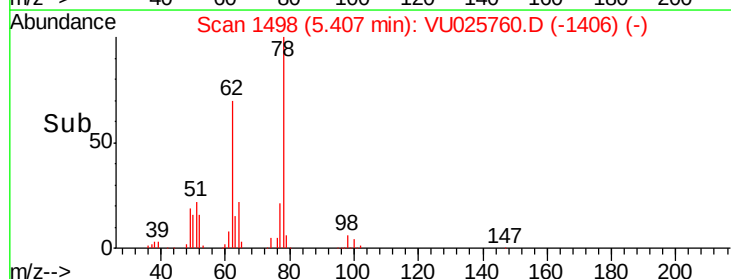
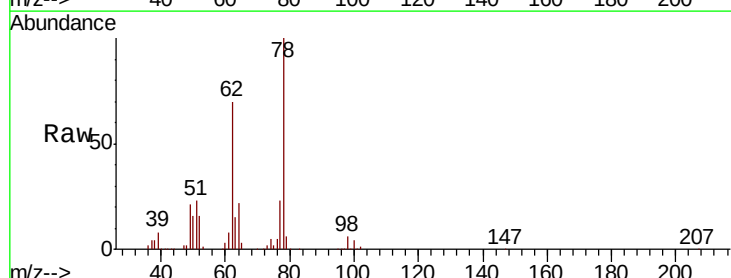
Manual Integrations
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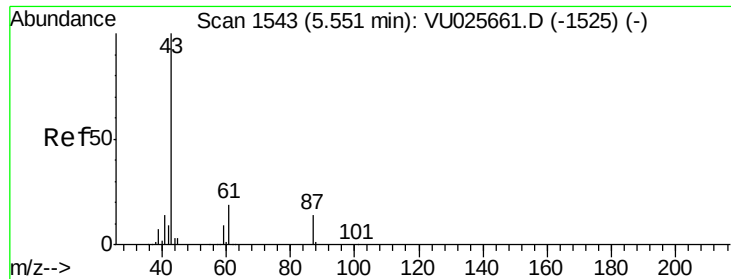
MMDadoda
8/2/2018 9:41:15 AM



#42
1,2-Dichloroethane
Concen: 49.803 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU025760.D
Acq: 01 Aug 2018 08:09

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.5	0.0	16.4	





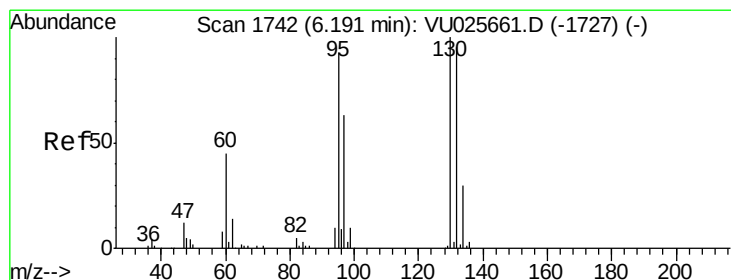
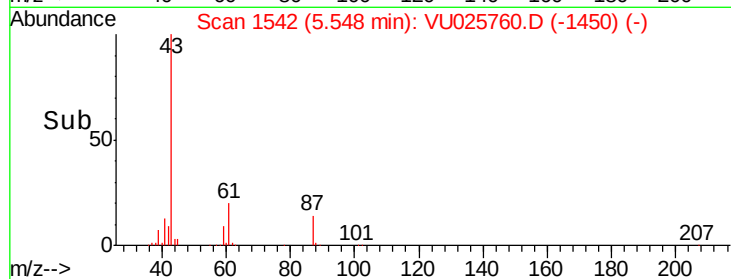
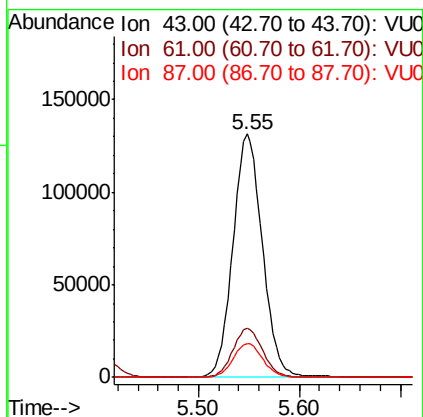
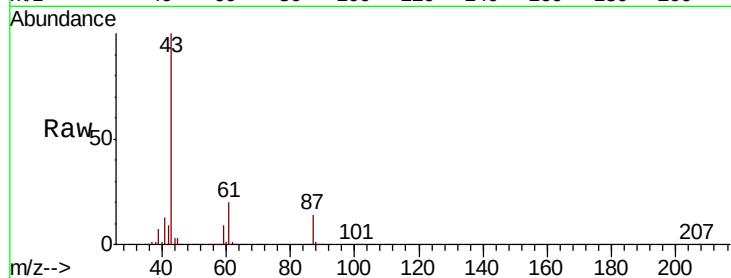
#43
Isopropyl Acetate
Concen: 49.072 ug/l
RT: 5.55 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VU025760.D
Acq: 01 Aug 2018 08:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.4	15.5	23.3
87	14.1	10.6	16.0

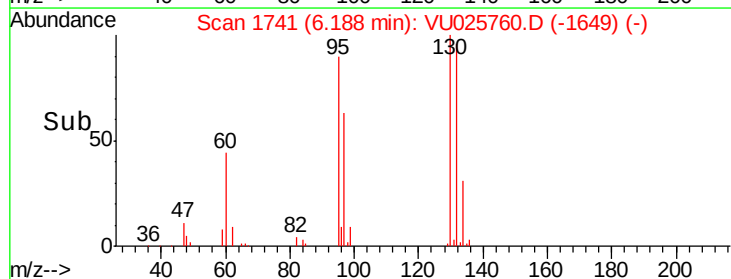
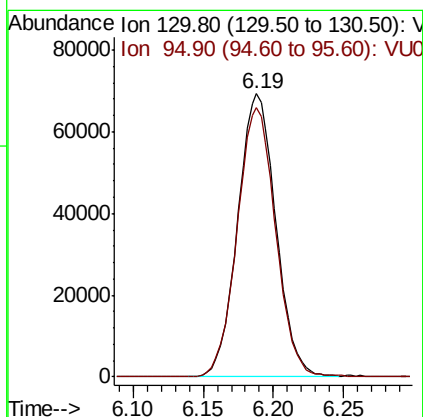
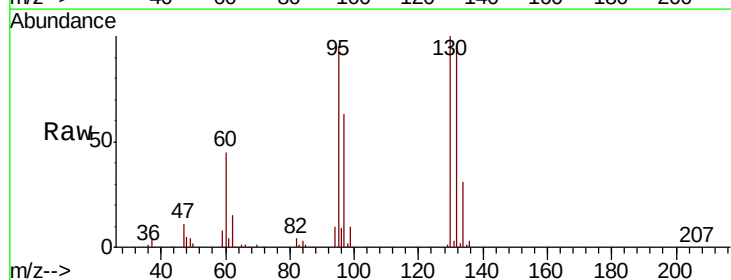
Manual Integrations
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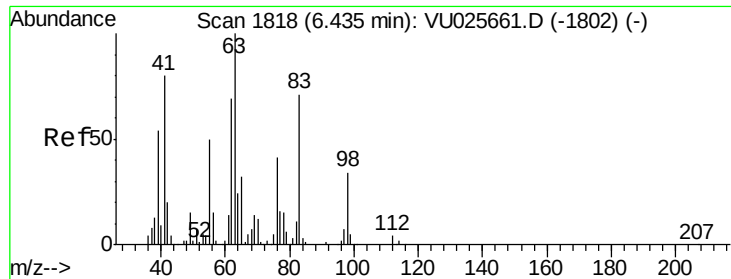
MMDadoda
8/2/2018 9:41:15 AM



#44
Trichloroethene
Concen: 51.197 ug/l
RT: 6.19 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VU025760.D
Acq: 01 Aug 2018 08:09

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.1	0.0	192.2





#45

1,2-Dichloropropane

Concen: 51.098 ug/l

RT: 6.44 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VU025760.D

Acq: 01 Aug 2018 08:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 122762

Ion Ratio Lower Upper

63 100

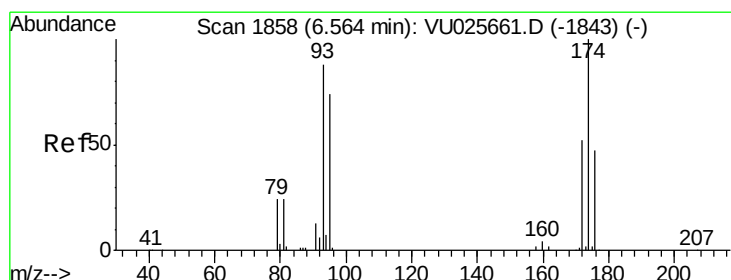
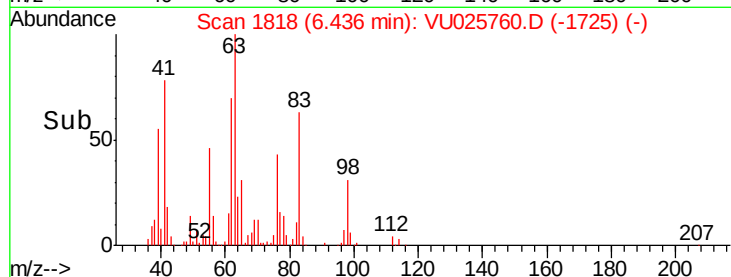
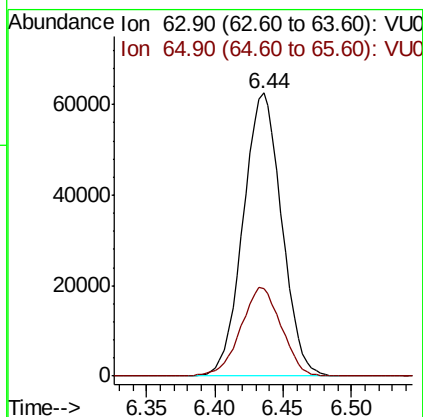
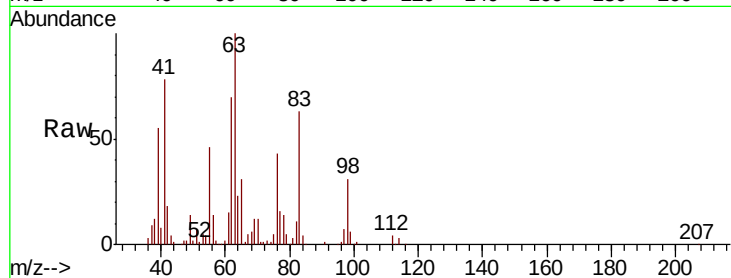
65 31.1 26.1 39.1

Manual Integrations

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MMDadoda

8/2/2018 9:41:15 AM



#46

Dibromomethane

Concen: 50.594 ug/l

RT: 6.56 min Scan# 1857

Delta R.T. -0.00 min

Lab File: VU025760.D

Acq: 01 Aug 2018 08:09

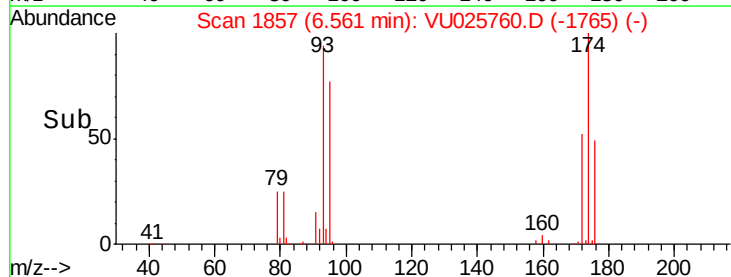
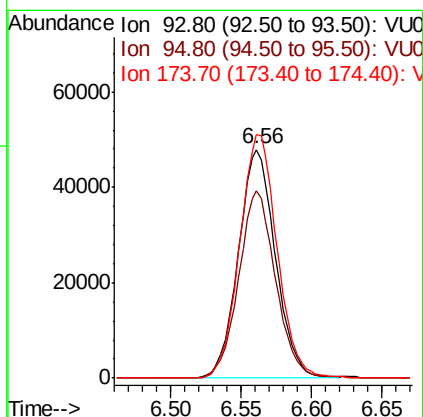
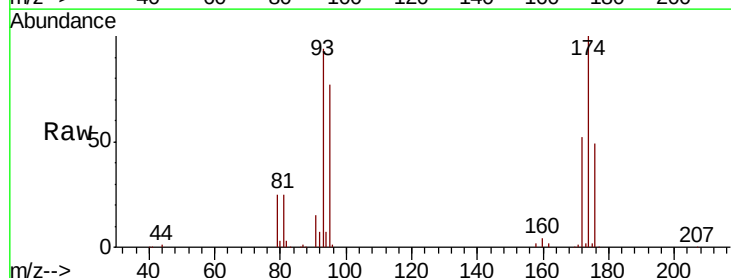
Tgt Ion: 93 Resp: 88075

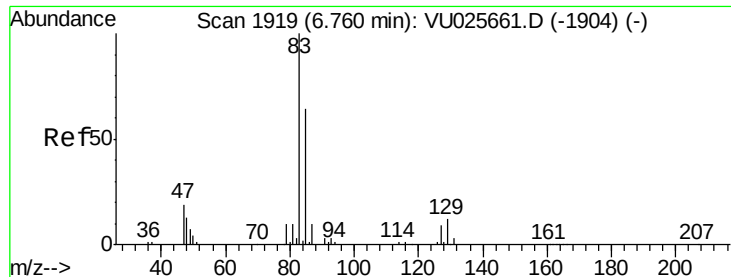
Ion Ratio Lower Upper

93 100

95 81.2 66.6 100.0

174 108.1 85.8 128.8





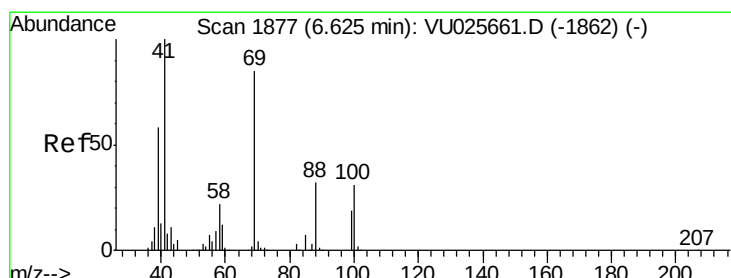
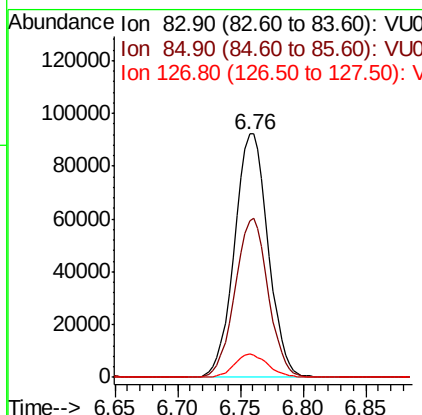
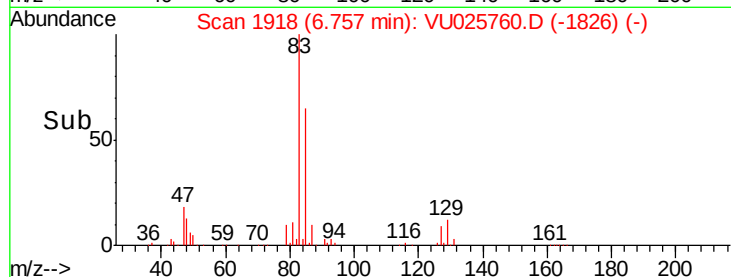
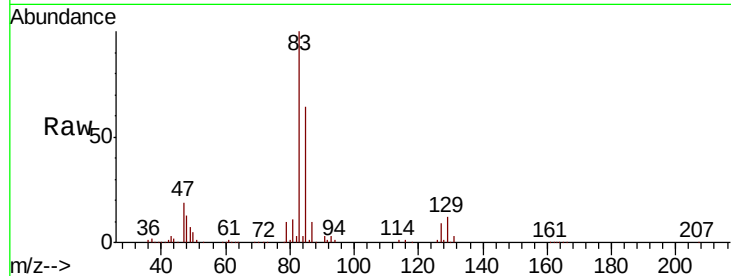
#47
Bromodichloromethane
Concen: 51.765 ug/l
RT: 6.76 min Scan# 1918
Delta R.T. -0.00 min
Lab File: VU025760.D
Acq: 01 Aug 2018 08:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	171891		
85	64.2	50.2	75.4	
127	9.4	7.2	10.8	

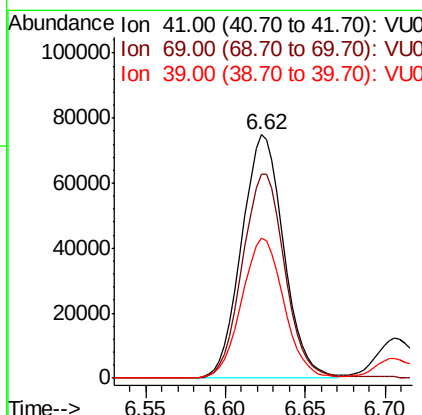
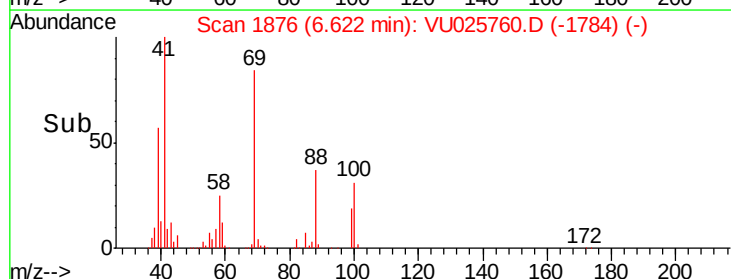
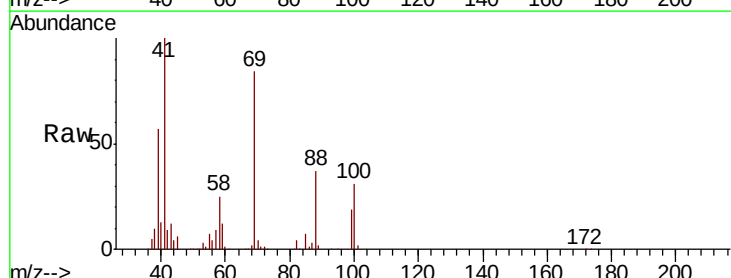
Manual Integrations
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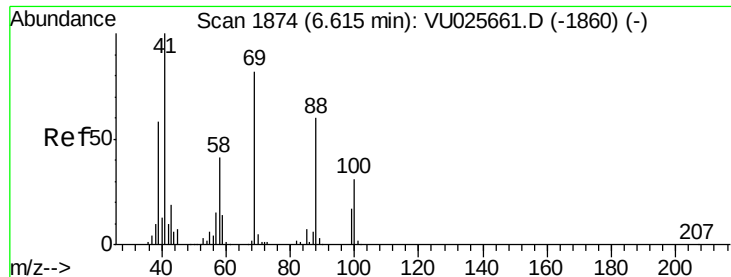
MMDadoda
8/2/2018 9:41:15 AM



#48
Methyl methacrylate
Concen: 50.950 ug/l
RT: 6.62 min Scan# 1876
Delta R.T. -0.00 min
Lab File: VU025760.D
Acq: 01 Aug 2018 08:09

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	134842		
69	85.3	65.0	97.4	
39	57.8	46.4	69.6	





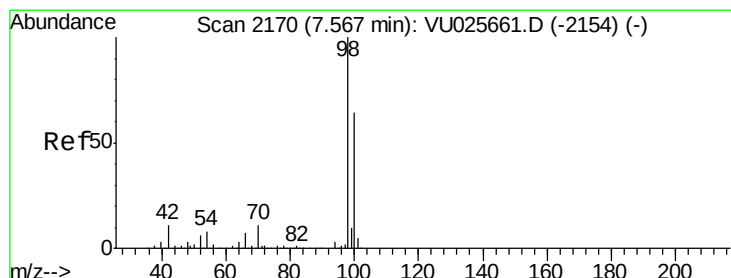
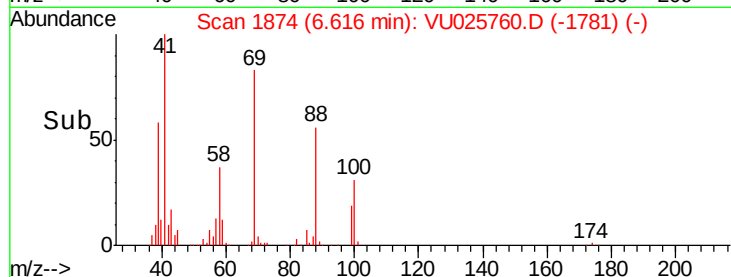
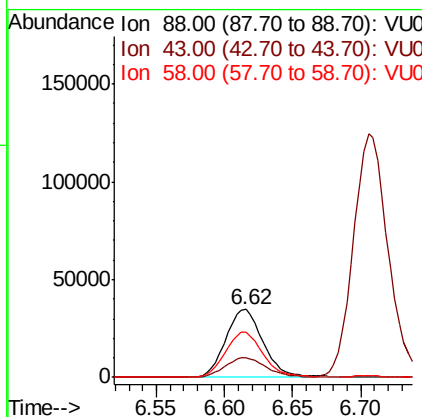
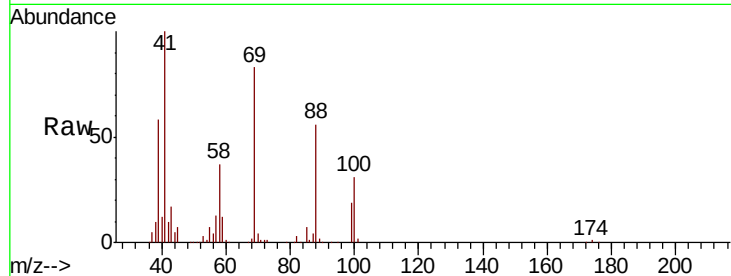
#49
1,4-Dioxane
Concen: 1018.302 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU025760.D
Acq: 01 Aug 2018 08:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.3	27.3	40.9
58	68.5	57.6	86.4

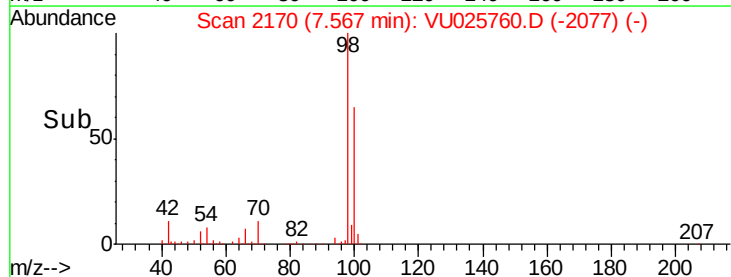
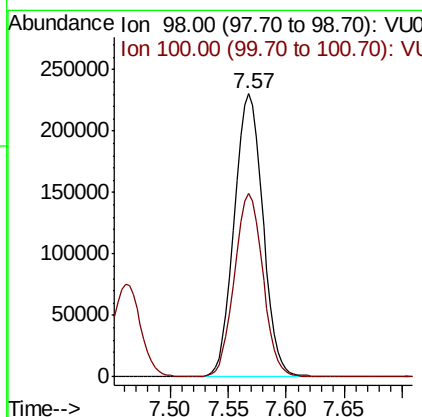
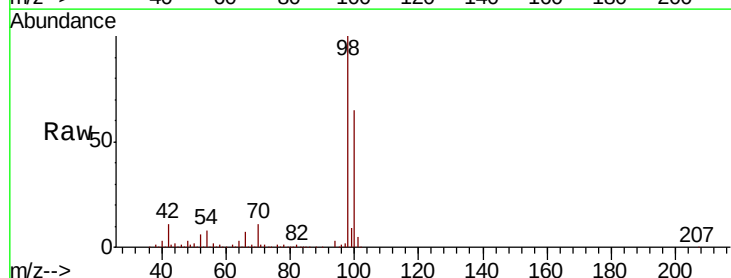
Manual Integrations
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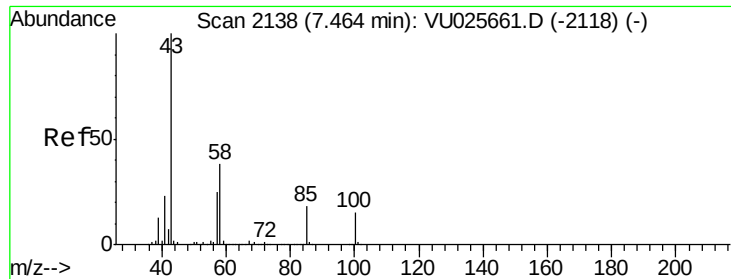
MMDadoda
8/2/2018 9:41:15 AM



#50
Toluene-d8
Concen: 48.125 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU025760.D
Acq: 01 Aug 2018 08:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 246.176 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. -0.00 min

Lab File: VU025760.D

Acq: 01 Aug 2018 08:09

Instrument :

MSVOA_U

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 832242

Ion Ratio Lower Upper

43 100

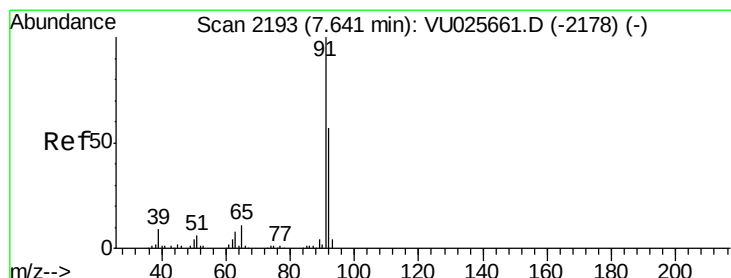
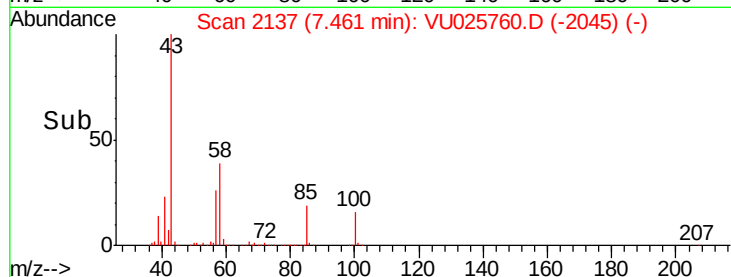
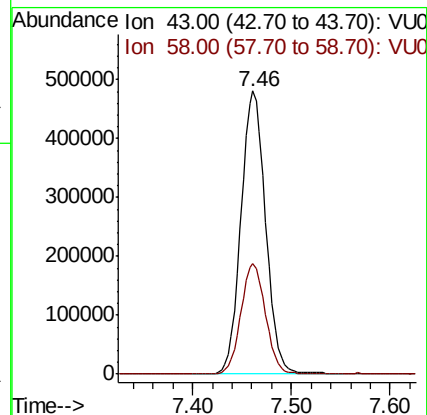
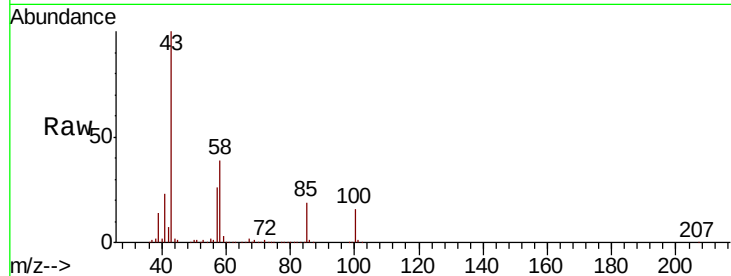
58 39.2 31.0 46.4

Manual Integrations

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8/2/2018 9:41:15 AM



#52

Toluene

Concen: 52.626 ug/l

RT: 7.64 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VU025760.D

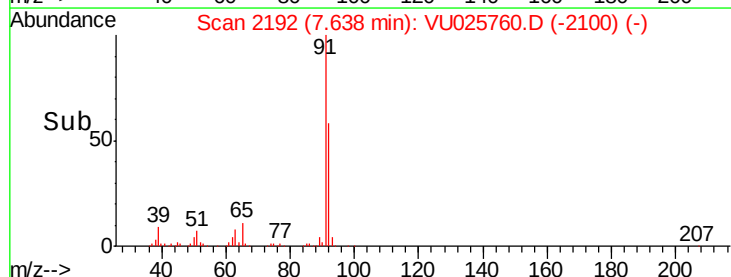
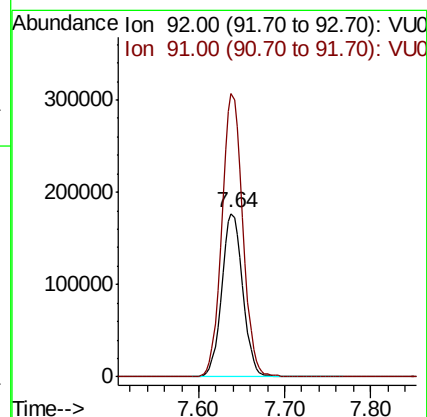
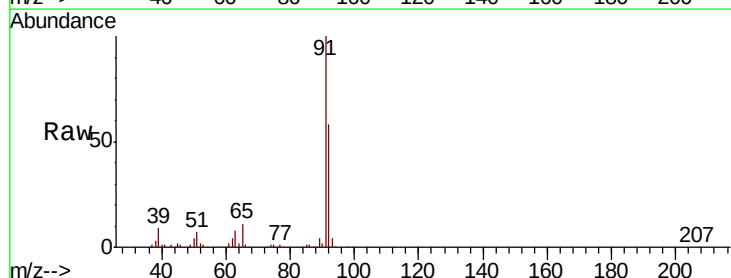
Acq: 01 Aug 2018 08:09

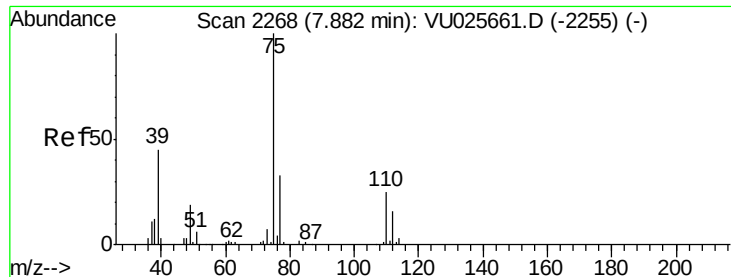
Tgt Ion: 92 Resp: 301176

Ion Ratio Lower Upper

92 100

91 172.5 139.2 208.8





#53

t-1,3-Dichloropropene

Concen: 53.508 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025760.D

Acq: 01 Aug 2018 08:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 199499

Ion Ratio Lower Upper

75 100

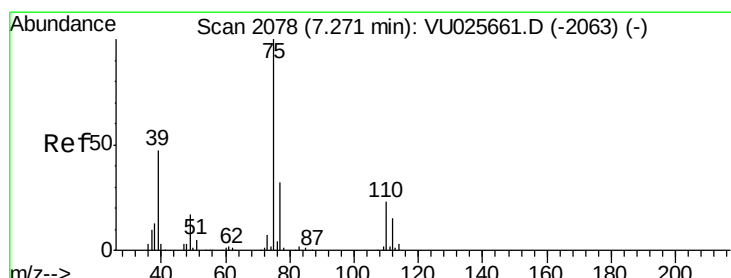
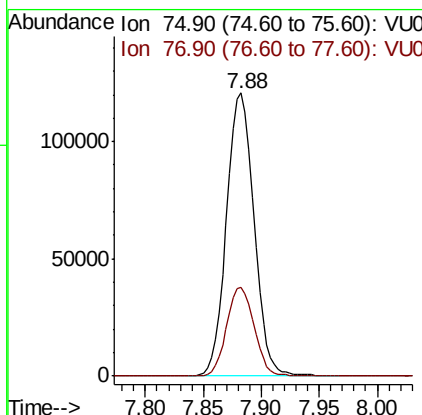
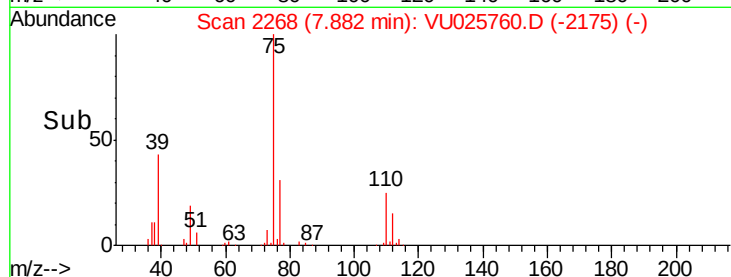
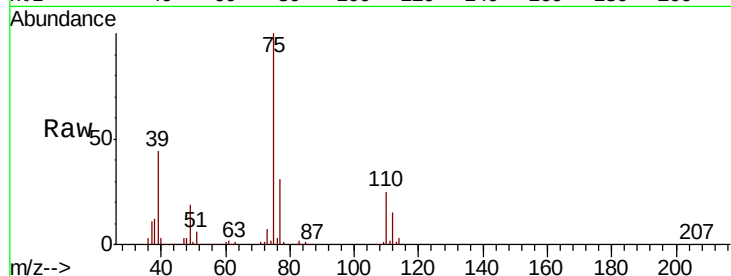
77 31.5 24.5 36.7

Manual Integrations

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8/2/2018 9:41:15 AM



#54

cis-1,3-Dichloropropene

Concen: 53.611 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU025760.D

Acq: 01 Aug 2018 08:09

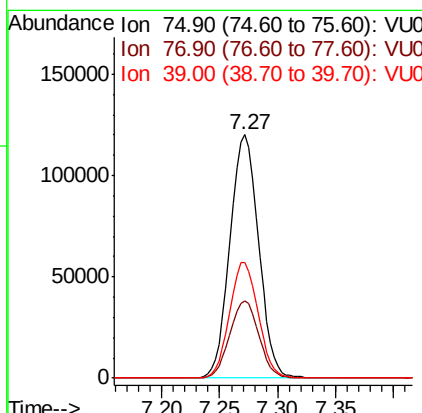
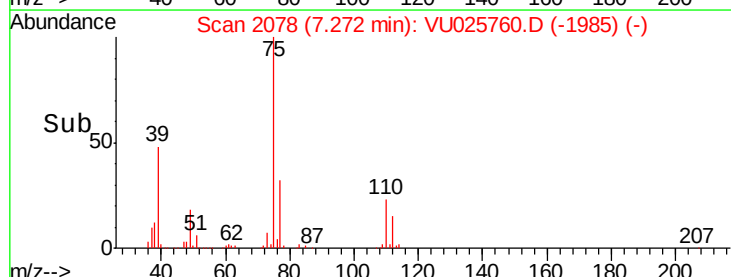
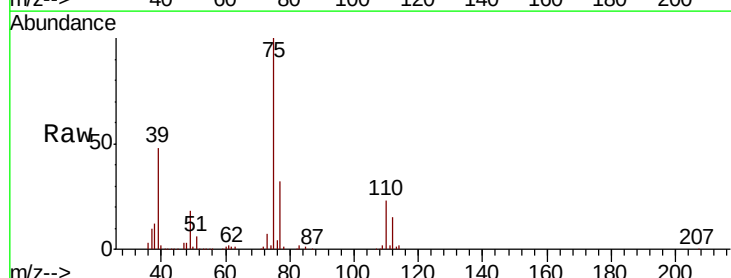
Tgt Ion: 75 Resp: 205327

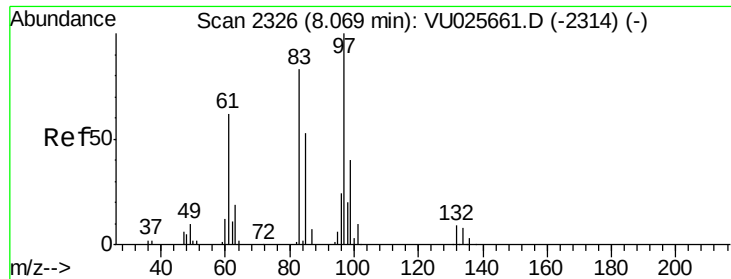
Ion Ratio Lower Upper

75 100

77 31.9 25.6 38.4

39 47.7 40.0 60.0





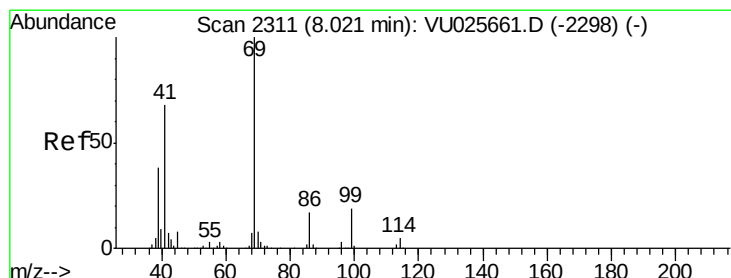
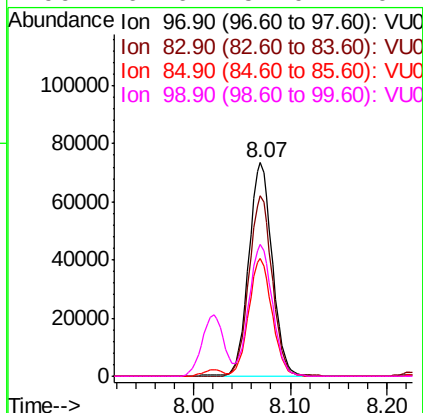
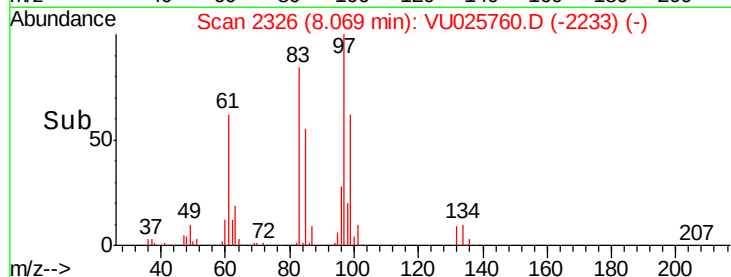
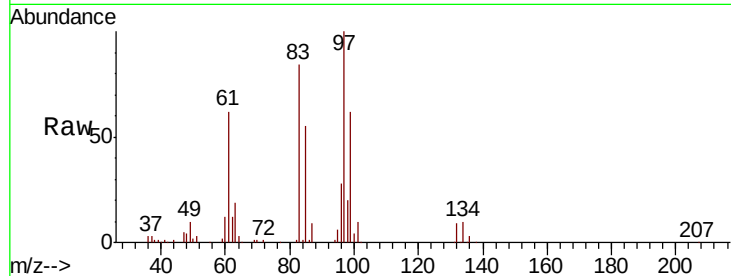
#55
 1,1,2-Trichloroethane
 Concen: 52.190 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025760.D
 Acq: 01 Aug 2018 08:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		124123		
83	84.3	68.9	103.3		
85	54.9	44.4	66.6		
99	61.6	51.0	76.4		

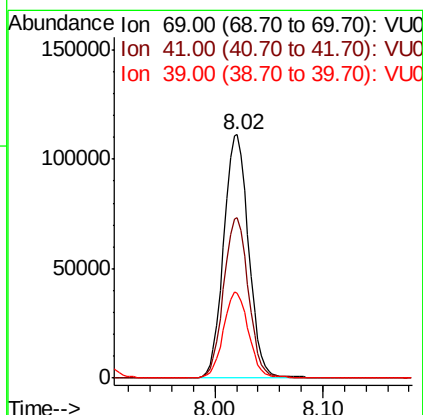
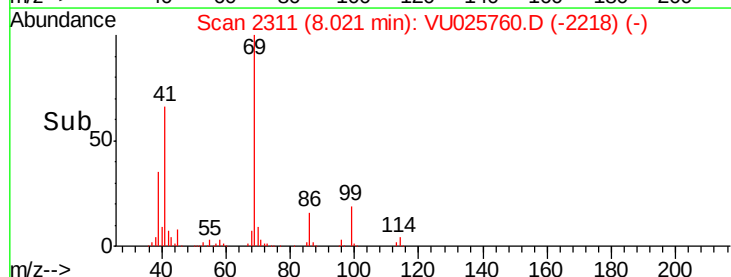
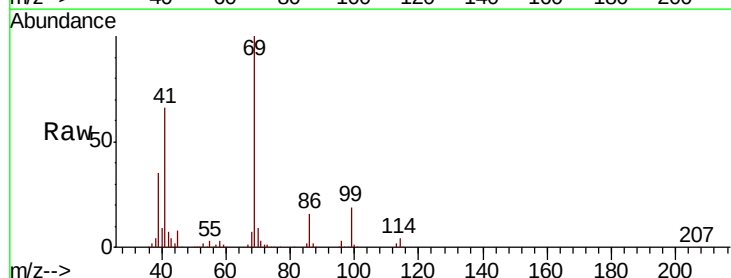
Manual Integrations
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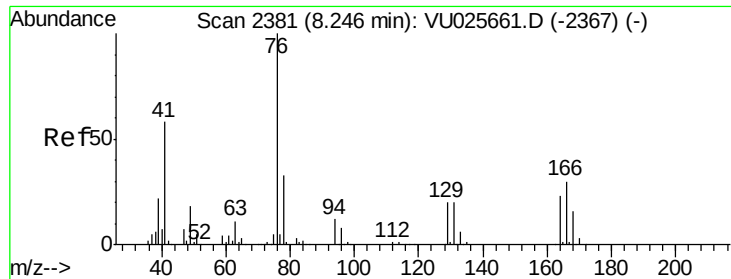
MMDadoda
 8/2/2018 9:41:15 AM



#56
 Ethyl methacrylate
 Concen: 52.818 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025760.D
 Acq: 01 Aug 2018 08:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		179480		
41	66.0	54.8	82.2		
39	35.3	31.1	46.7		





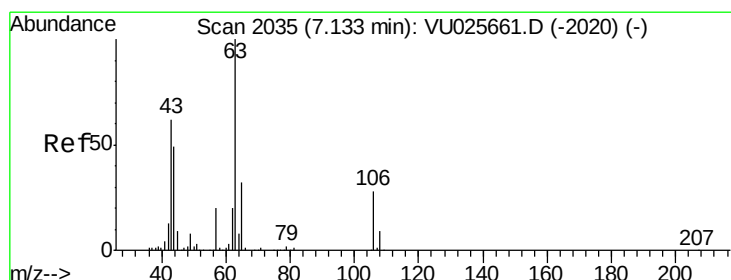
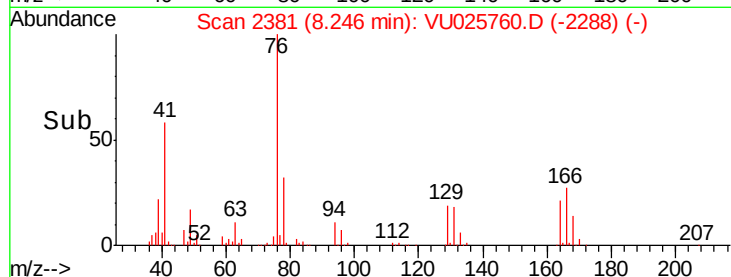
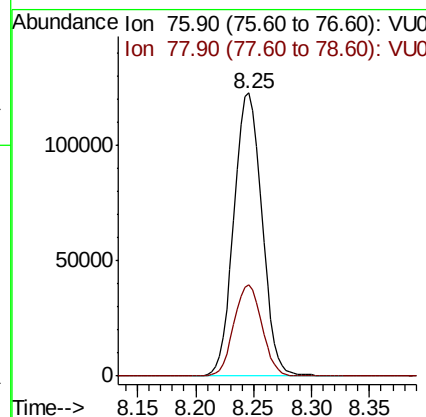
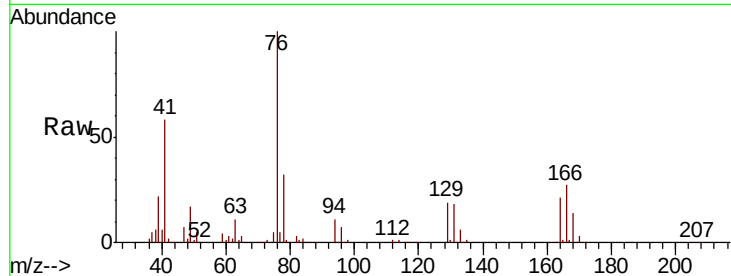
#57
 1,3-Dichloropropane
 Concen: 51.534 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU025760.D
 Acq: 01 Aug 2018 08:09

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.1	39.1

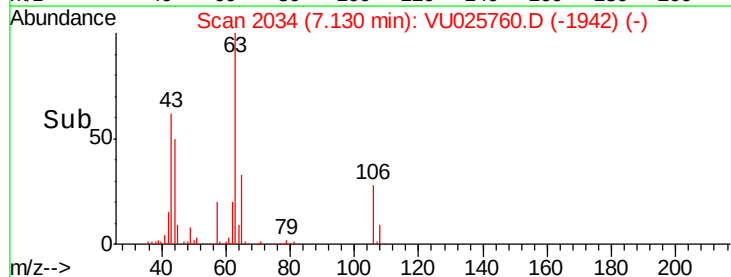
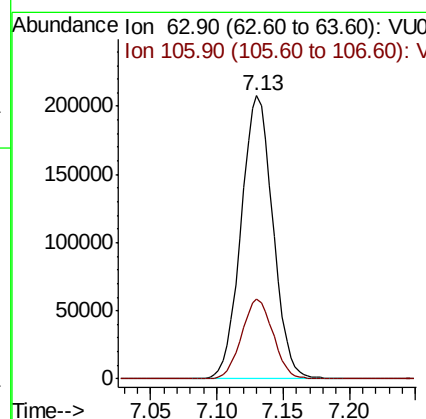
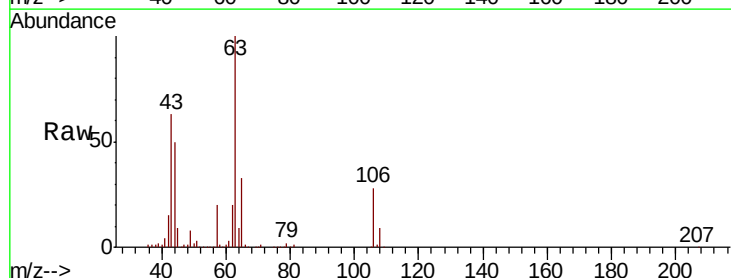
Manual Integrations
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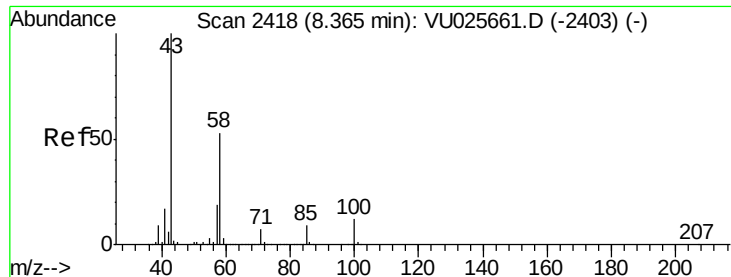
MMDadoda
 8/2/2018 9:41:15 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 225.725 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. -0.00 min
 Lab File: VU025760.D
 Acq: 01 Aug 2018 08:09

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.1	22.3	33.5





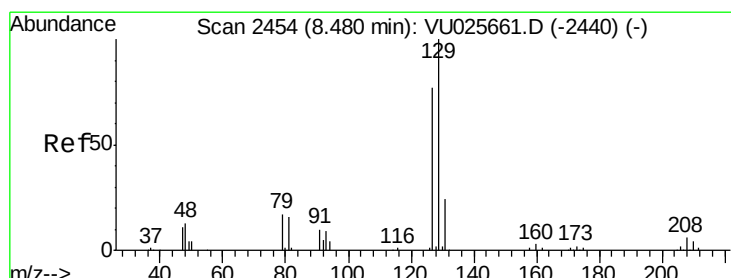
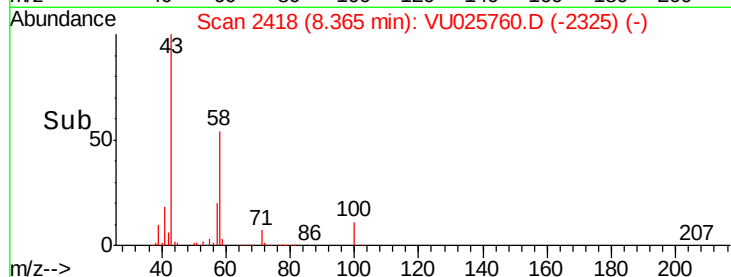
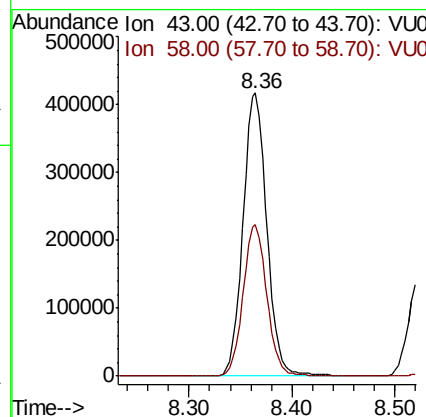
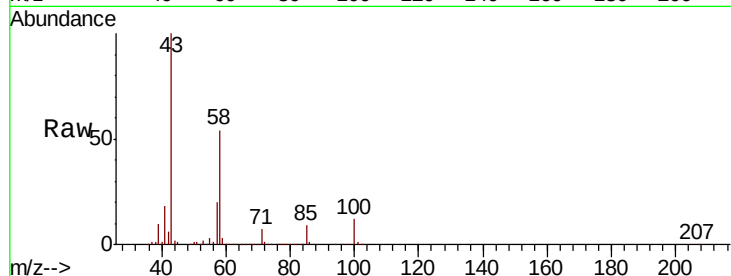
#59
2-Hexanone
Concen: 253.127 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025760.D
Acq: 01 Aug 2018 08:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	670797
Ion Ratio	100	Lower	Upper
43	100		
58	53.6	26.2	78.5

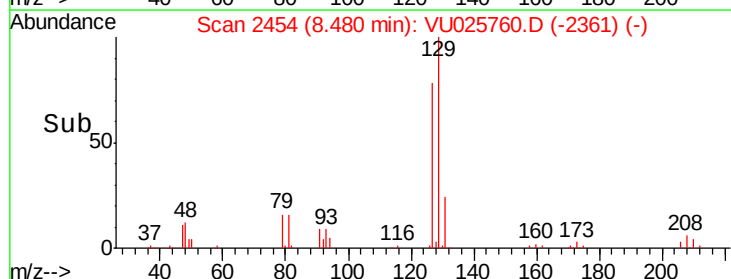
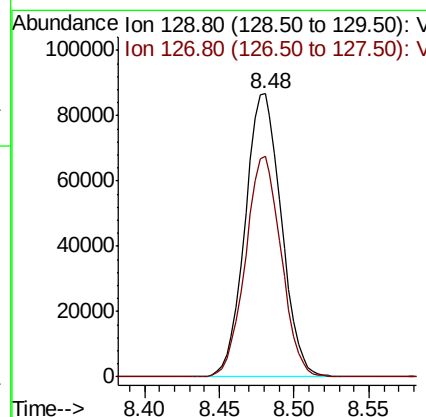
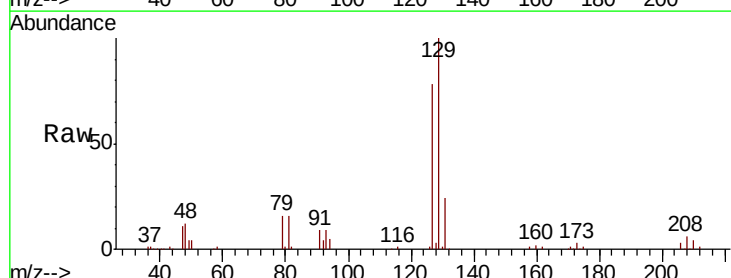
Manual Integrations
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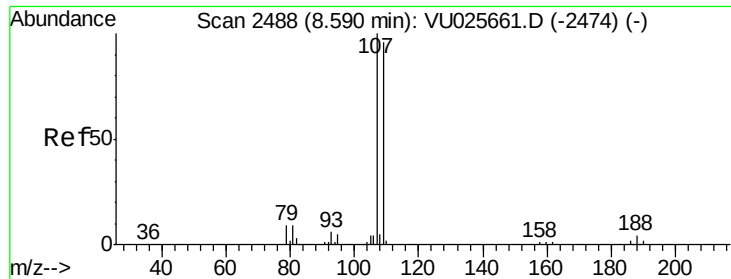
MMDadoda
8/2/2018 9:41:15 AM



#60
Dibromochloromethane
Concen: 52.218 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025760.D
Acq: 01 Aug 2018 08:09

Tgt Ion	129	Resp	146453
Ion Ratio	100	Lower	Upper
129	100		
127	76.8	38.6	115.8





#61

1,2-Dibromoethane

Concen: 50.657 ug/l

RT: 8.59 min Scan# 2487

Delta R.T. -0.00 min

Lab File: VU025760.D

Acq: 01 Aug 2018 08:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 133988

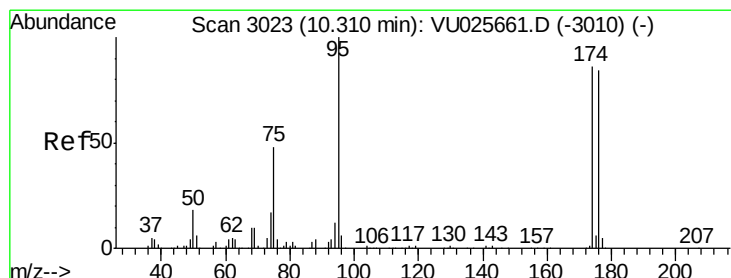
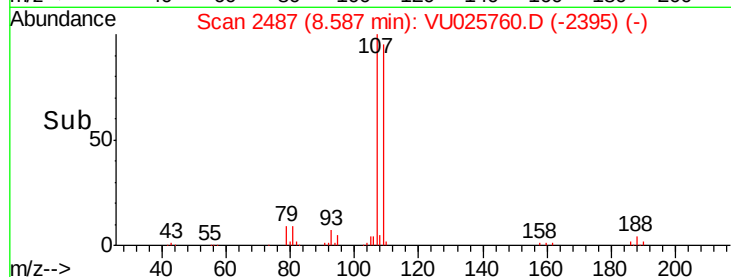
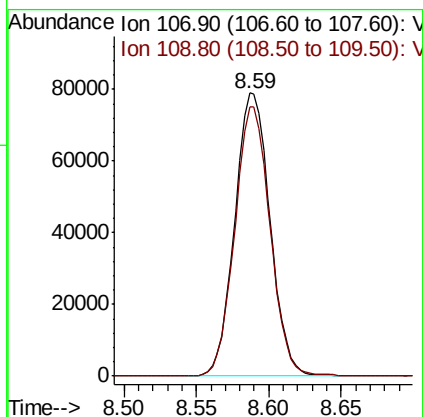
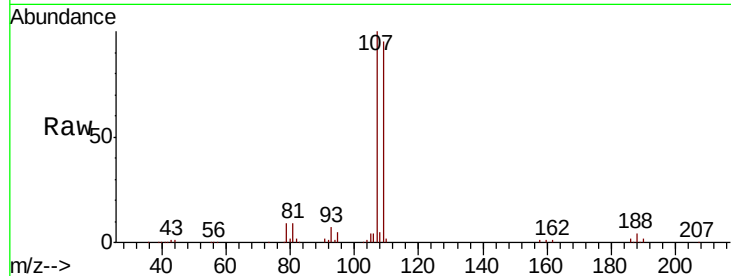
Ion Ratio Lower Upper

107 100

109 95.1 75.8 113.8

Manual Integrations
APPROVED

MMDadoda
8/2/2018 9:41:15 AM



#62

4-Bromofluorobenzene

Concen: 47.821 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025760.D

Acq: 01 Aug 2018 08:09

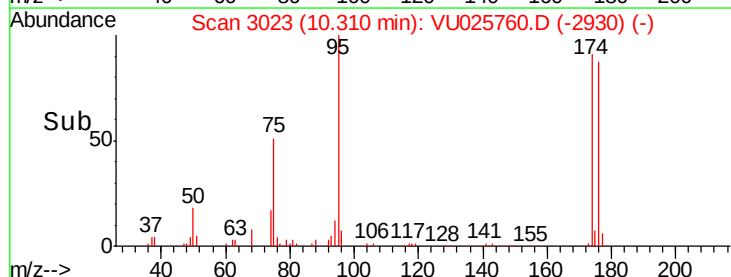
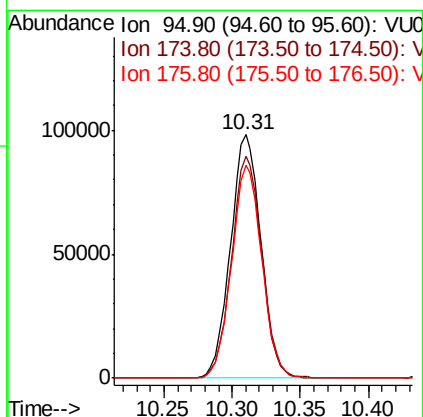
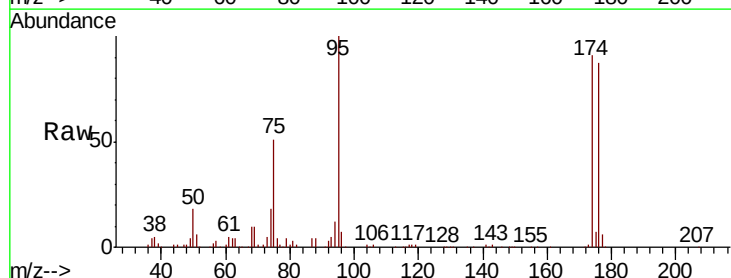
Tgt Ion: 95 Resp: 152340

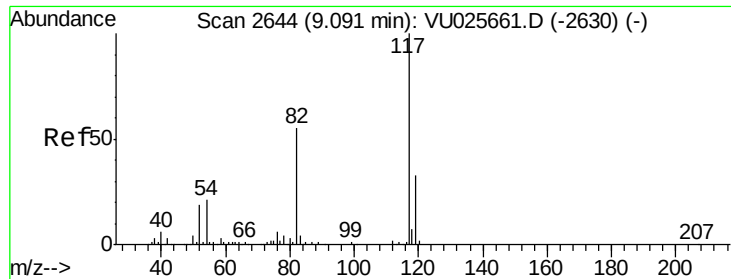
Ion Ratio Lower Upper

95 100

174 90.8 0.0 172.2

176 86.8 0.0 162.6





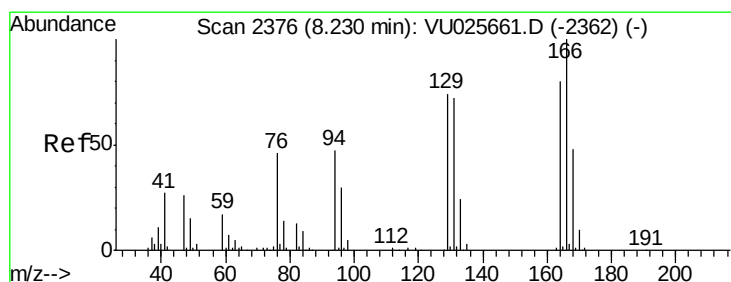
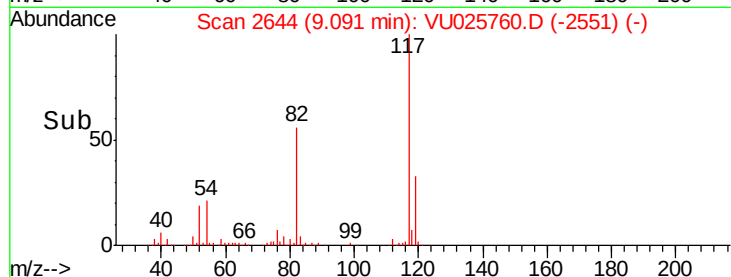
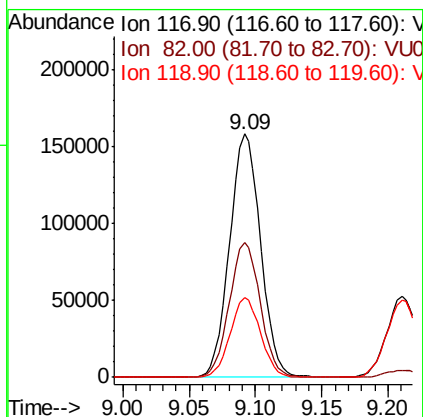
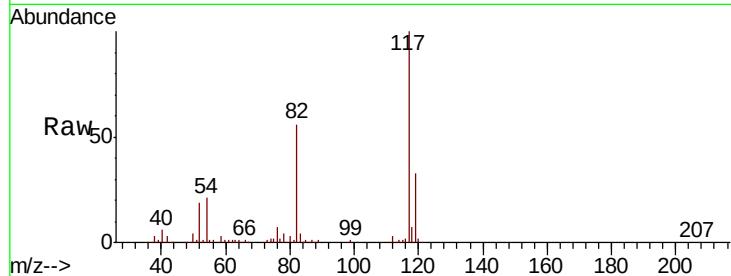
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VU025760.D
Acq: 01 Aug 2018 08:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	257281		
82	55.5	46.0	69.0	
119	32.5	26.0	39.0	

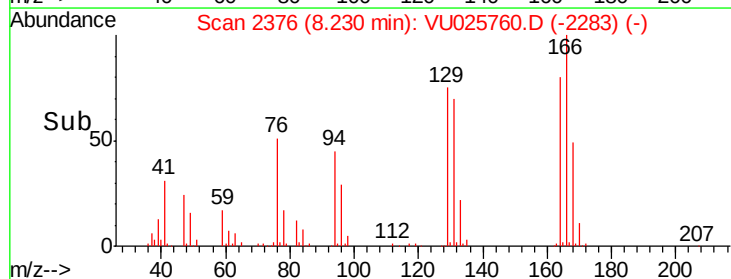
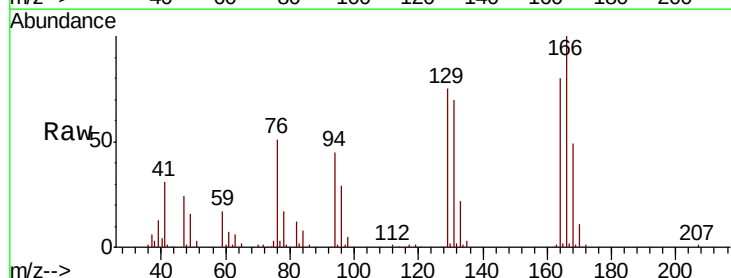
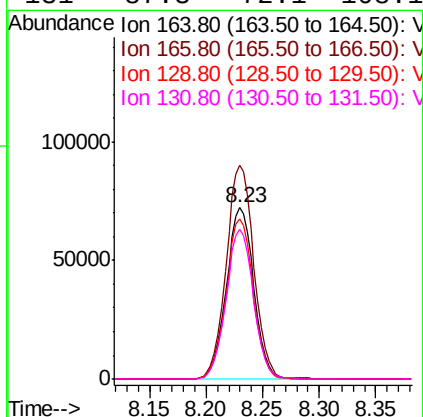
Manual Integrations
APPROVED

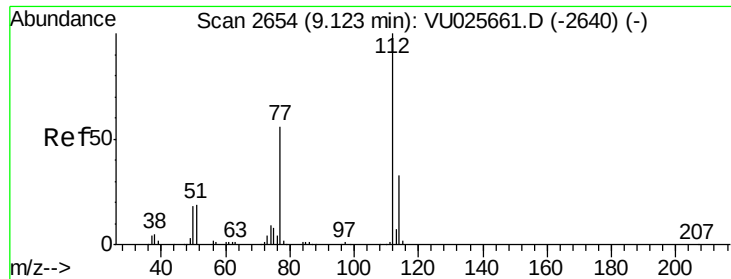
MMDadoda
8/2/2018 9:41:15 AM



#64
Tetrachloroethene
Concen: 53.687 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025760.D
Acq: 01 Aug 2018 08:09

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	121578		
166	124.8	101.1	151.7	
129	93.6	73.0	109.6	
131	87.3	72.1	108.1	





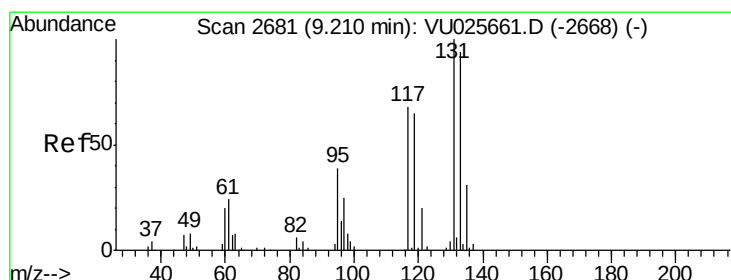
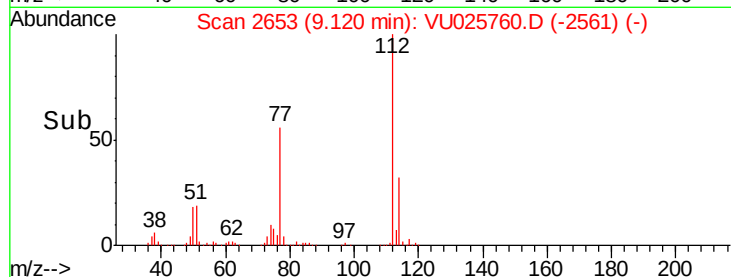
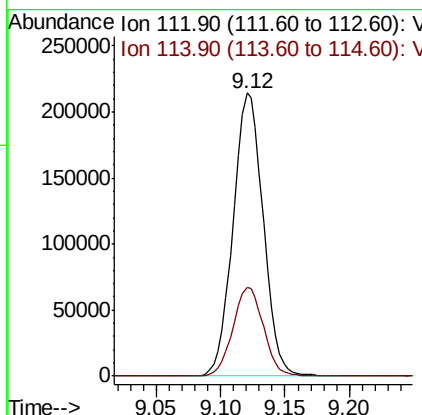
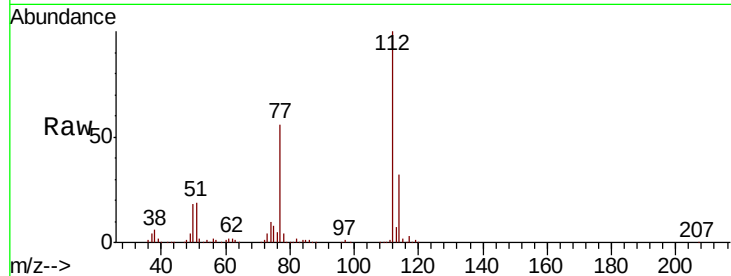
#65
Chlorobenzene
Concen: 52.507 ug/l
RT: 9.12 min Scan# 2653
Delta R.T. -0.00 min
Lab File: VU025760.D
Acq: 01 Aug 2018 08:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
112	100	348294		
114	31.6	25.8	38.8	

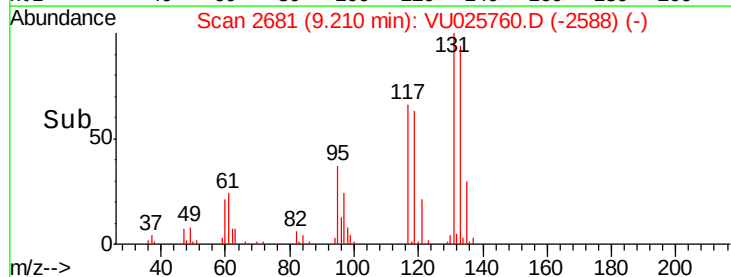
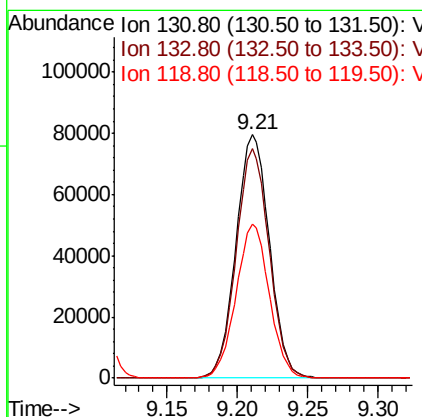
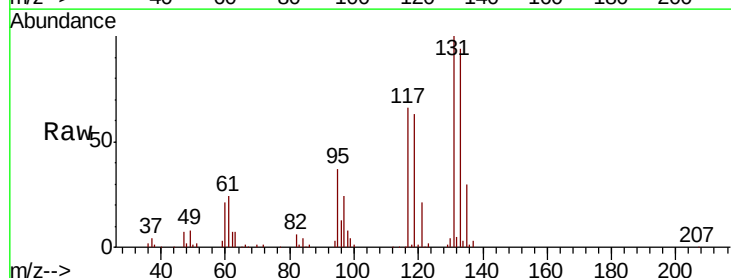
Manual Integrations
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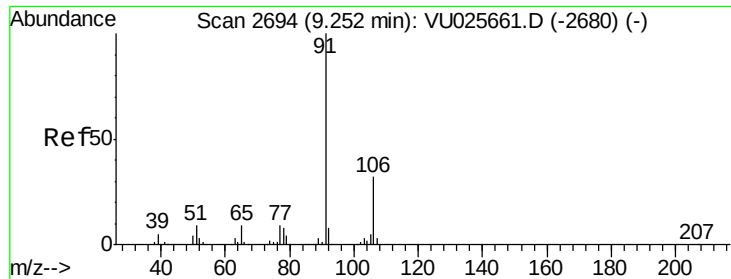
MMDadoda
8/2/2018 9:41:15 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 55.046 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU025760.D
Acq: 01 Aug 2018 08:09

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	132089		
133	93.6	47.8	143.3	
119	63.1	31.6	95.0	





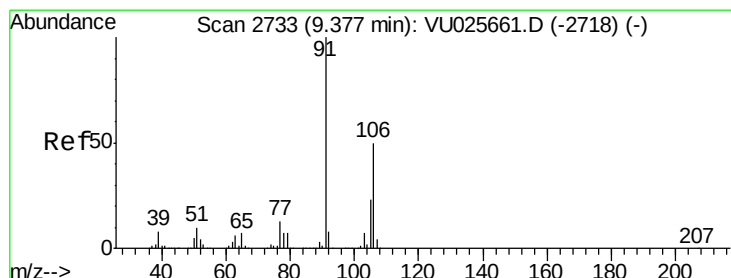
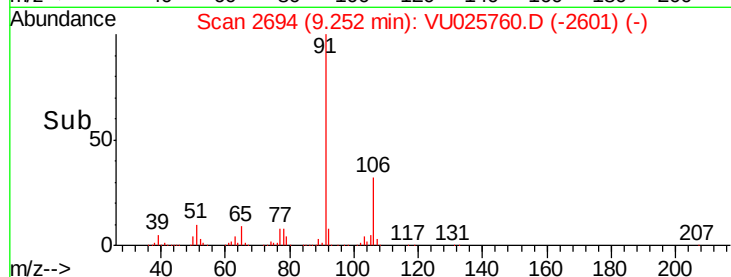
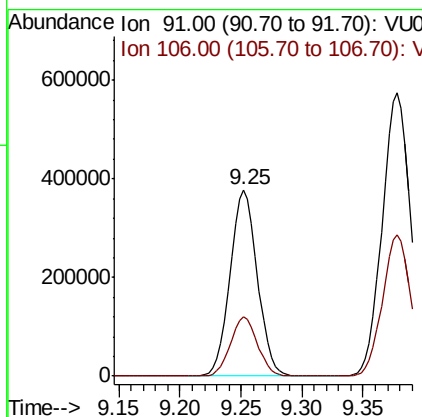
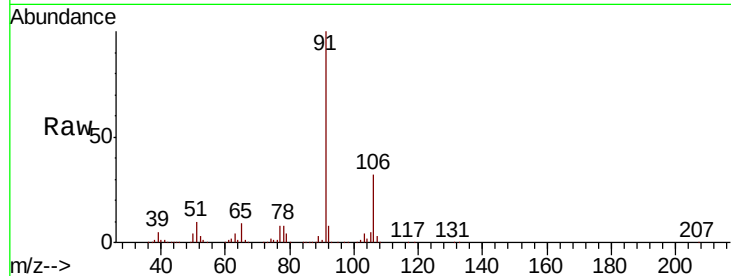
#67
Ethyl Benzene
Concen: 53.566 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025760.D
Acq: 01 Aug 2018 08:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 588563
Ion Ratio Lower Upper
91 100
106 31.8 25.3 37.9

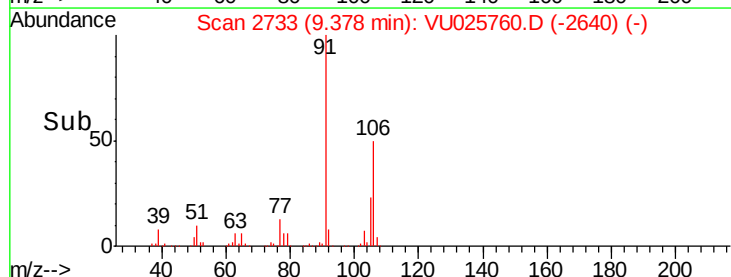
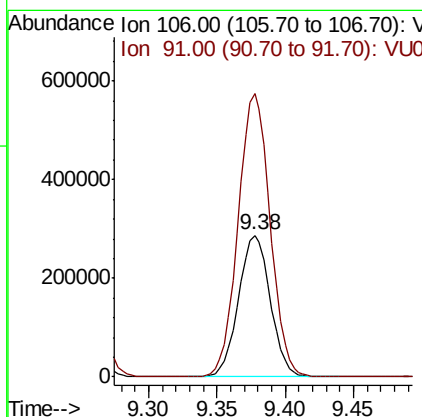
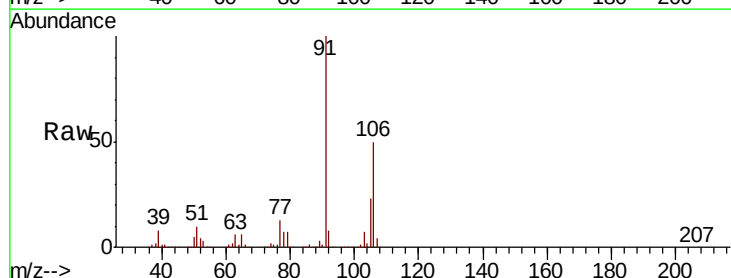
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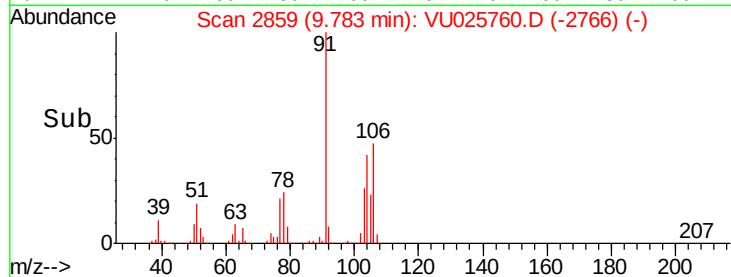
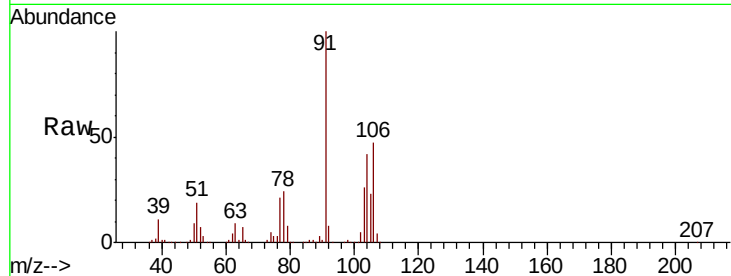
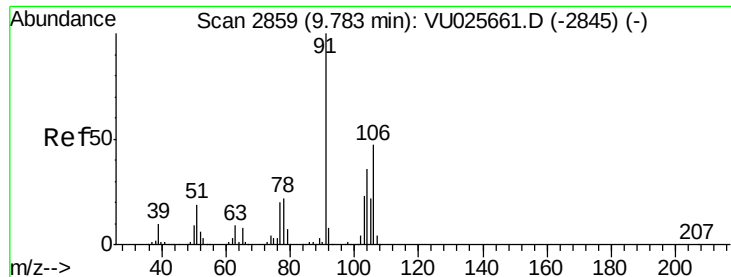
MMDadoda
8/2/2018 9:41:15 AM



#68
m/p-Xylenes
Concen: 110.061 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025760.D
Acq: 01 Aug 2018 08:09

Tgt Ion: 106 Resp: 464282
Ion Ratio Lower Upper
106 100
91 201.4 162.3 243.5





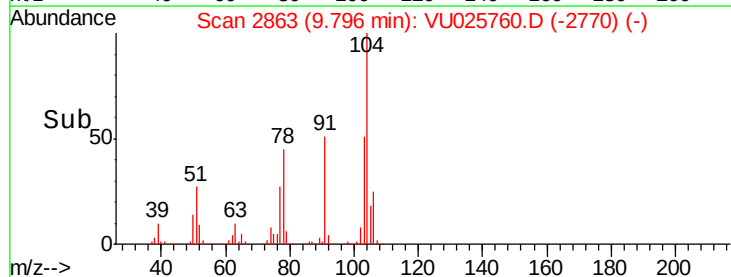
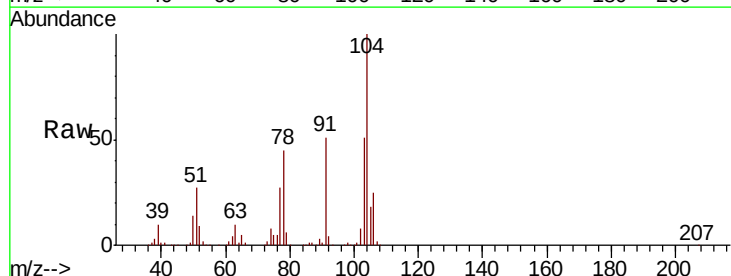
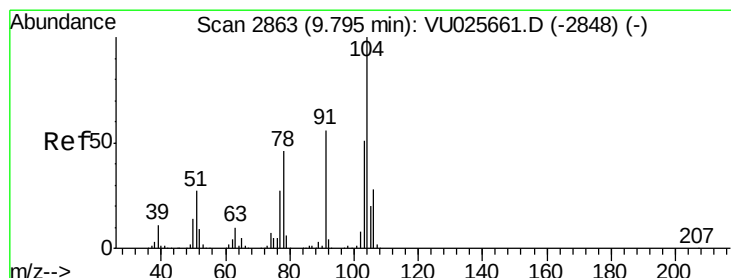
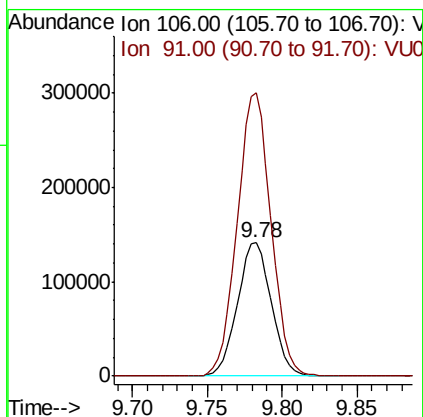
#69
o-Xylene
Concen: 53.929 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025760.D
Acq: 01 Aug 2018 08:09

Tot Ion	Ratio	Resp	Lower	Upper
106	100	222336		
91	212.0	105.3	315.8	

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

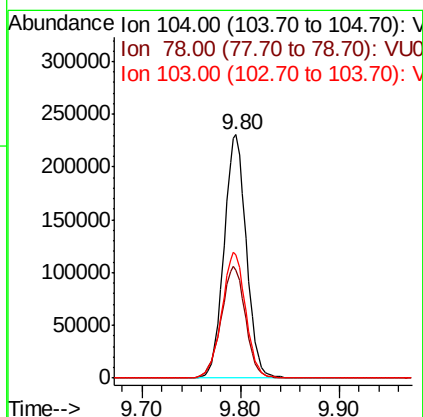
Manual Integrations
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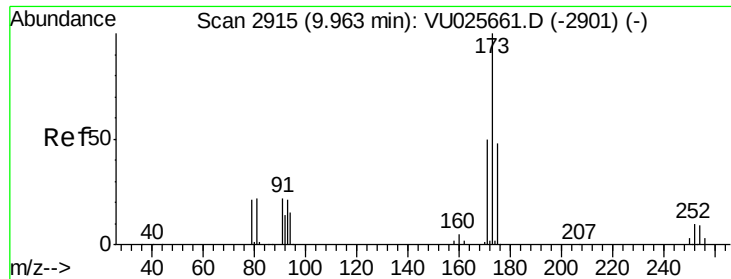
MMDadoda
8/2/2018 9:41:15 AM



#70
Styrene
Concen: 55.091 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025760.D
Acq: 01 Aug 2018 08:09

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	366869		
78	50.0	41.6	62.4	
103	55.1	44.6	66.8	





#71

Bromoform

Concen: 54.773 ug/l

RT: 9.96 min Scan# 2914

Delta R.T. -0.00 min

Lab File: VU025760.D

Acq: 01 Aug 2018 08:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 113967

Ion Ratio Lower Upper

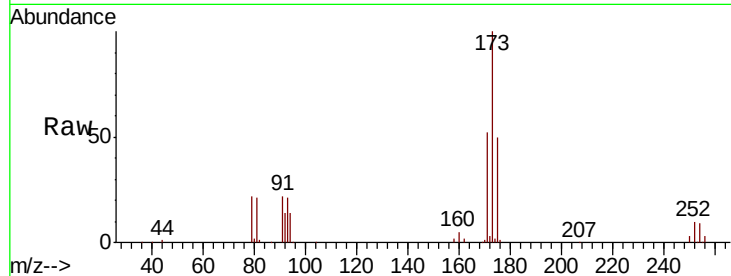
173 100

175 49.1 24.0 72.0

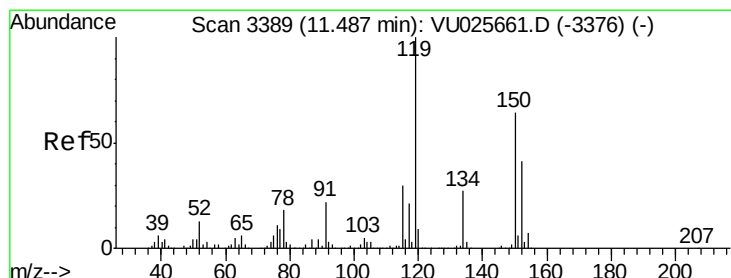
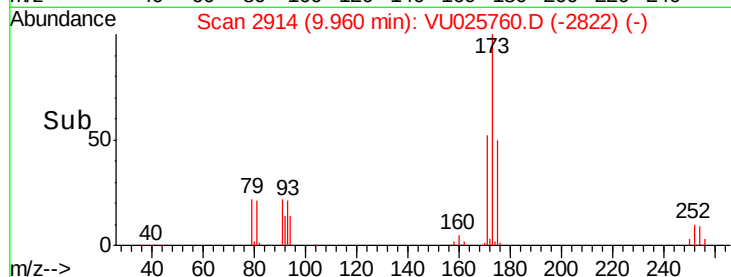
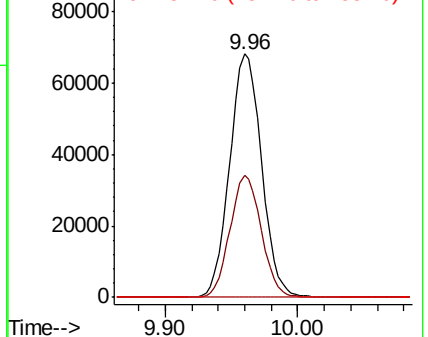
254 0.0 0.0 0.0#

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025760.D

Acq: 01 Aug 2018 08:09

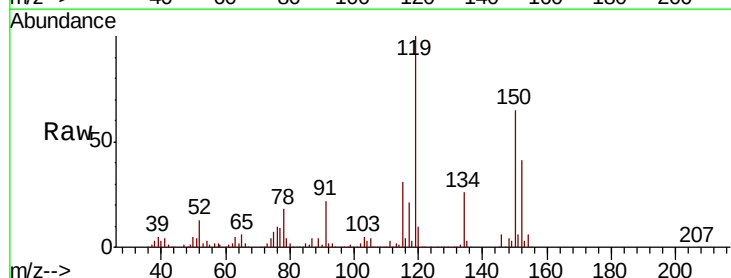
Tgt Ion:152 Resp: 170277

Ion Ratio Lower Upper

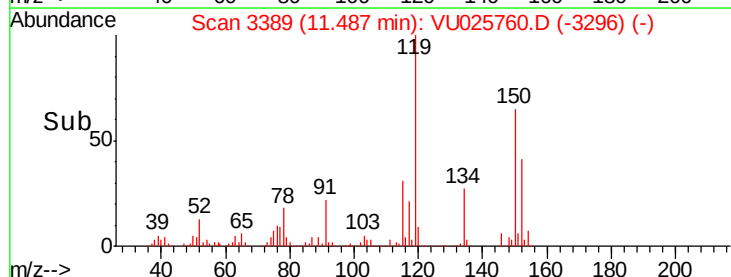
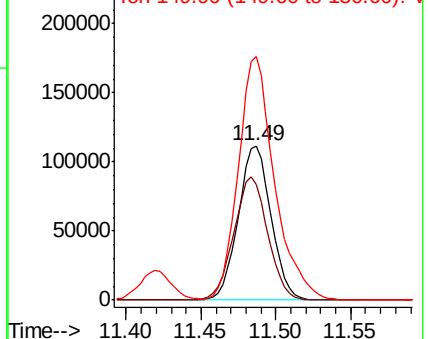
152 100

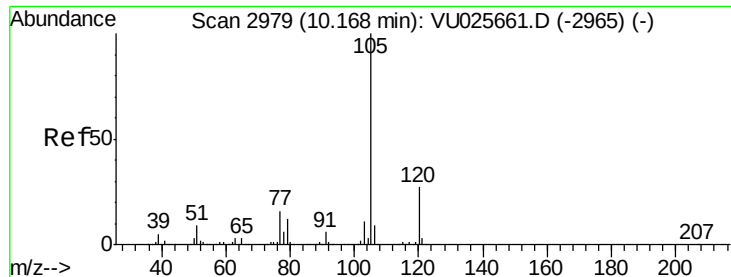
115 82.6 40.1 120.3

150 174.7 0.0 351.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.657 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025760.D

Acq: 01 Aug 2018 08:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 611966

Ion Ratio Lower Upper

105 100

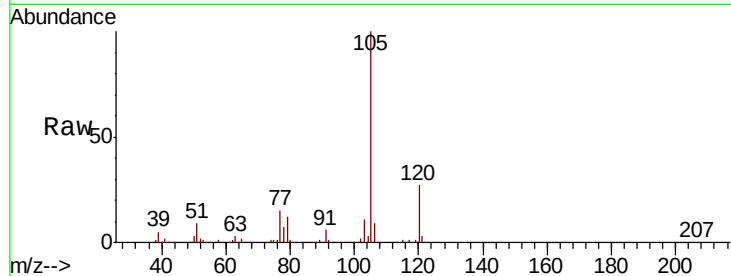
120 26.6 13.5 40.5

Manual Integrations

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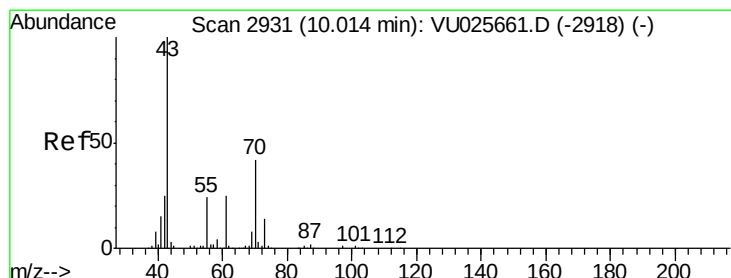
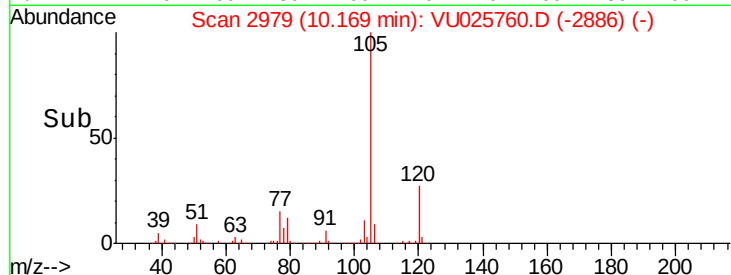
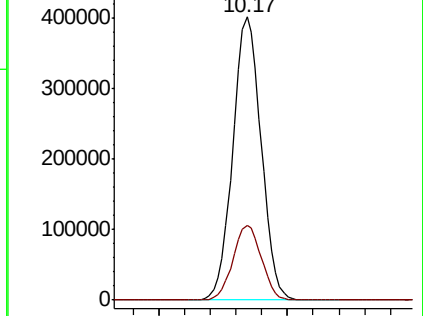
MMDadoda

8/2/2018 9:41:15 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.301 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025760.D

Acq: 01 Aug 2018 08:09

Tgt Ion: 43 Resp: 243397

Ion Ratio Lower Upper

43 100

70 42.3 33.4 50.2

55 24.4 19.0 28.6

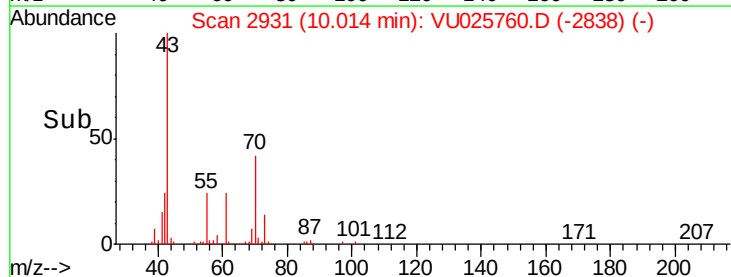
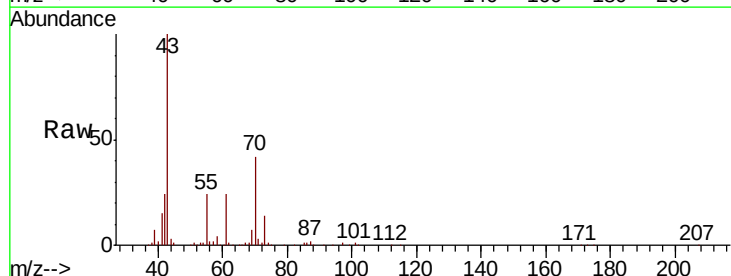
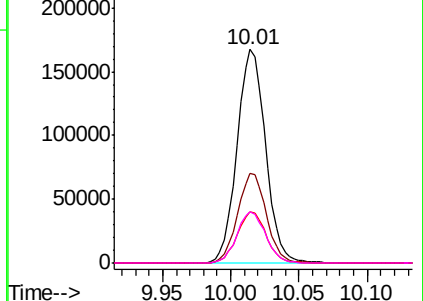
61 24.0 19.3 28.9

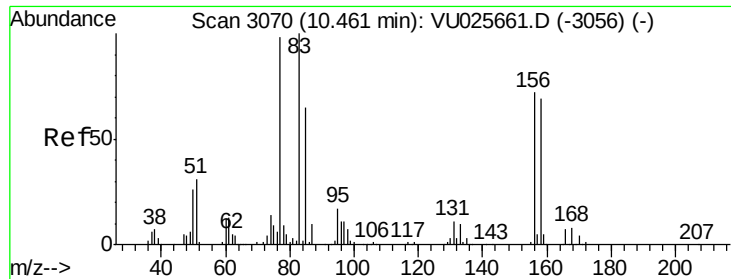
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.458 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025760.D

Acq: 01 Aug 2018 08:09

Instrument :

MSVOA_U

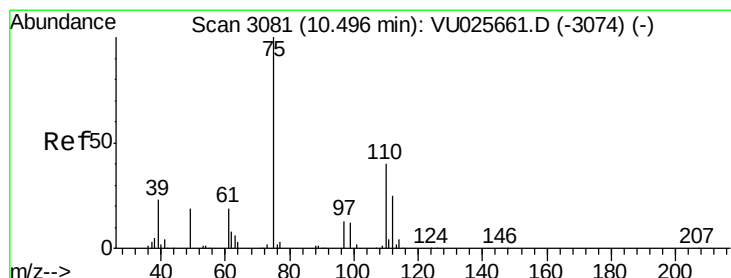
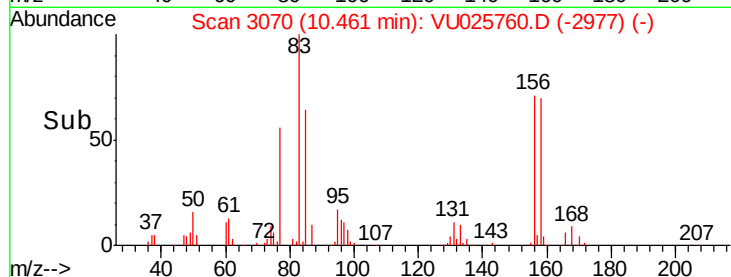
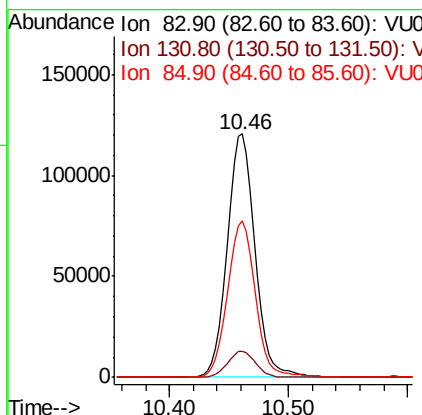
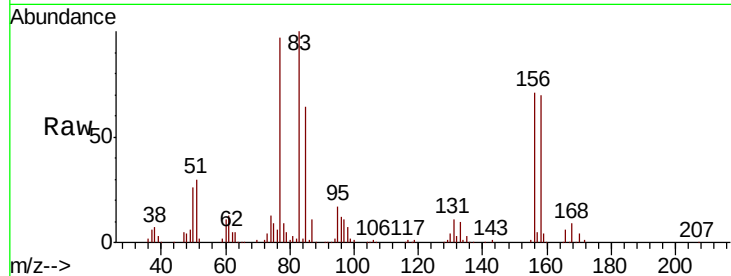
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	194751
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.5	16.4
85	64.7	31.6	94.8

Manual Integrations
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8/2/2018 9:41:15 AM



#76

1,2,3-Trichloropropane

Concen: 47.388 ug/l m

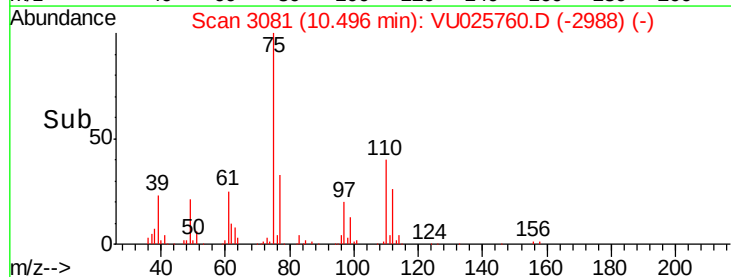
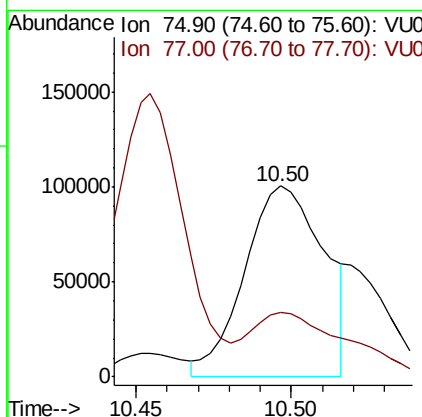
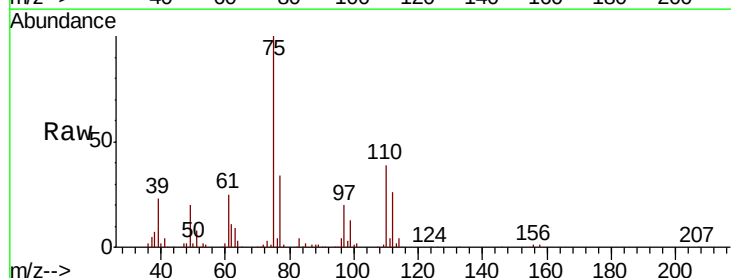
RT: 10.50 min Scan# 3081

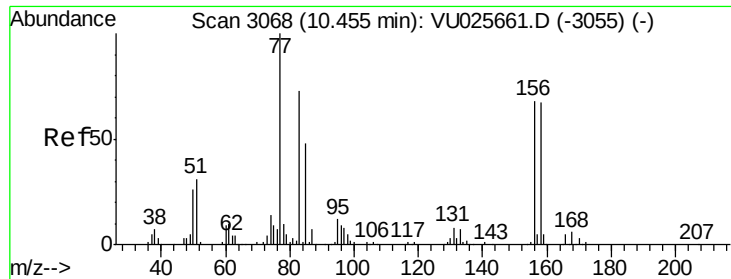
Delta R.T. 0.00 min

Lab File: VU025760.D

Acq: 01 Aug 2018 08:09

Tgt Ion:	75	Resp:	177788
Ion Ratio	Lower	Upper	
75	100		
77	42.0	20.4	61.3





#77

Bromobenzene

Concen: 50.436 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025760.D

Acq: 01 Aug 2018 08:09

Instrument :

MSVOA_U

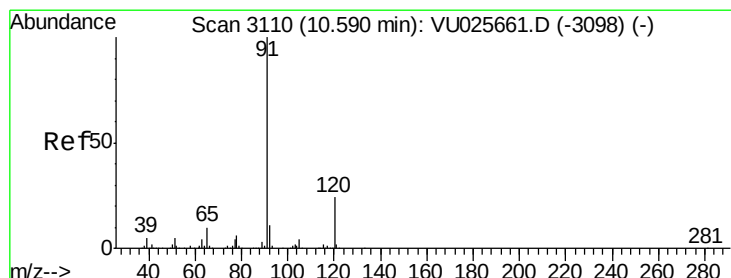
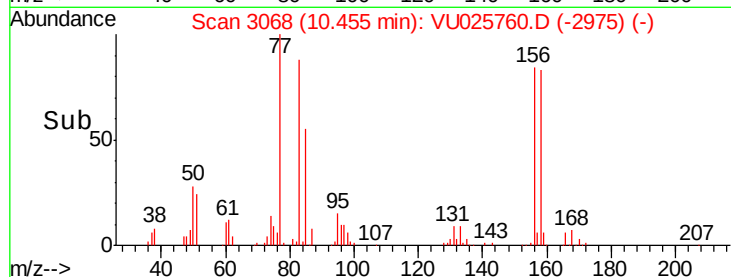
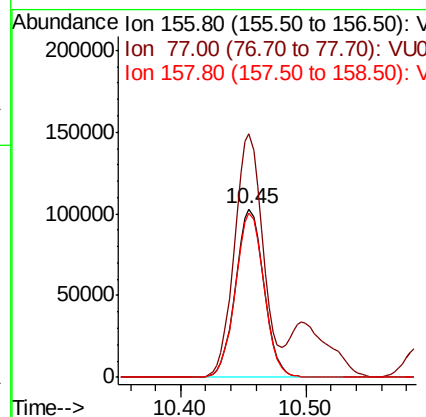
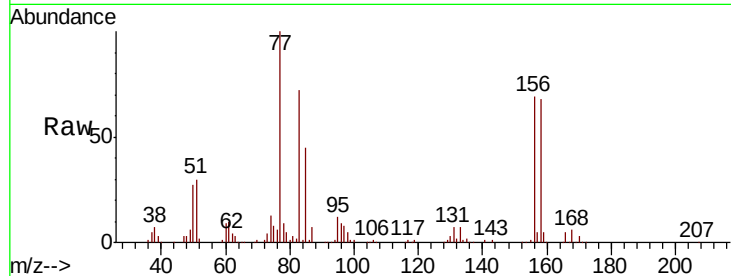
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	161679
Ion Ratio	Lower	Upper	
156	100		
77	145.0	73.8	221.4
158	98.2	48.0	144.0

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#78

n-propylbenzene

Concen: 53.395 ug/l

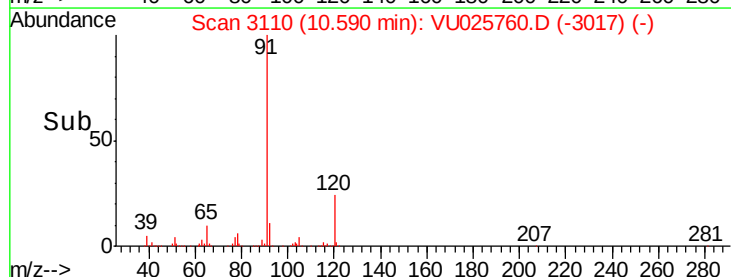
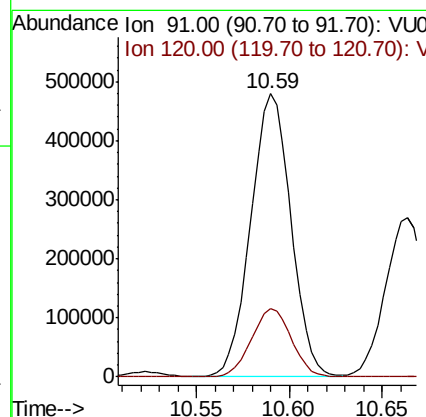
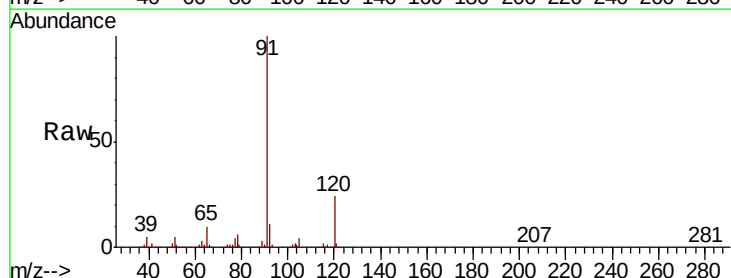
RT: 10.59 min Scan# 3110

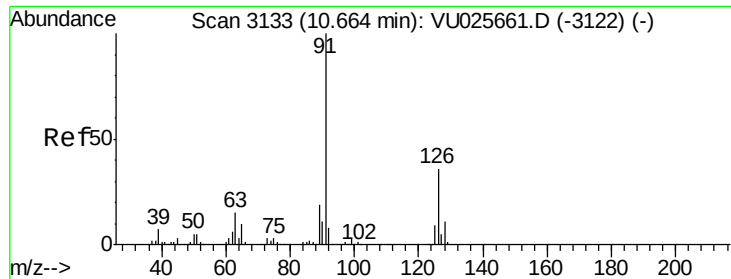
Delta R.T. 0.00 min

Lab File: VU025760.D

Acq: 01 Aug 2018 08:09

Tgt Ion:	91	Resp:	724285
Ion Ratio	Lower	Upper	
91	100		
120	24.0	11.8	35.3





#79

2-Chlorotoluene

Concen: 52.621 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025760.D

Acq: 01 Aug 2018 08:09

Instrument :

MSVOA_U

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 418078

Ion Ratio Lower Upper

91 100

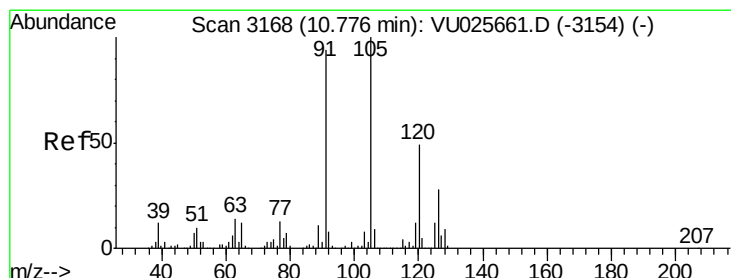
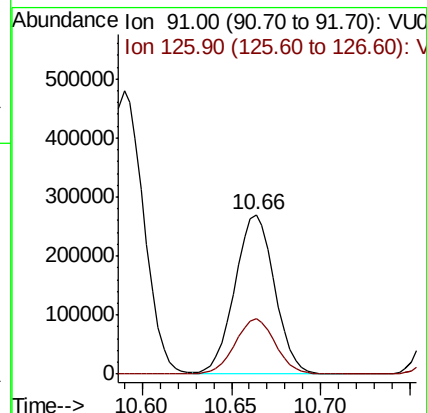
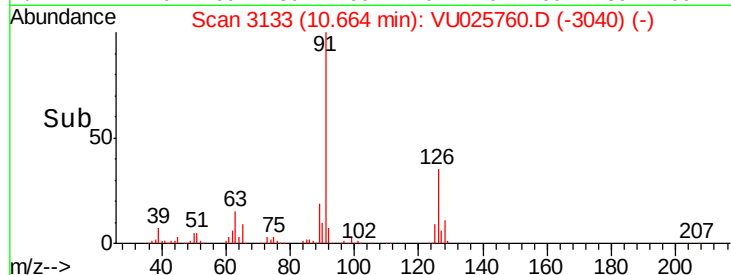
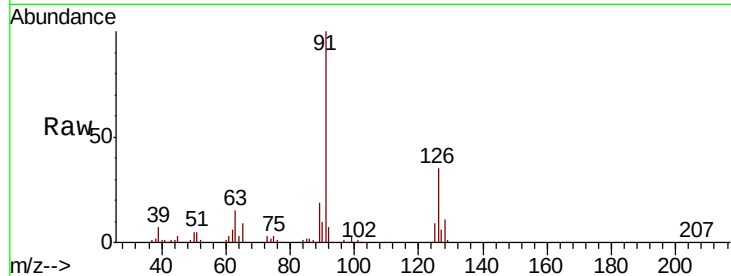
126 35.4 17.5 52.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 53.340 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025760.D

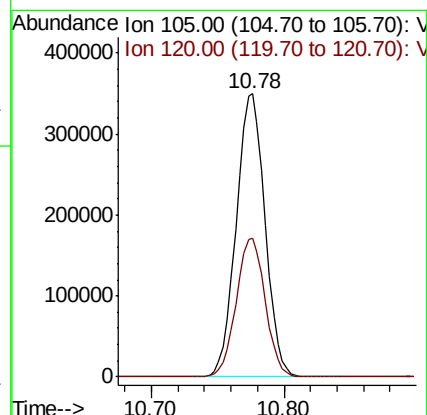
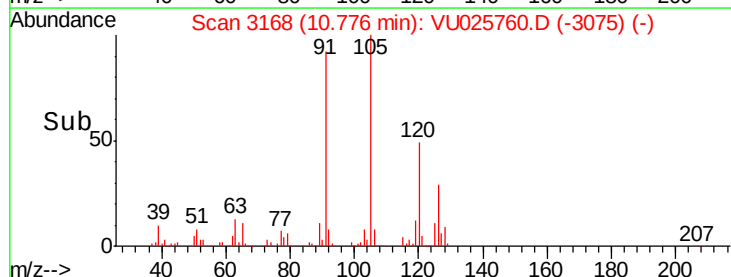
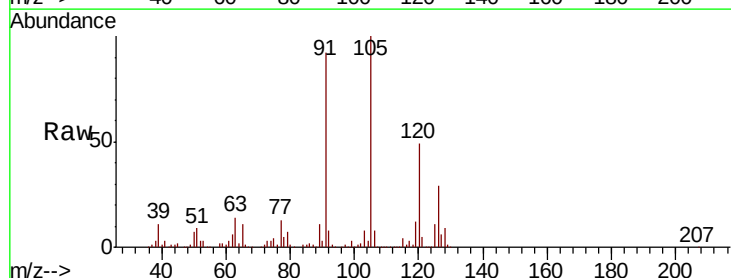
Acq: 01 Aug 2018 08:09

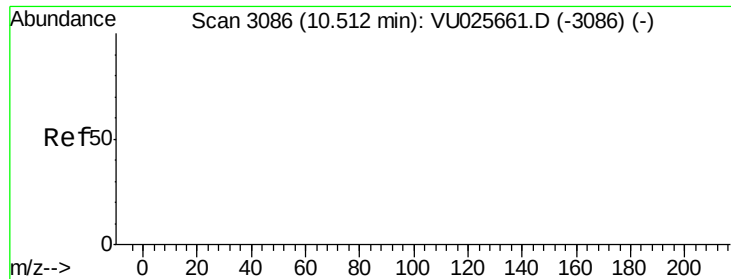
Tgt Ion: 105 Resp: 526471

Ion Ratio Lower Upper

105 100

120 49.4 24.1 72.2





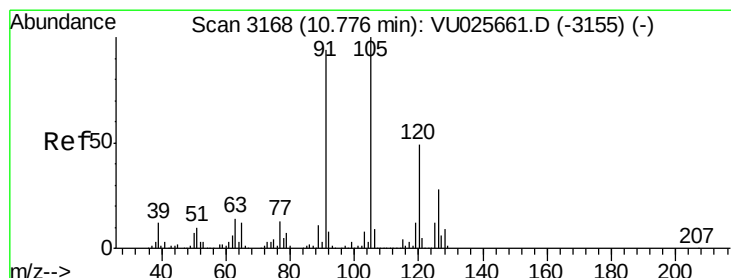
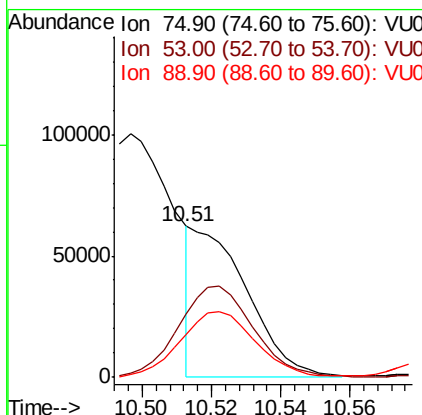
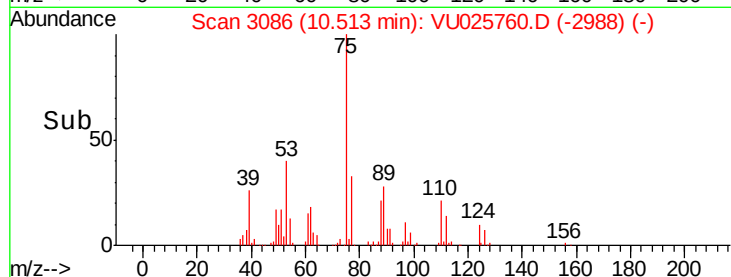
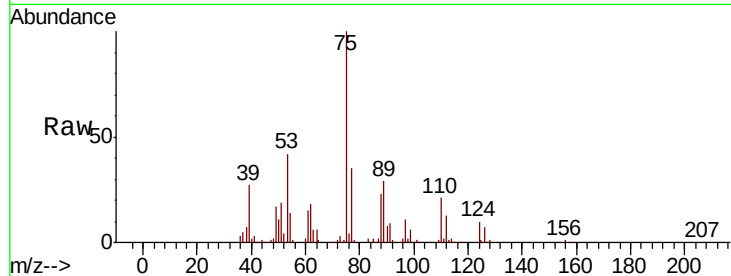
#81
trans-1,4-Dichloro-2-butene
Concen: 45.335 ug/l m
RT: 10.51 min Scan# 3086
Delta R.T. 0.02 min
Lab File: VU025760.D
Acq: 01 Aug 2018 08:09

Instrument :
MSVOA_U
ClientSampled :
VSTDCCC050

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

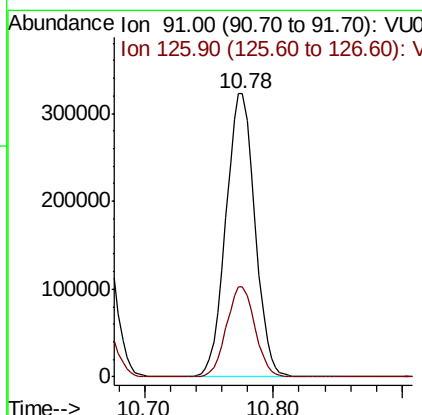
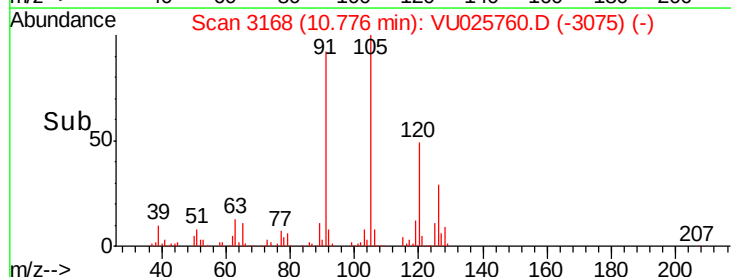
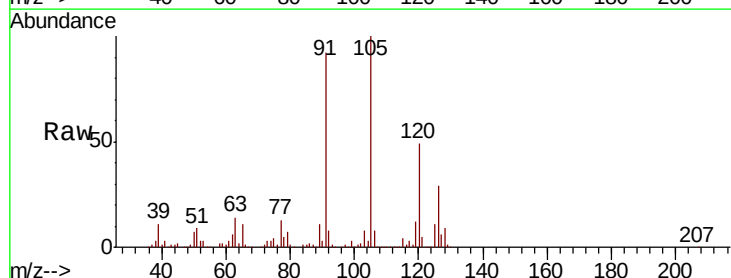
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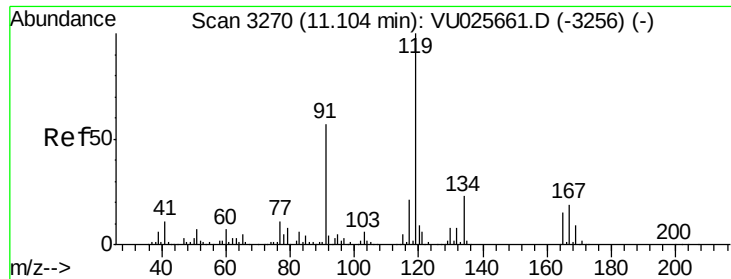
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#82
4-Chlorotoluene
Concen: 53.493 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025760.D
Acq: 01 Aug 2018 08:09

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.3	45.9





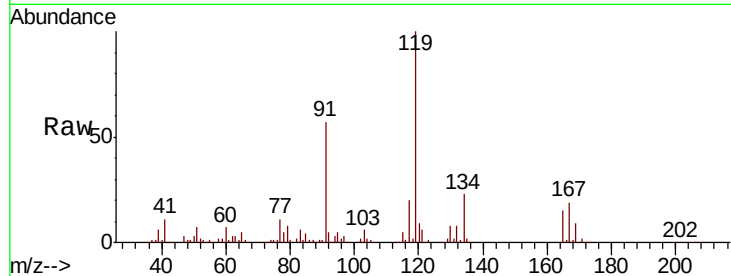
#83
tert-Butylbenzene
Concen: 52.933 ug/l
RT: 11.10 min Scan# 3270
Delta R.T. 0.00 min
Lab File: VU025760.D
Acq: 01 Aug 2018 08:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

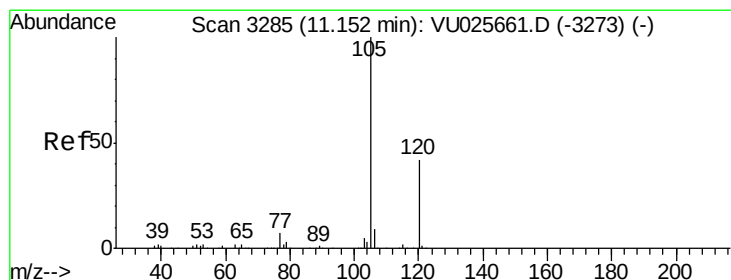
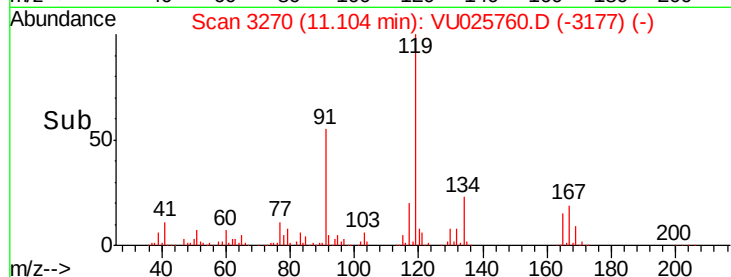
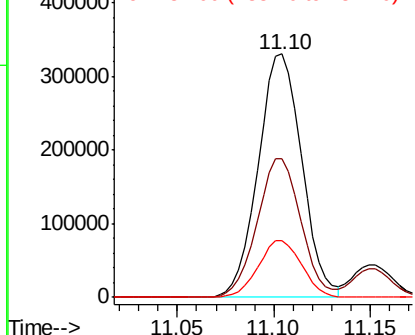
Tot Ion	Ratio	Resp	Lower	Upper
119	100	519091		
91	56.8	29.7	89.1	
134	23.2	11.5	34.5	

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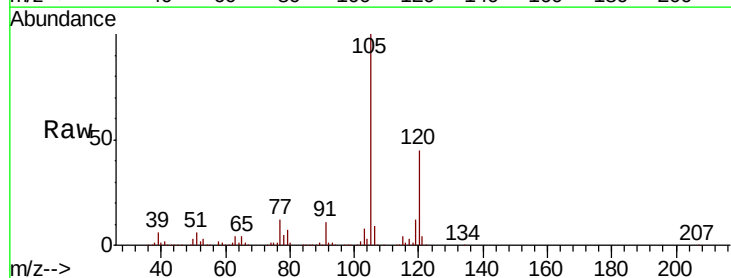


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VU0
Ion 134.00 (133.70 to 134.70): V

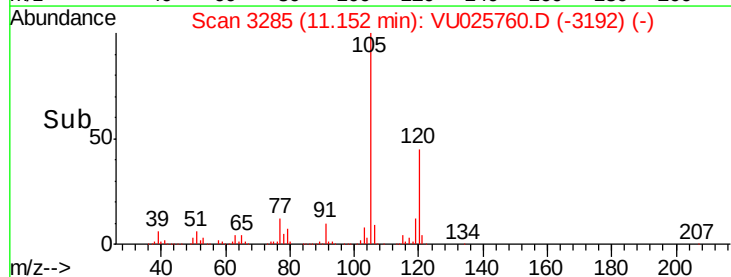
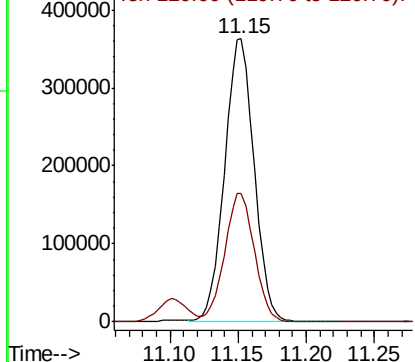


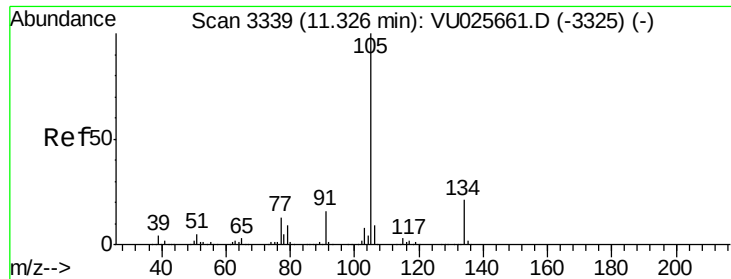
#84
1,2,4-Trimethylbenzene
Concen: 54.415 ug/l
RT: 11.15 min Scan# 3285
Delta R.T. 0.00 min
Lab File: VU025760.D
Acq: 01 Aug 2018 08:09

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	544256		
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: 52.940 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025760.D

Acq: 01 Aug 2018 08:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 633846

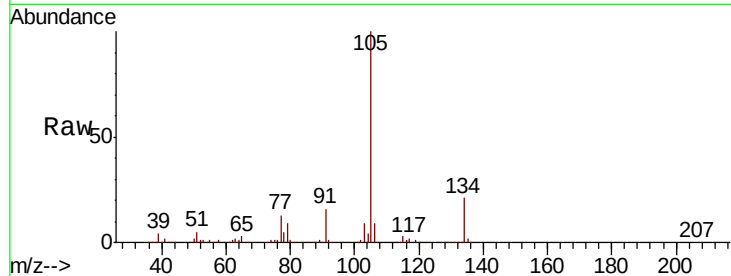
Ion Ratio Lower Upper

105 100

134 20.6 10.3 30.8

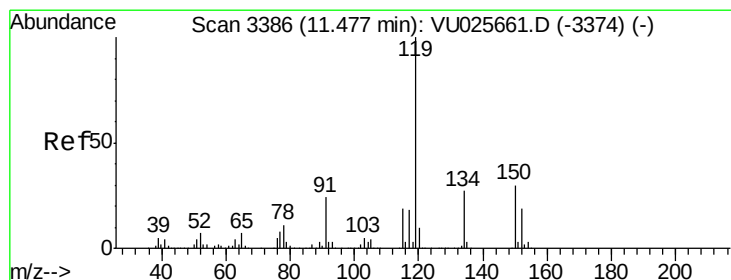
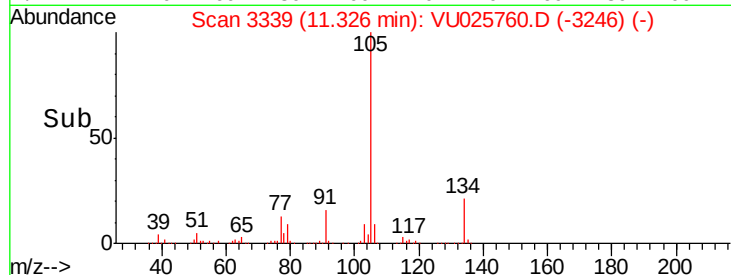
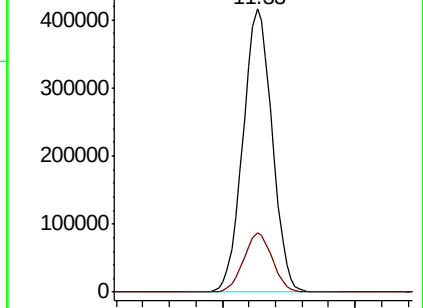
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 54.107 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU025760.D

Acq: 01 Aug 2018 08:09

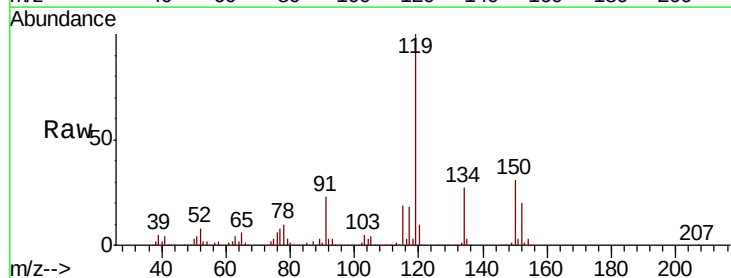
Tgt Ion:119 Resp: 580073

Ion Ratio Lower Upper

119 100

134 26.4 13.2 39.5

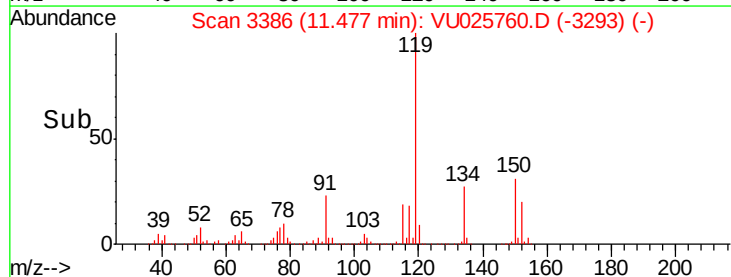
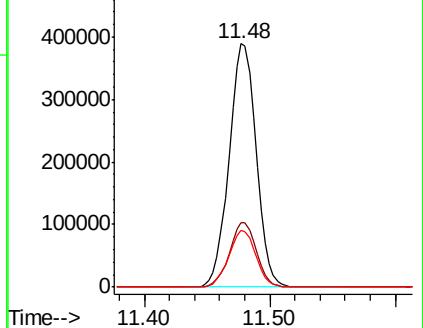
91 23.3 12.0 36.1

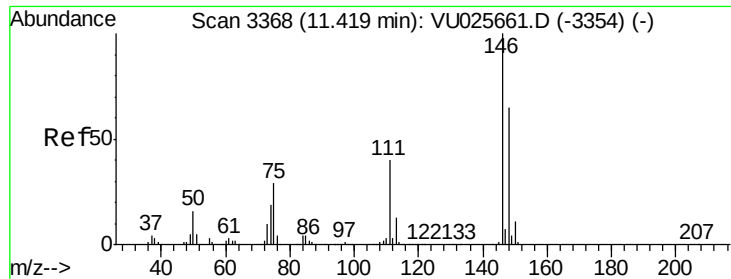


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





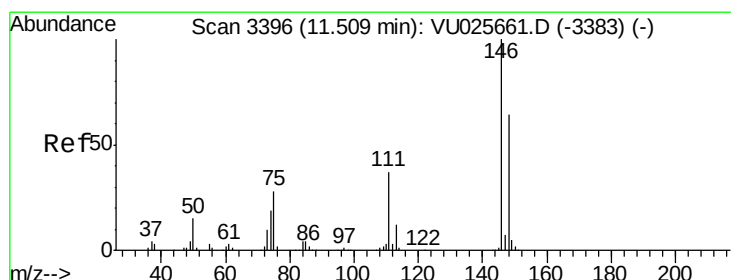
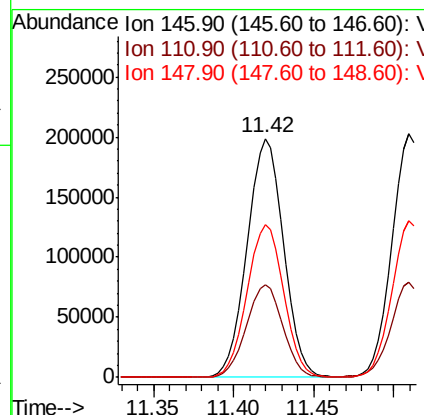
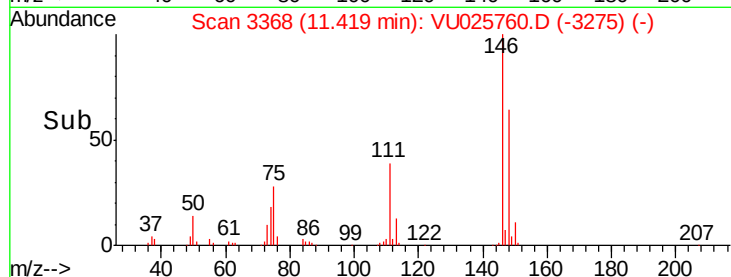
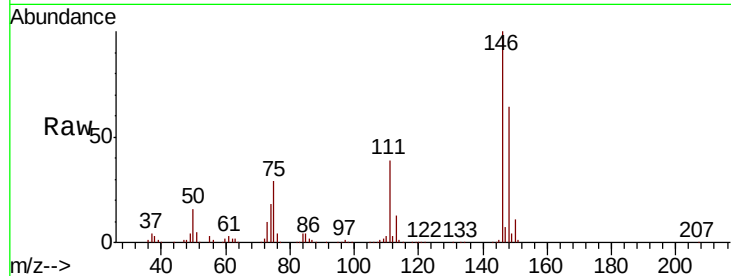
#87
 1,3-Dichlorobenzene
 Concen: 51.769 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025760.D
 Acq: 01 Aug 2018 08:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.7	59.1
148	64.2	32.1	96.3

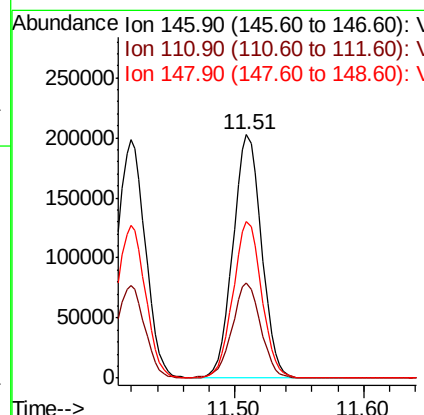
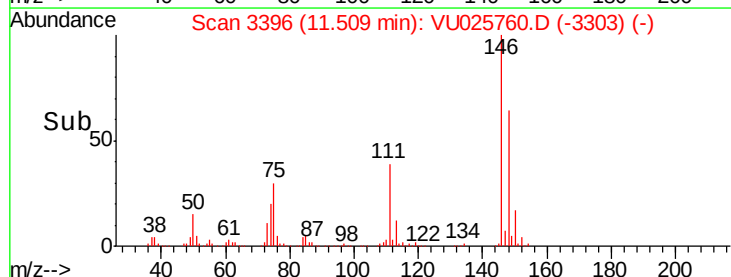
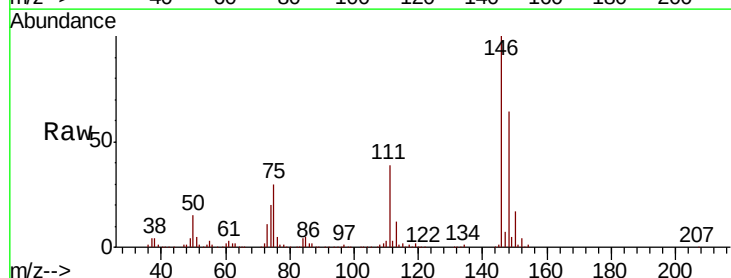
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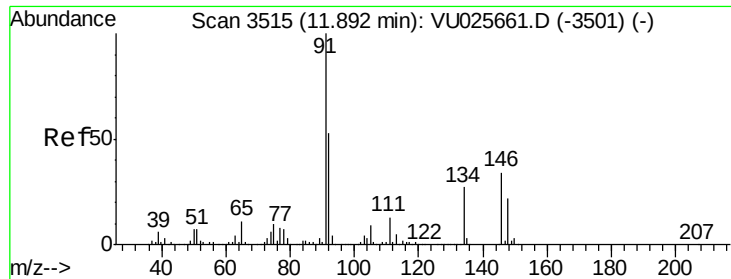
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#88
 1,4-Dichlorobenzene
 Concen: 50.284 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025760.D
 Acq: 01 Aug 2018 08:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.4	58.1
148	64.3	31.7	95.1





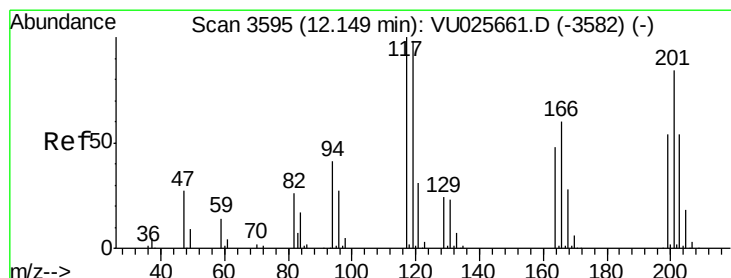
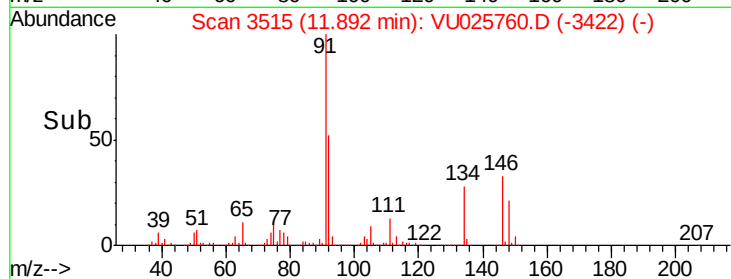
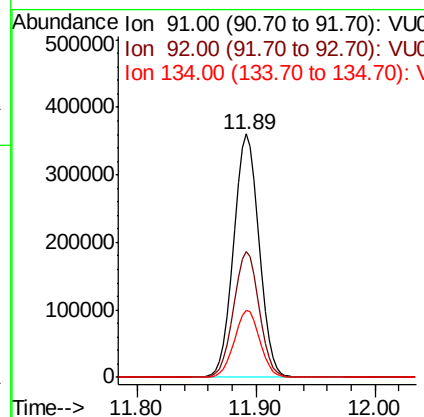
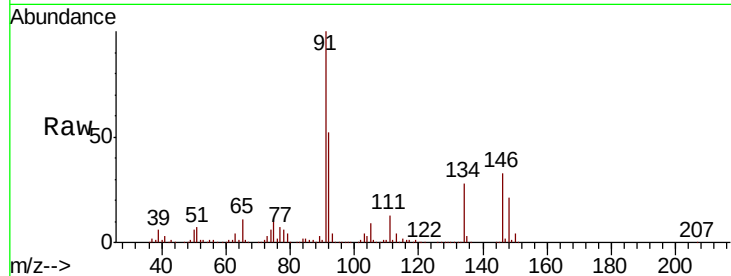
#89
n-Butylbenzene
Concen: 53.917 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU025760.D
Acq: 01 Aug 2018 08:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.5	79.5
134	27.6	13.6	40.7

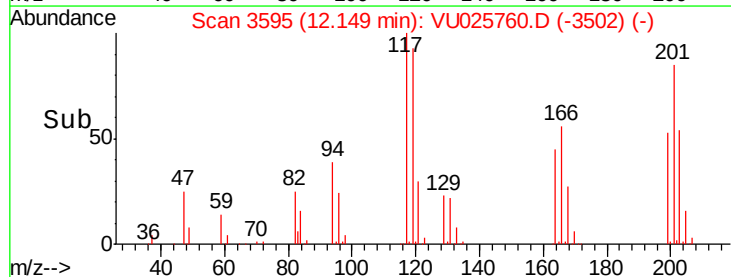
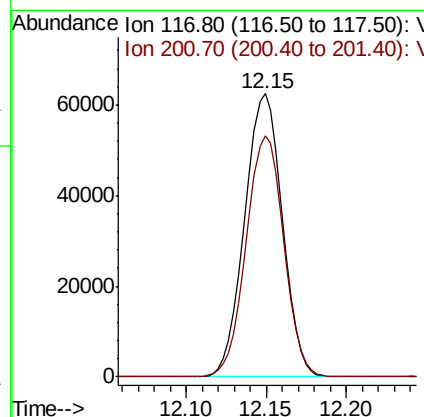
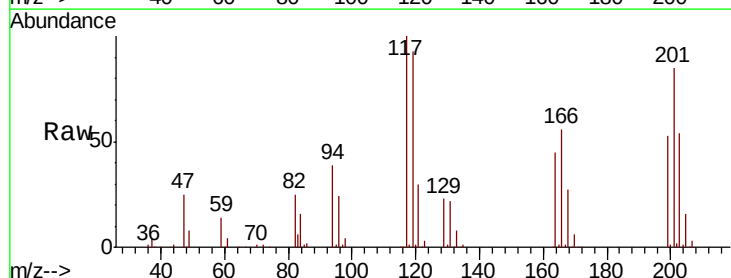
Manual Integrations
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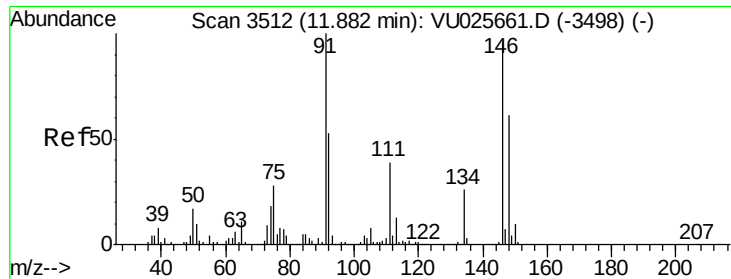
MMDadoda
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#90
Hexachloroethane
Concen: 52.557 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025760.D
Acq: 01 Aug 2018 08:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.0	42.5	127.6





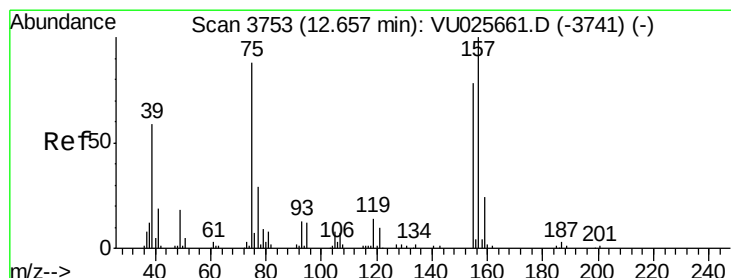
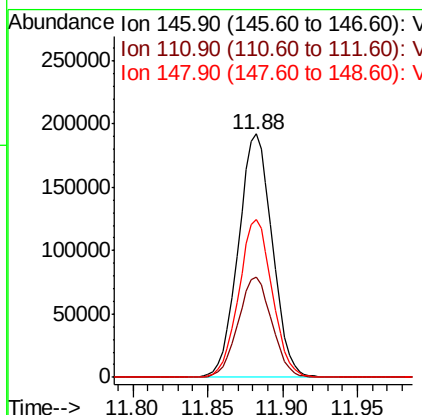
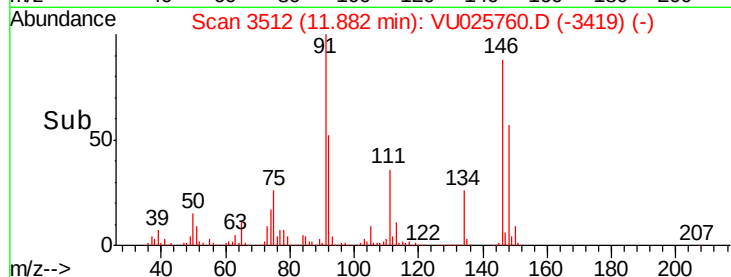
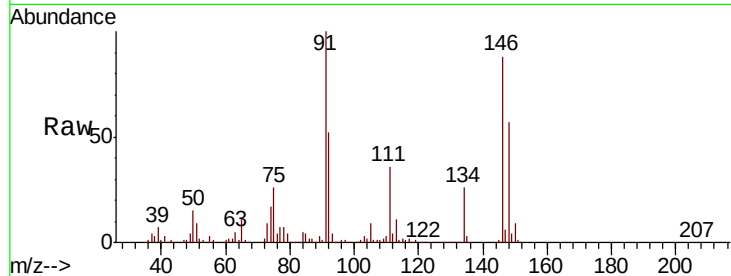
#91
 1,2-Dichlorobenzene
 Concen: 52.066 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025760.D
 Acq: 01 Aug 2018 08:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.6	61.8
148	63.8	31.5	94.5

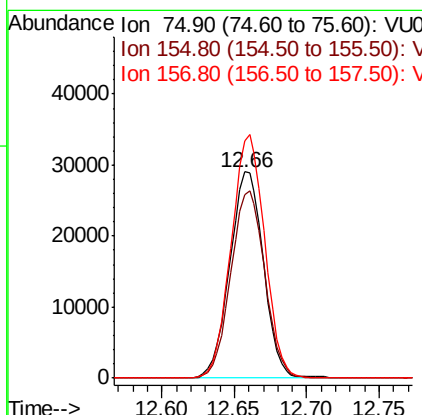
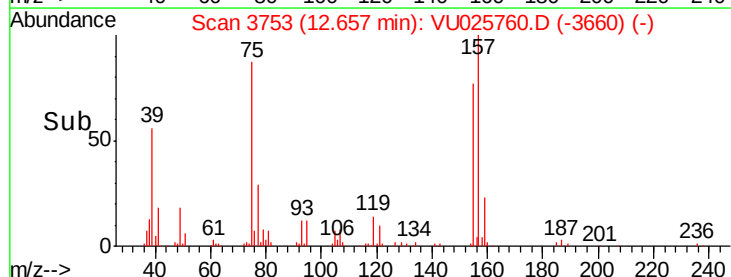
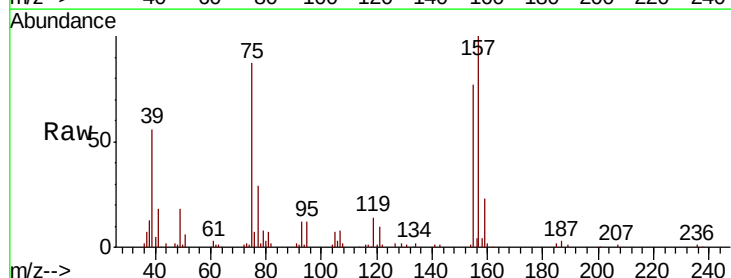
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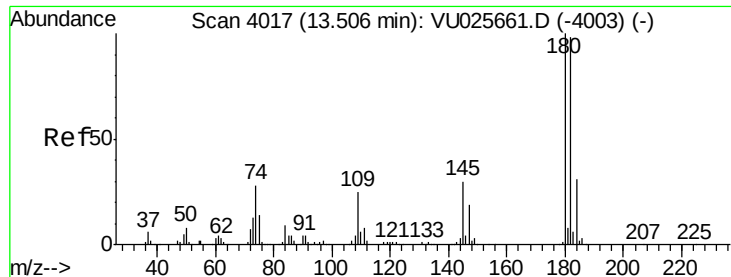
MMDadoda
 8/2/2018 9:41:15 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.276 ug/l
 RT: 12.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VU025760.D
 Acq: 01 Aug 2018 08:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.4	44.5	133.3
157	117.0	57.0	170.8





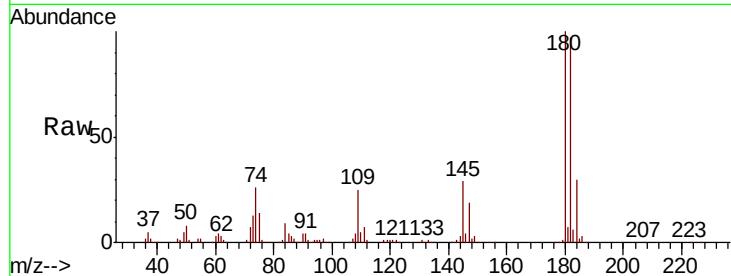
#93
 1,2,4-Trichlorobenzene
 Concen: 55.350 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025760.D
 Acq: 01 Aug 2018 08:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

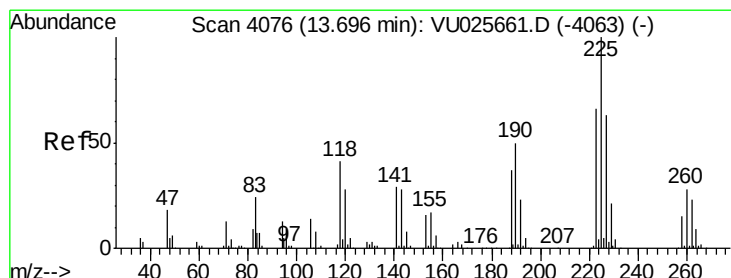
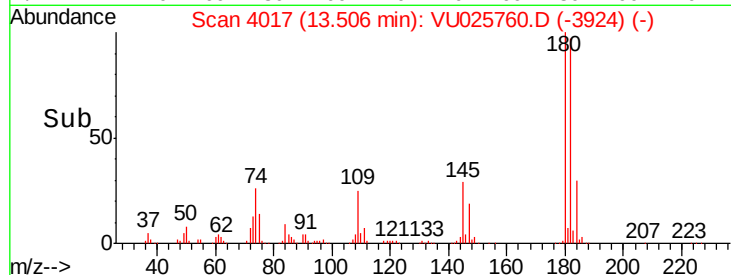
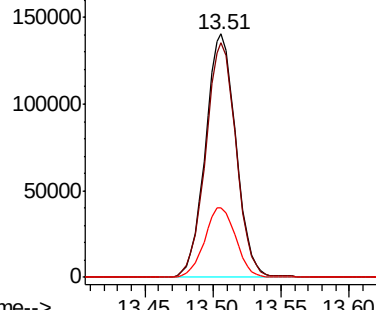
Tot Ion:	180	Resp:	217875
Ion Ratio	Lower	Upper	
180	100		
182	96.4	47.3	141.9
145	29.3	14.9	44.7

Manual Integrations
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 8/2/2018 9:41:15 AM

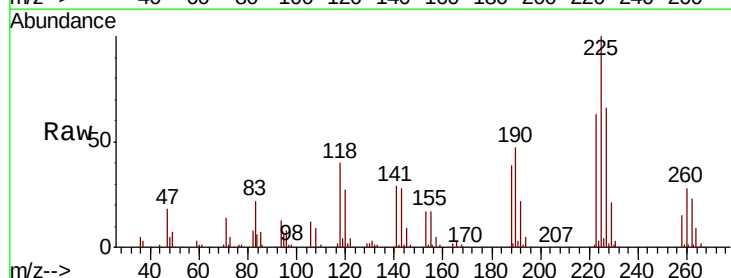


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

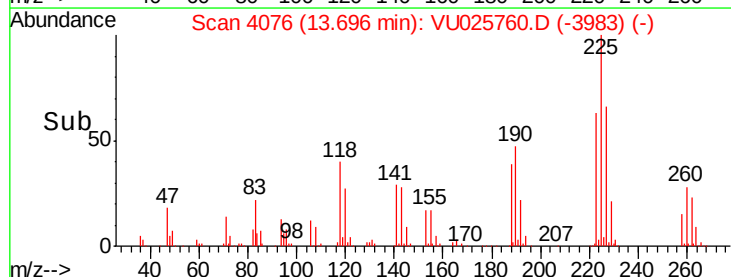
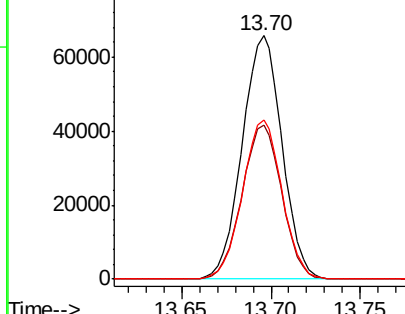


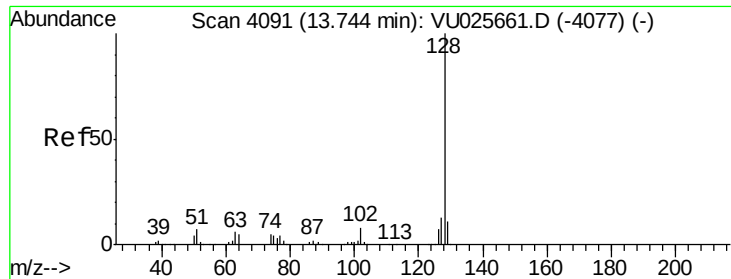
#94
 Hexachlorobutadiene
 Concen: 49.567 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025760.D
 Acq: 01 Aug 2018 08:09

Tgt Ion:	225	Resp:	102851
Ion Ratio	Lower	Upper	
225	100		
223	63.0	31.9	95.7
227	64.6	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





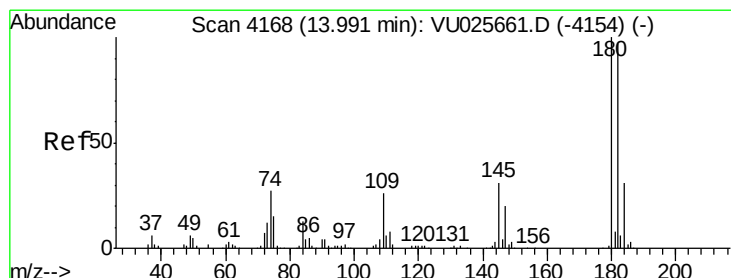
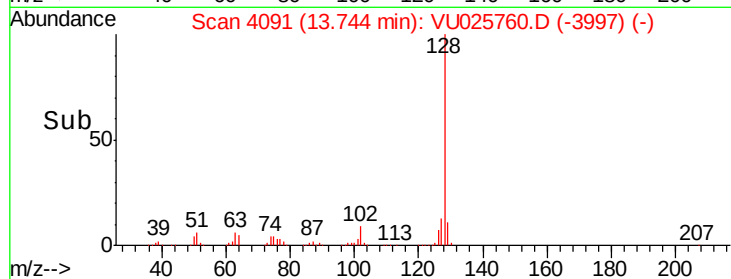
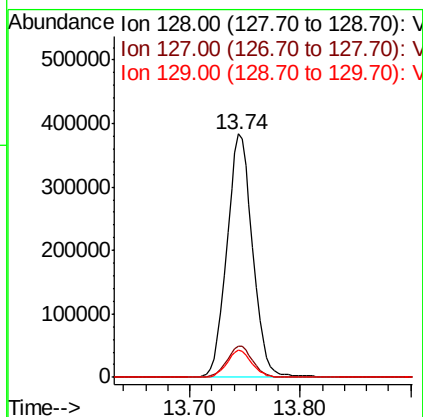
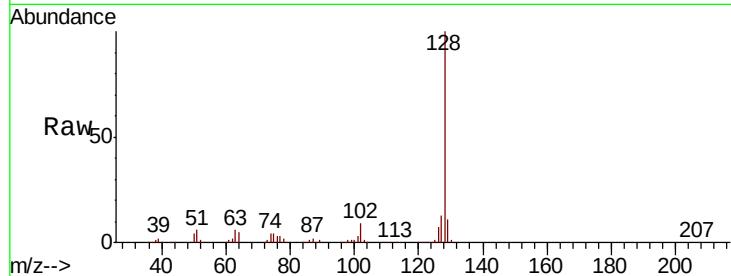
#95
Naphthalene
Concen: 49.014 ug/l
RT: 13.74 min Scan# 4091
Delta R.T. 0.00 min
Lab File: VU025760.D
Acq: 01 Aug 2018 08:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.5	15.7
129	10.8	8.3	12.5

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 54.126 ug/l
RT: 13.99 min Scan# 4167
Delta R.T. -0.00 min
Lab File: VU025760.D
Acq: 01 Aug 2018 08:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.8	143.3
145	31.6	15.6	46.8

