

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100818\
 Data File : VN051723.D
 Acq On : 8 Oct 2018 10:02
 Operator : MD\SY
 Sample : VN1008WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/10/2018 11:48:37 AM

Quant Time: Oct 09 04:21:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 05 02:22:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	553243	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	844726	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	768878	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	387975	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	363969	49.80	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.60%		
35) Dibromofluoromethane	7.59	113	320627	49.09	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.18%		
50) Toluene-d8	10.09	98	1198152	49.18	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.36%		
62) 4-Bromofluorobenzene	12.40	95	377521	43.77	ug/l	0.00
Spiked Amount 50.000			Recovery =	87.54%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	149094	22.202	ug/l	99
3) Chloromethane	2.06	50	139945	22.165	ug/l	97
4) Vinyl Chloride	2.18	62	210610	21.176	ug/l	99
5) Bromomethane	2.57	94	158716	20.751	ug/l	98
6) Chloroethane	2.70	64	139701	20.900	ug/l	96
7) Trichlorofluoromethane	3.01	101	234867	21.924	ug/l	98
8) Diethyl Ether	3.41	74	62773	21.659	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	120723	21.839	ug/l	99
10) Methyl Iodide	3.95	142	130405	19.346	ug/l	99
11) Tert butyl alcohol	4.79	59	53746	108.206	ug/l	97
12) 1,1-Dichloroethene	3.73	96	111338	21.610	ug/l	96
13) Acrolein	3.61	56	30480	98.223	ug/l	95
14) Allyl chloride	4.32	41	160355	20.406	ug/l	99
15) Acrylonitrile	5.00	53	176251	102.829	ug/l	98
16) Acetone	3.82	43	138523	102.016	ug/l	99
17) Carbon Disulfide	4.05	76	303862	19.403	ug/l	100
18) Methyl Acetate	4.33	43	94093	23.325	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	349013	20.523	ug/l	98
20) Methylene Chloride	4.55	84	123450	20.530	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	120559	19.747	ug/l	95
22) Diisopropyl ether	5.96	45	335715	19.930	ug/l	98
23) Vinyl Acetate	5.90	43	1240115	100.126	ug/l	100
24) 1,1-Dichloroethane	5.85	63	219545	20.266	ug/l	98
25) 2-Butanone	6.84	43	219242	103.884	ug/l	100
26) 2,2-Dichloropropane	6.83	77	210597	19.399	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	143400	20.233	ug/l	97
28) Bromochloromethane	7.20	49	94640	19.733	ug/l	99
29) Tetrahydrofuran	7.22	42	140845	108.751	ug/l	99
30) Chloroform	7.37	83	240421	19.752	ug/l	90
31) Cyclohexane	7.65	56	191552	19.307	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	232108	19.673	ug/l	100
36) 1,1-Dichloropropene	7.80	75	170979	19.365	ug/l	98
37) Ethyl Acetate	6.94	43	99320	21.568	ug/l	97
38) Carbon Tetrachloride	7.78	117	209210	19.746	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	213992	19.307	ug/l	99
40) Benzene	8.04	78	518943	19.826	ug/l	99
41) Methacrylonitrile	7.19	41	55746m	23.335	ug/l	
42) 1,2-Dichloroethane	8.13	62	176933	20.058	ug/l	100
43) Isopropyl Acetate	8.17	43	200765	20.911	ug/l	98
44) Trichloroethene	8.84	130	149241	20.081	ug/l	99
45) 1,2-Dichloropropane	9.12	63	127801	19.748	ug/l	99
46) Dibromomethane	9.21	93	91006	20.232	ug/l	99
47) Bromodichloromethane	9.40	83	193024	19.493	ug/l	99
48) Methyl methacrylate	9.20	41	88523	20.178	ug/l	98
49) 1,4-Dioxane	9.20	88	27599	419.538	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	529124	108.758	ug/l	98
52) Toluene	10.16	92	338588	19.449	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	194591	19.045	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	209204	19.281	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	125360	20.214	ug/l	99
56) Ethyl methacrylate	10.43	69	154511	19.701	ug/l	96
57) 1,3-Dichloropropane	10.71	76	198642	20.238	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	313618	96.622	ug/l	98
59) 2-Hexanone	10.75	43	343865	104.073	ug/l	97
60) Dibromochloromethane	10.90	129	156410	19.272	ug/l	100
61) 1,2-Dibromoethane	11.01	107	126729	19.330	ug/l	97
64) Tetrachloroethene	10.63	164	138215	20.375	ug/l	98
65) Chlorobenzene	11.44	112	375477	19.718	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	148641	19.495	ug/l	97
67) Ethyl Benzene	11.51	91	652668	19.830	ug/l	100
68) m/p-Xylenes	11.62	106	512764	38.936	ug/l	99
69) o-Xylene	11.95	106	255512	19.784	ug/l	99
70) Styrene	11.97	104	392401	19.067	ug/l	99
71) Bromoform	12.13	173	106324	18.748	ug/l #	99
73) Isopropylbenzene	12.25	105	668690	20.219	ug/l	100
74) N-amyl acetate	12.07	43	154851	20.733	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	150066	21.171	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	142295m	27.686	ug/l	
77) Bromobenzene	12.53	156	159640	19.741	ug/l	99
78) n-propylbenzene	12.59	91	725540	20.113	ug/l	99
79) 2-Chlorotoluene	12.67	91	425463	20.013	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	558923	20.054	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	39102	18.526	ug/l	92
82) 4-Chlorotoluene	12.77	91	413140	19.345	ug/l	99
83) tert-Butylbenzene	12.99	119	509403	20.397	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	569244	20.390	ug/l	100
85) sec-Butylbenzene	13.17	105	677196	20.499	ug/l	99
86) p-Isopropyltoluene	13.29	119	587363	20.056	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	278795	19.785	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	268062	19.327	ug/l	99
89) n-Butylbenzene	13.62	91	454325	19.621	ug/l	99
90) Hexachloroethane	13.88	117	116000	19.853	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	278627	19.891	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	23744	20.437	ug/l	98

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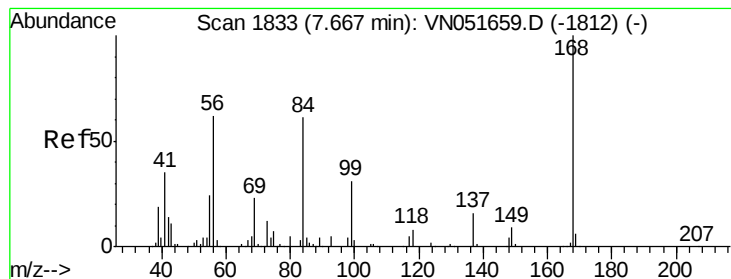
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	112986	18.126	ug/l	99
94) Hexachlorobutadiene	15.01	225	84985	20.095	ug/l	99
95) Naphthalene	15.13	128	241255	17.923	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	117663	19.167	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

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MSVOA_N

ClientSampleId :

VN1008WBS01

Tot Ion:168 Resp: 553243

Ion Ratio Lower Upper

168 100

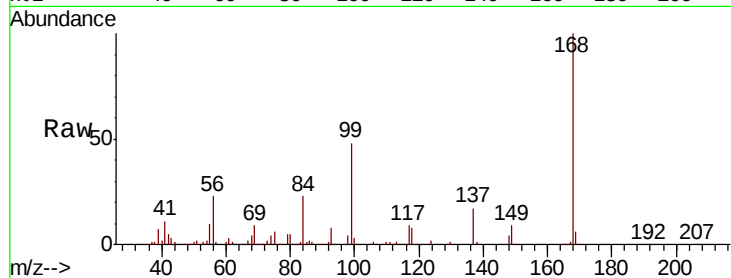
99 48.0 40.4 60.6

Manual Integrations

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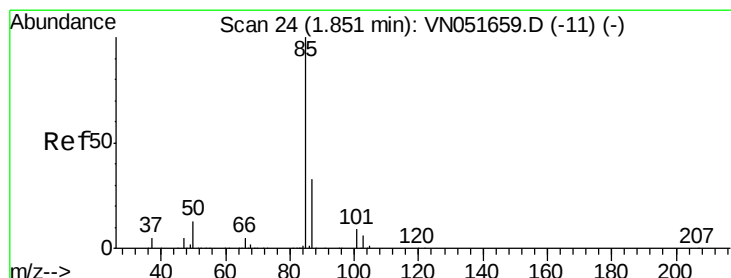
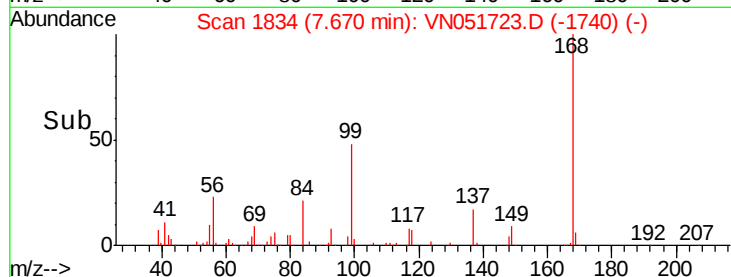
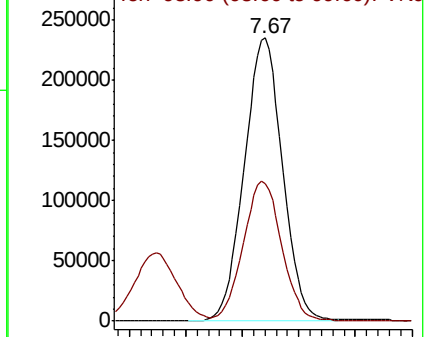
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 22.202 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051723.D

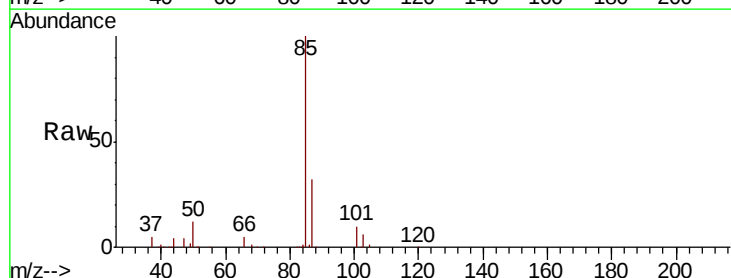
Acq: 8 Oct 2018 10:02

Tgt Ion: 85 Resp: 149094

Ion Ratio Lower Upper

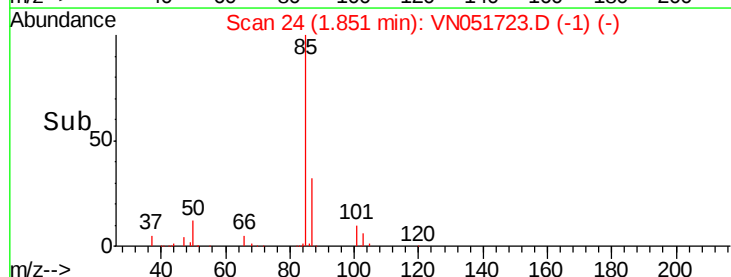
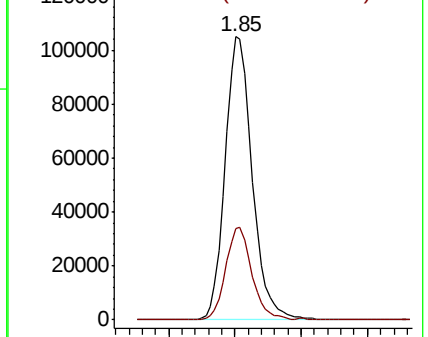
85 100

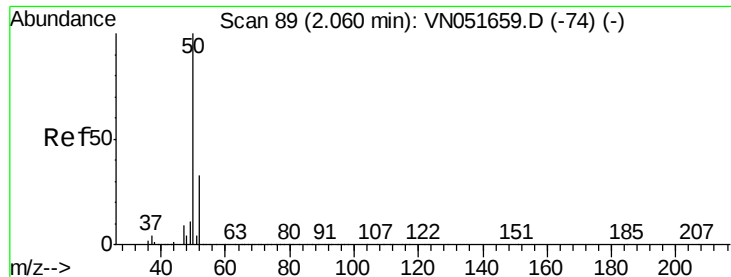
87 32.3 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 22.165 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBS01

Tot Ion: 50 Resp: 139945

Ion Ratio Lower Upper

50 100

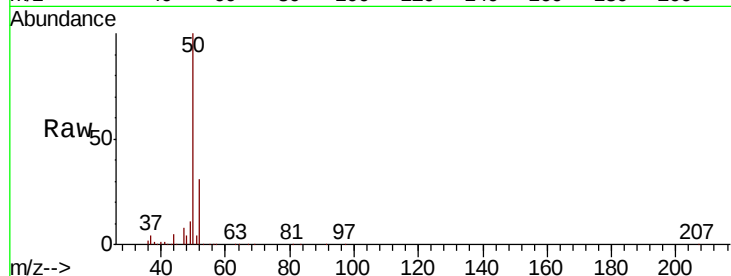
52 31.4 26.6 39.8

Manual Integrations

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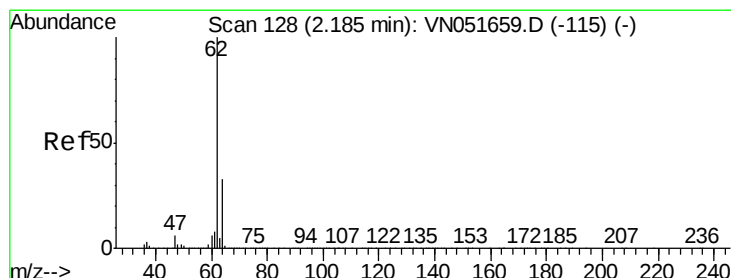
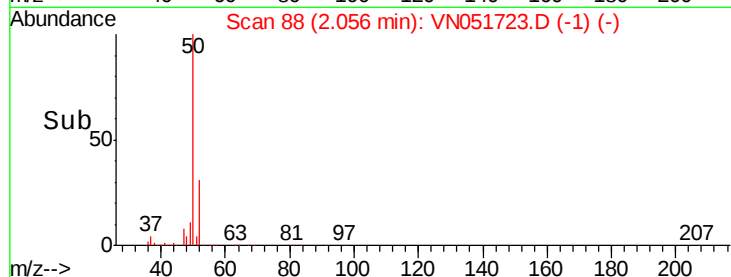
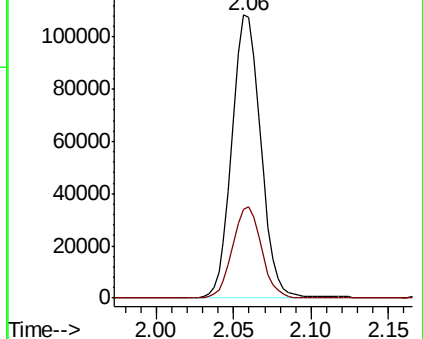
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Abundance Ion 49.90 (49.60 to 50.60): VN051659.D (-74) (-)

Ion 51.90 (51.60 to 52.60): VN051723.D (-1) (-)



#4

Vinyl Chloride

Concen: 21.176 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051723.D

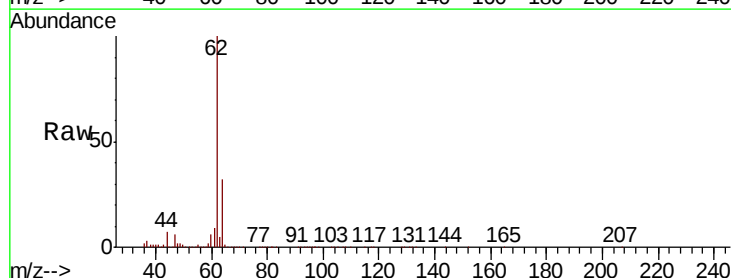
Acq: 8 Oct 2018 10:02

Tgt Ion: 62 Resp: 210610

Ion Ratio Lower Upper

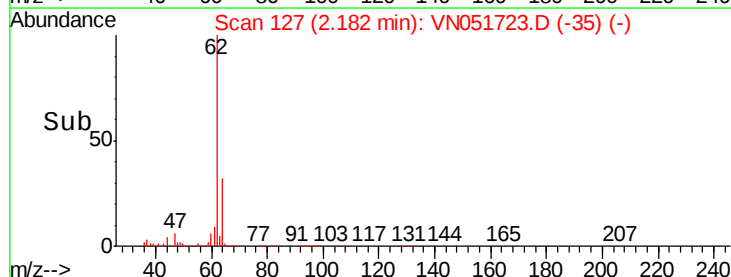
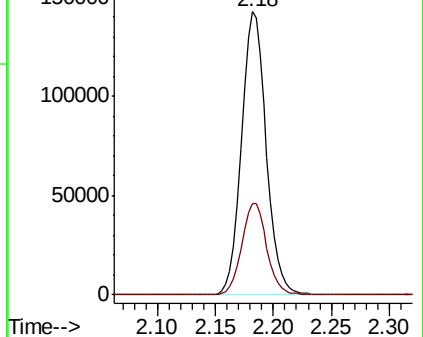
62 100

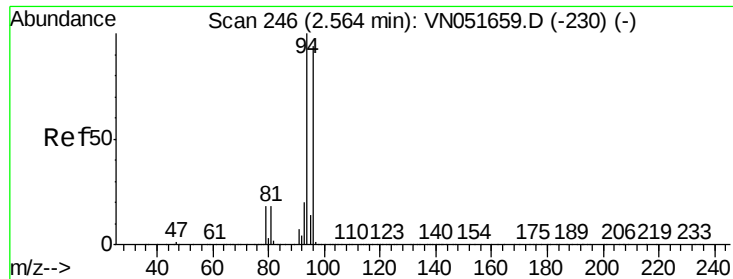
64 32.4 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VN051659.D (-115) (-)

Ion 63.90 (63.60 to 64.60): VN051723.D (-35) (-)





#5

Bromomethane

Concen: 20.751 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

Instrument :

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ClientSampleId :

VN1008WBS01

Tot Ion: 94 Resp: 158716

Ion Ratio Lower Upper

94 100

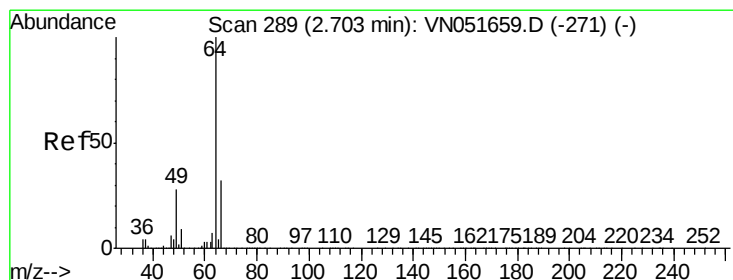
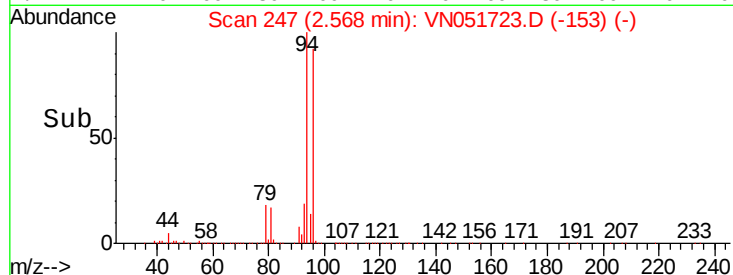
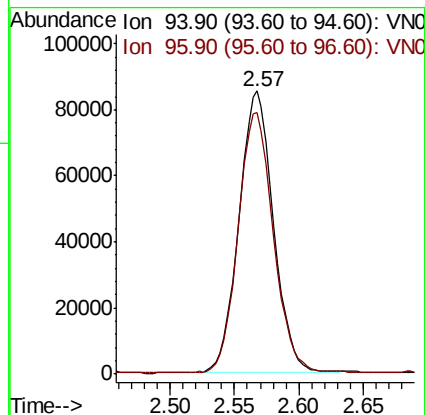
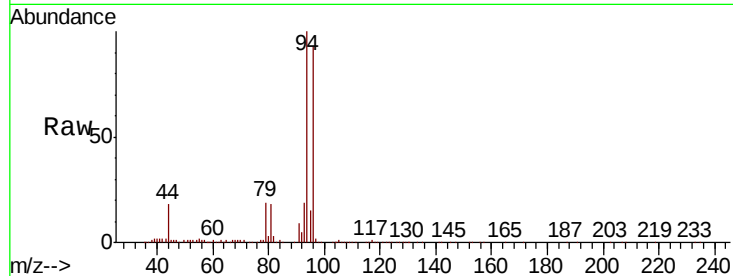
96 92.4 75.2 112.8

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#6

Chloroethane

Concen: 20.900 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051723.D

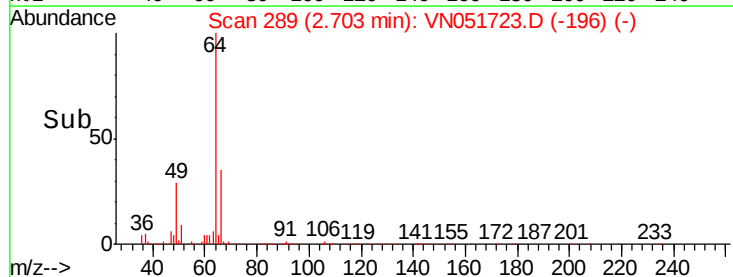
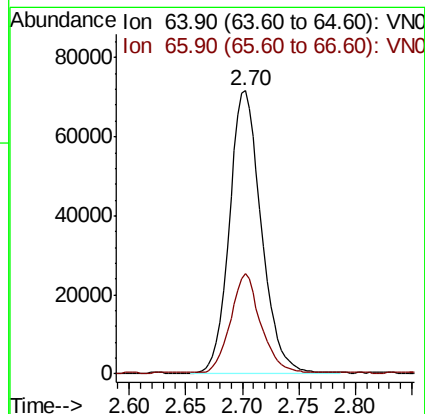
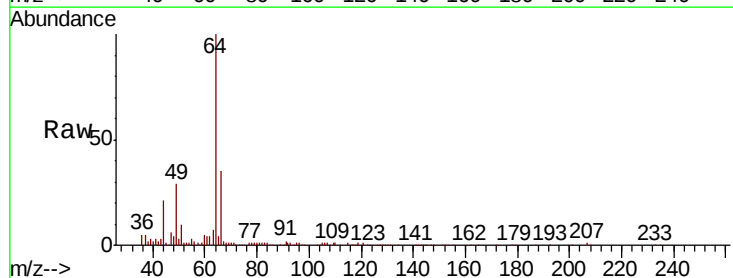
Acq: 8 Oct 2018 10:02

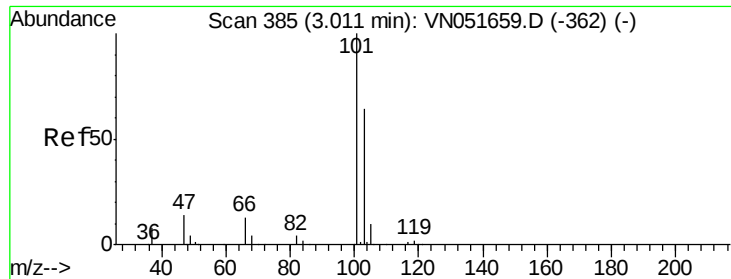
Tgt Ion: 64 Resp: 139701

Ion Ratio Lower Upper

64 100

66 34.9 26.0 39.0





#7

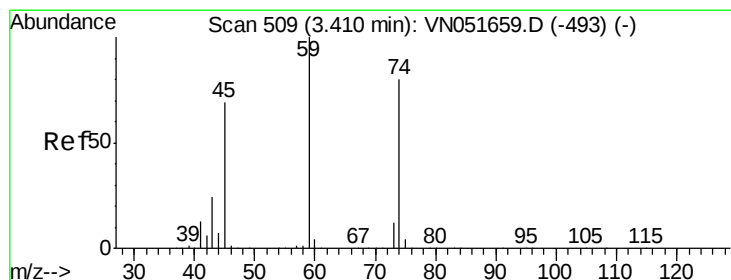
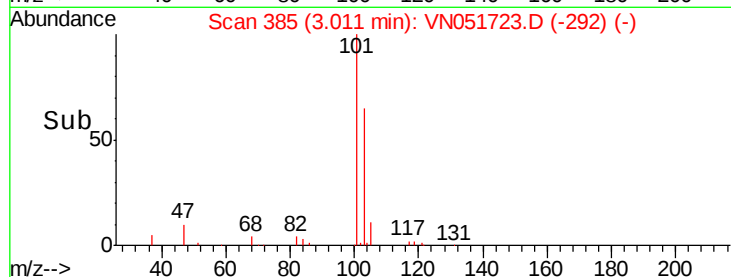
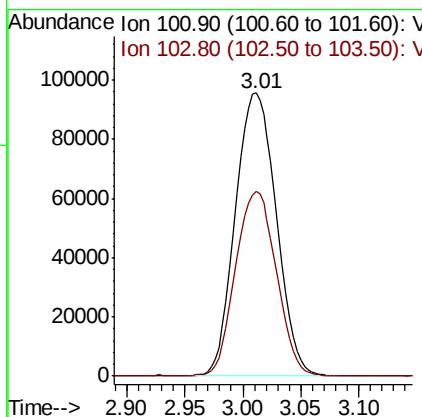
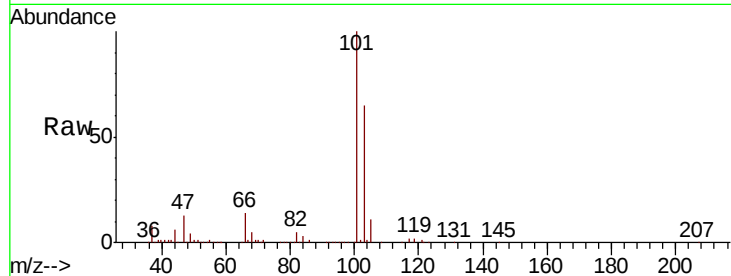
Trichlorofluoromethane
 Concen: 21.924 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. 0.00 min
 Lab File: VN051723.D
 Acq: 8 Oct 2018 10:02

Instrument :
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 VN1008WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	51.1	76.7

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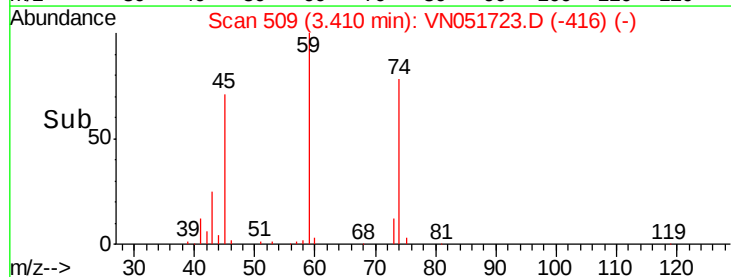
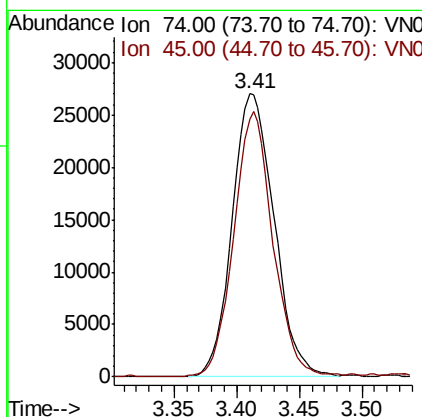
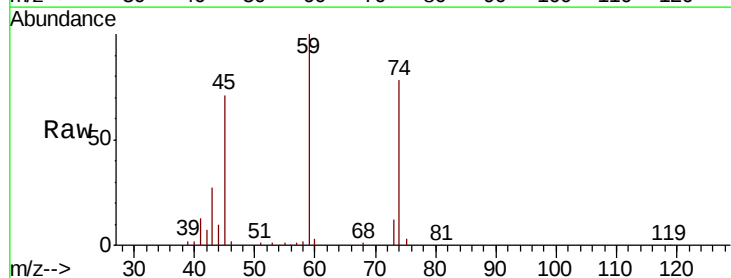
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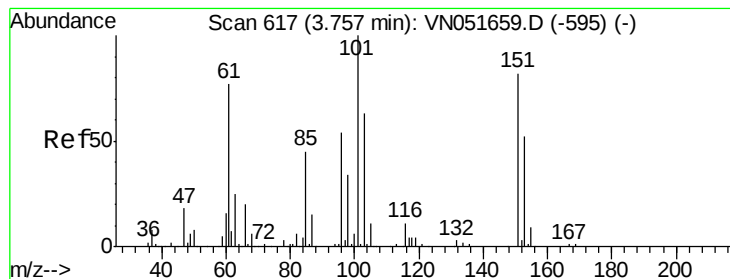


#8

Diethyl Ether
 Concen: 21.659 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN051723.D
 Acq: 8 Oct 2018 10:02

Tgt Ion	Ratio	Lower	Upper
74	100		
45	87.6	44.3	132.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.839 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

Instrument :

MSVOA_N

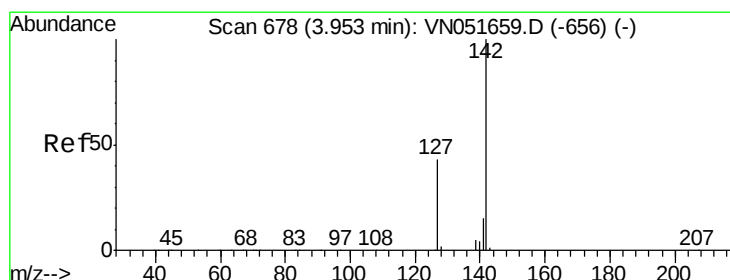
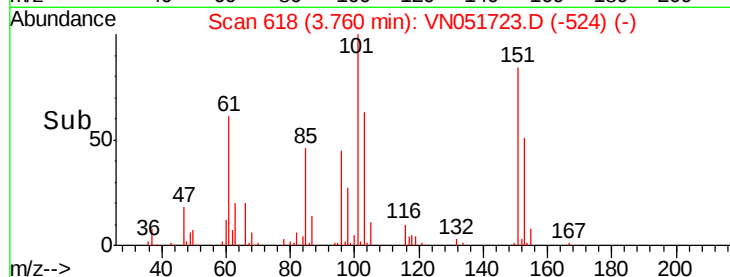
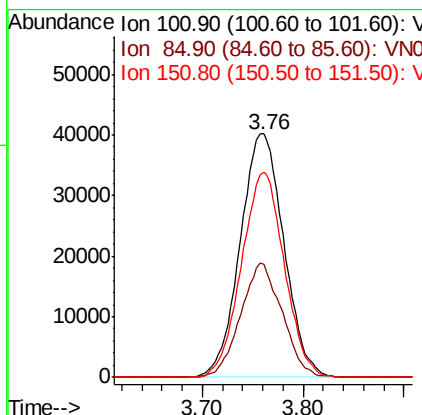
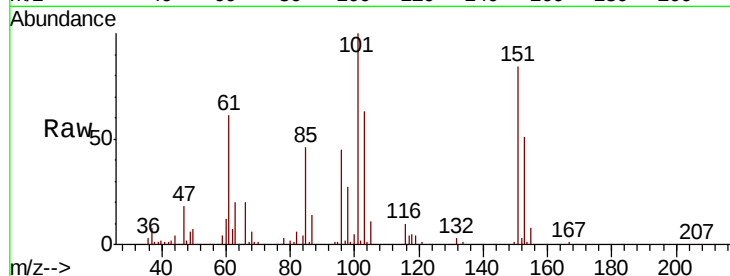
ClientSampleId :

VN1008WBS01

Tot Ion:	101	Resp:	120723
Ion Ratio	Lower	Upper	
101	100		
85	44.6	35.6	53.4
151	82.5	65.5	98.3

Manual Integrations
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#10

Methyl Iodide

Concen: 19.346 ug/l

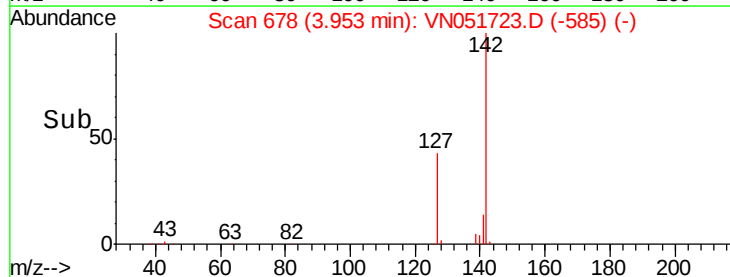
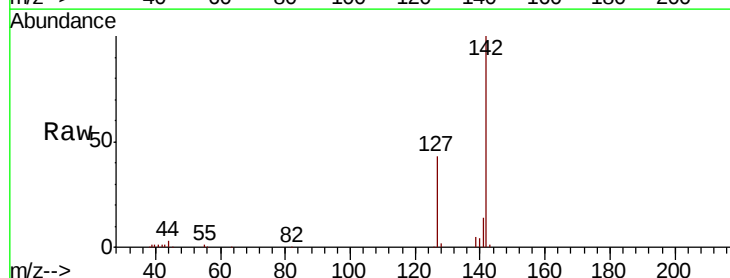
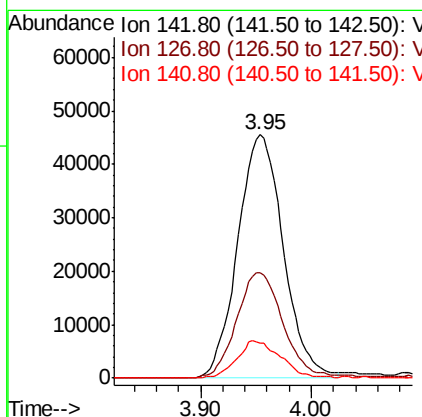
RT: 3.95 min Scan# 678

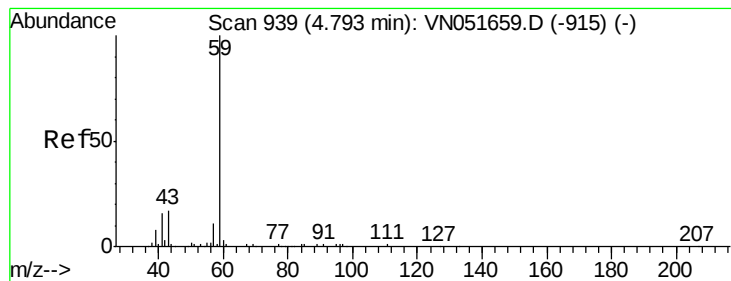
Delta R.T. 0.00 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

Tgt Ion:	142	Resp:	130405
Ion Ratio	Lower	Upper	
142	100		
127	44.0	34.7	52.1
141	14.8	11.4	17.2





#11

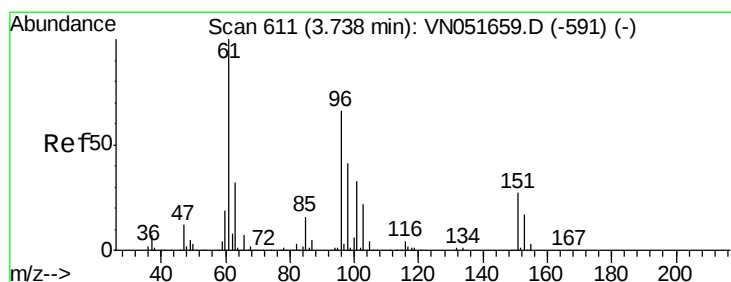
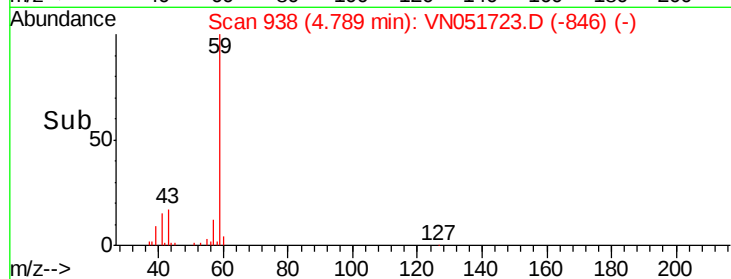
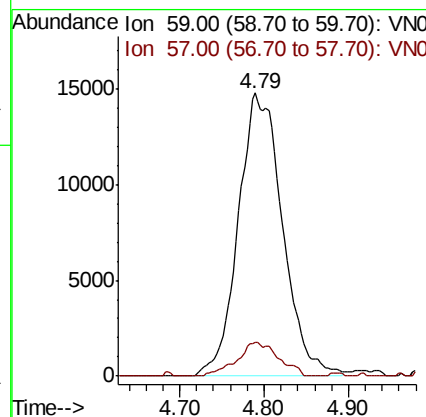
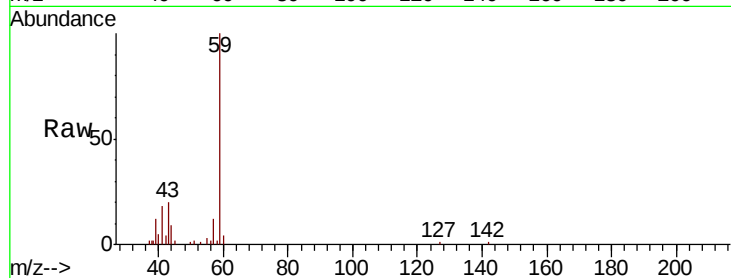
Tert butyl alcohol
 Concen: 108.206 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. -0.00 min
 Lab File: VN051723.D
 Acq: 8 Oct 2018 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBS01

Tot Ion	59	Resp	53746
Ion Ratio	100	Lower	Upper
57	11.3	8.1	12.1

Manual Integrations
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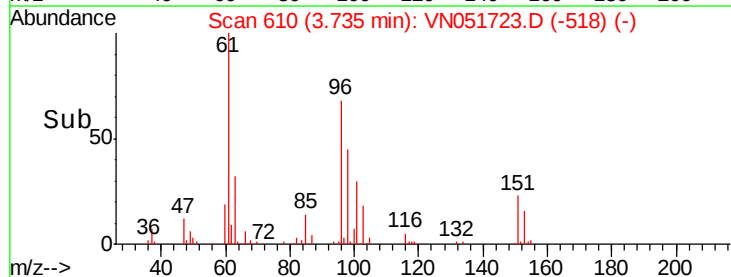
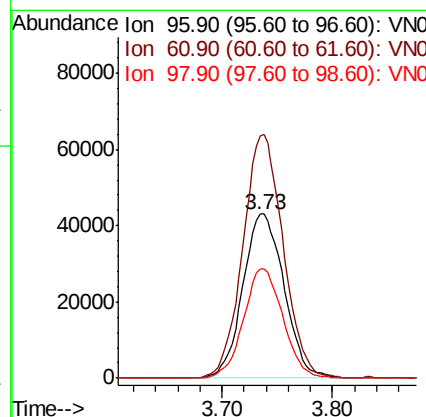
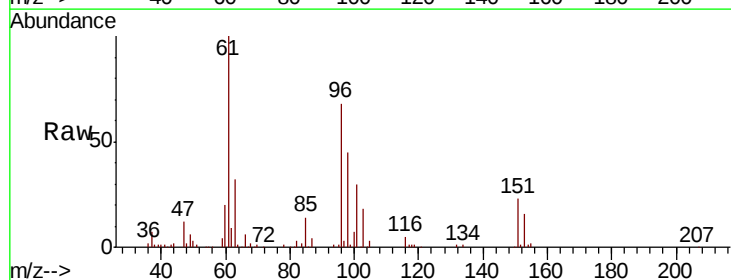
MMDadoda
 10/10/2018 11:48:37 AM

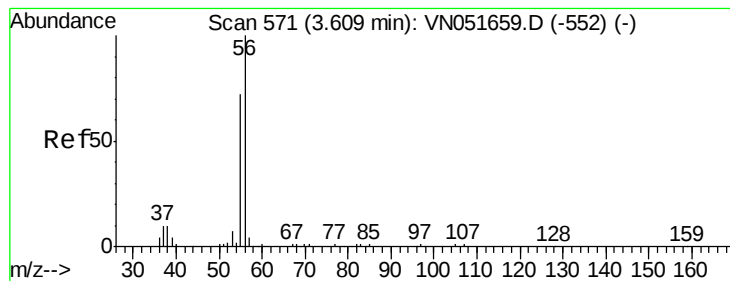


#12

1,1-Dichloroethene
 Concen: 21.610 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN051723.D
 Acq: 8 Oct 2018 10:02

Tgt Ion	96	Resp	111338
Ion Ratio	100	Lower	Upper
61	147.9	121.4	182.0
98	66.6	49.9	74.9





#13

Acrolein

Concen: 98.223 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBS01

Tot Ion: 56 Resp: 30480

Ion Ratio Lower Upper

56 100

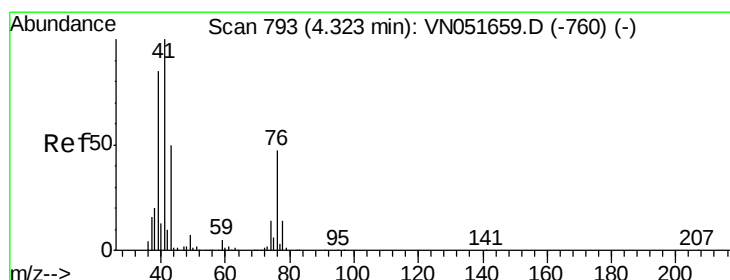
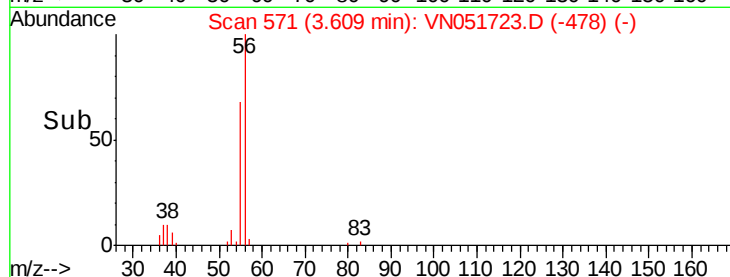
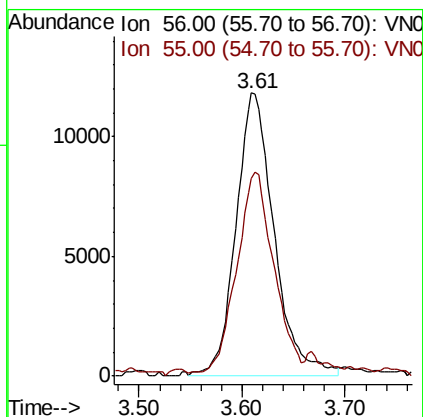
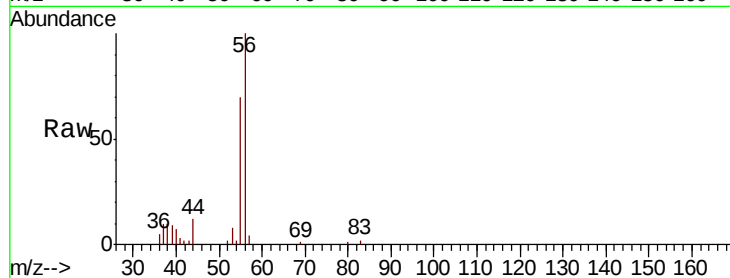
55 68.1 57.5 86.3

Manual Integrations

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MMDadoda

10/10/2018 11:48:37 AM



#14

Allyl chloride

Concen: 20.406 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

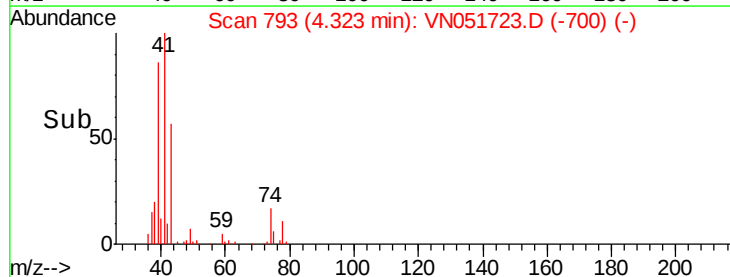
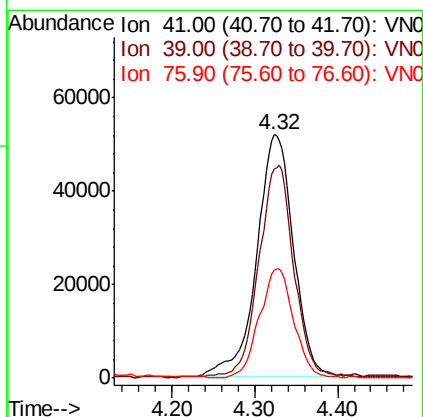
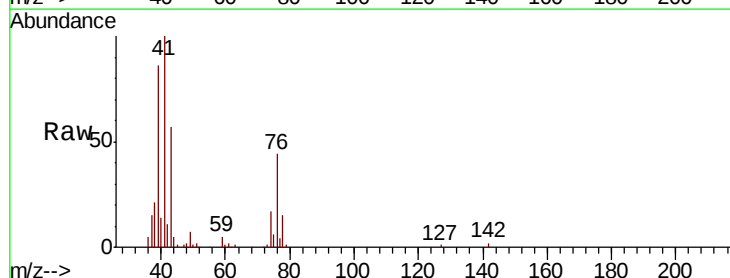
Tgt Ion: 41 Resp: 160355

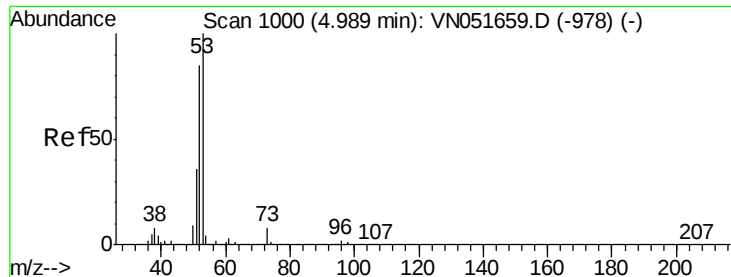
Ion Ratio Lower Upper

41 100

39 82.2 65.4 98.0

76 42.3 34.3 51.5





#15

Acrylonitrile

Concen: 102.829 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

Instrument :

MSVOA_N

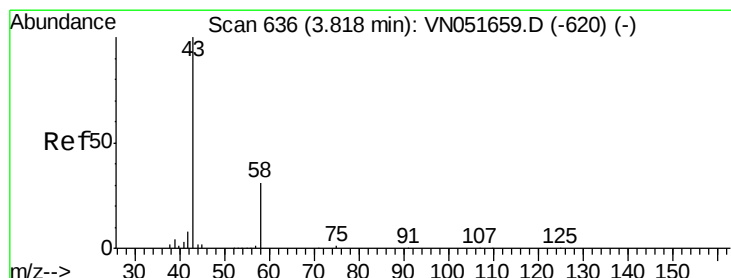
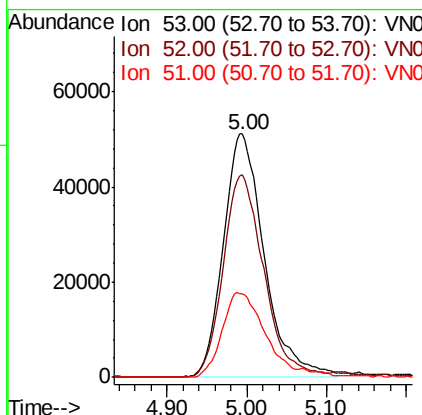
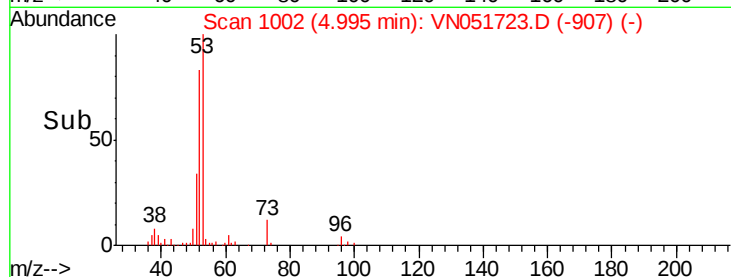
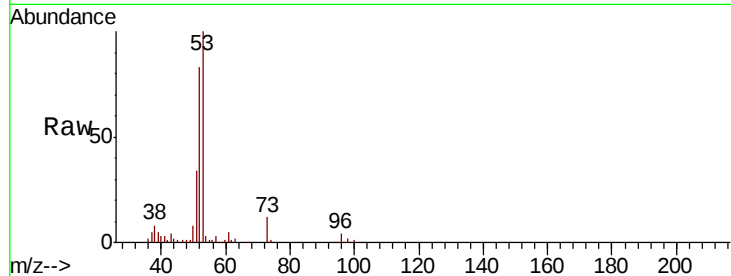
ClientSampleId :

VN1008WBS01

Tot Ion:	53	Resp:	176251
Ion Ratio		Lower	Upper
53	100		
52	83.7	66.2	99.2
51	36.3	30.3	45.5

Manual Integrations
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#16

Acetone

Concen: 102.016 ug/l

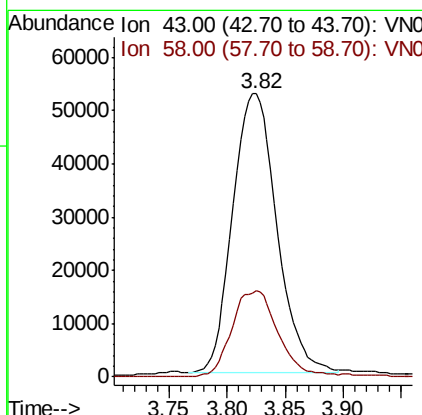
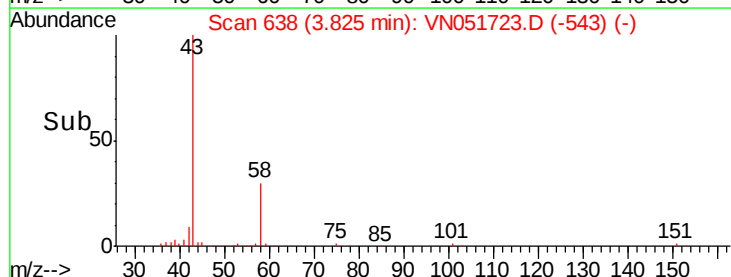
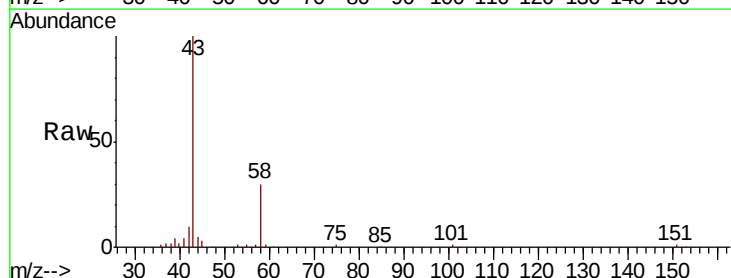
RT: 3.82 min Scan# 638

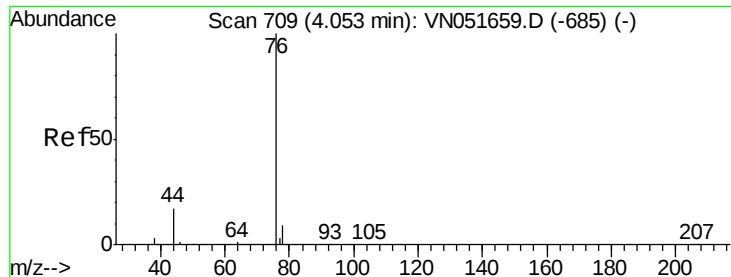
Delta R.T. 0.01 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

Tgt Ion:	43	Resp:	138523
Ion Ratio		Lower	Upper
43	100		
58	30.8	24.3	36.5





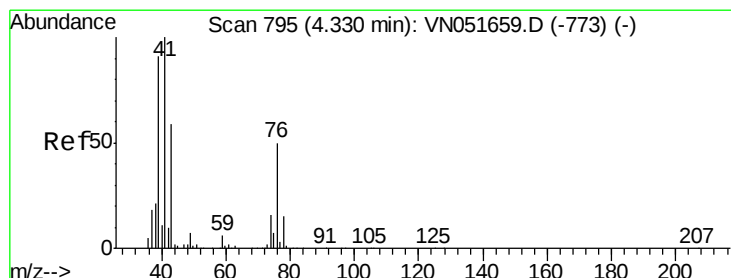
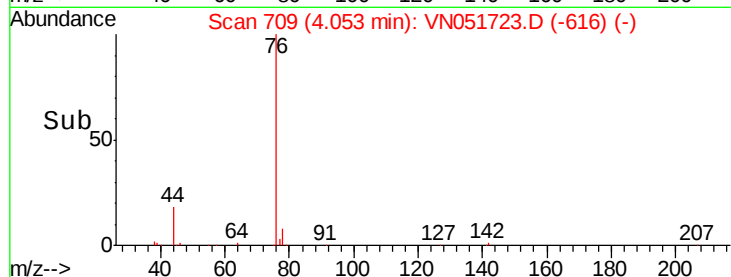
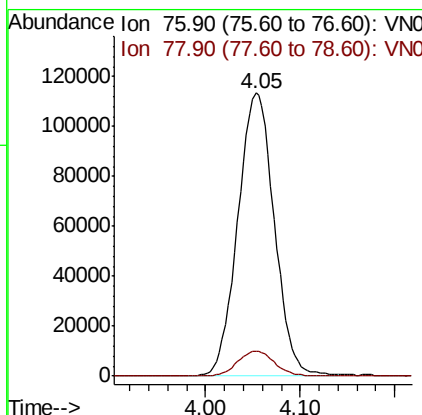
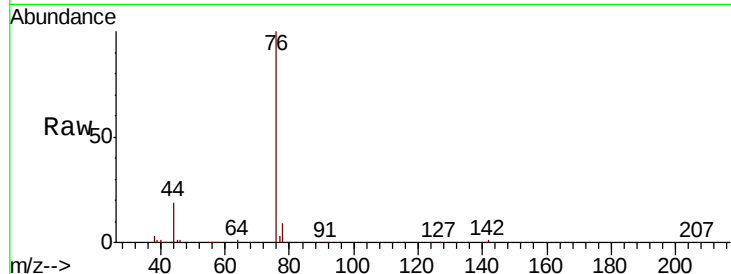
#17
Carbon Disulfide
Concen: 19.403 ug/l
RT: 4.05 min Scan# 709
Delta R.T. 0.00 min
Lab File: VN051723.D
Acq: 8 Oct 2018 10:02

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8

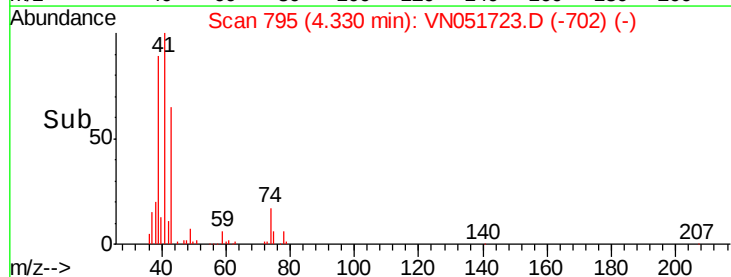
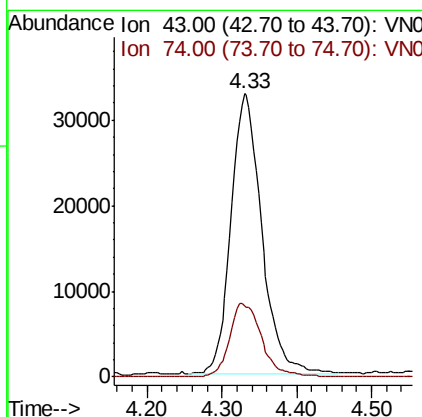
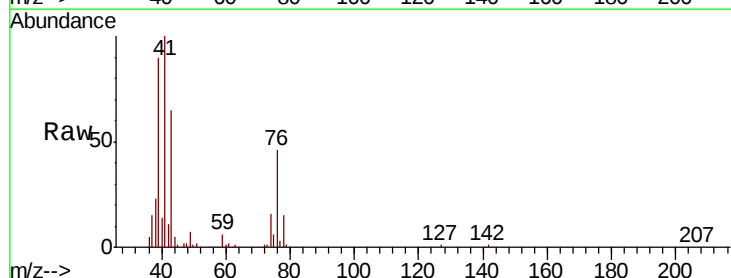
Manual Integrations
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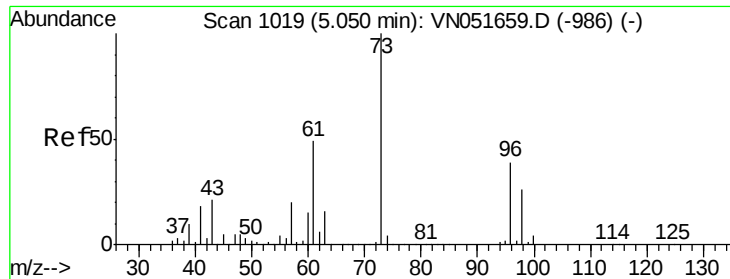
MMDadoda
10/10/2018 11:48:37 AM



#18
Methyl Acetate
Concen: 23.325 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051723.D
Acq: 8 Oct 2018 10:02

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.0	21.5	32.3





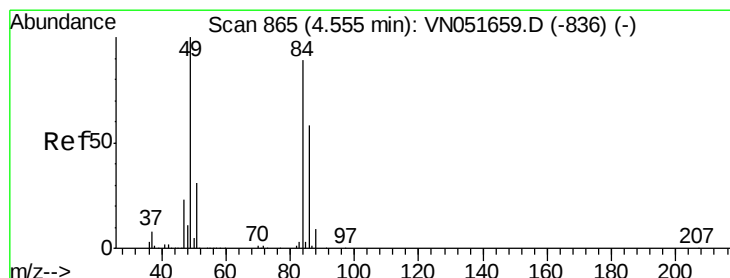
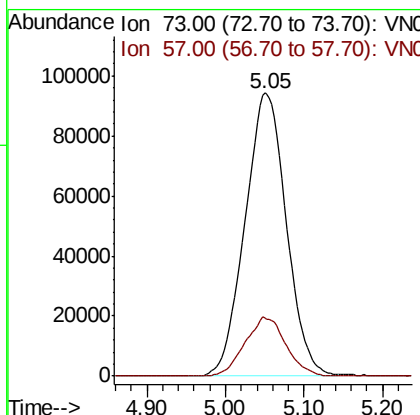
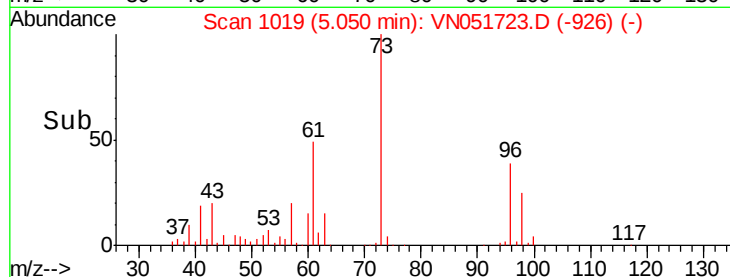
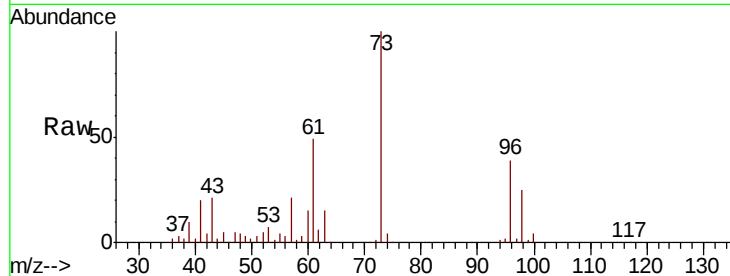
#19
Methyl tert-butyl Ether
Concen: 20.523 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN051723.D
Acq: 8 Oct 2018 10:02

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBS01

Tot Ion: 73 Resp: 349013
Ion Ratio Lower Upper
73 100
57 20.6 15.6 23.4

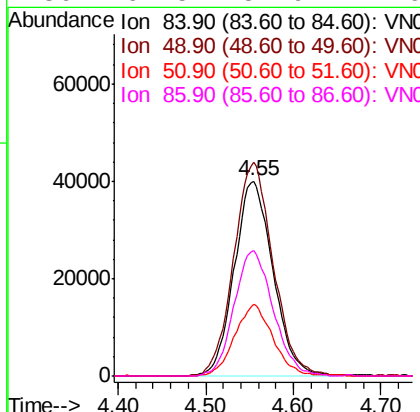
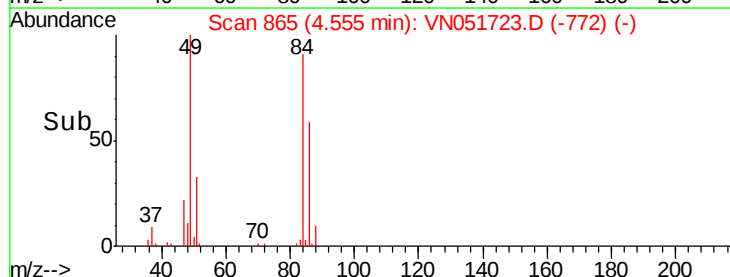
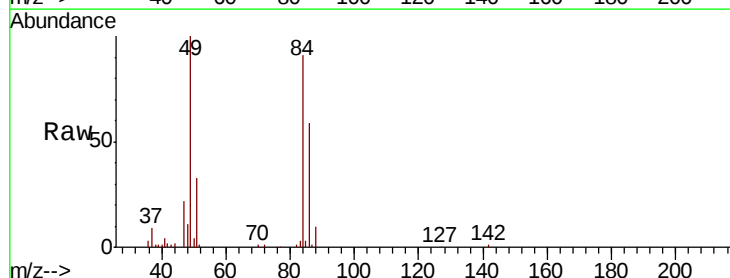
Manual Integrations
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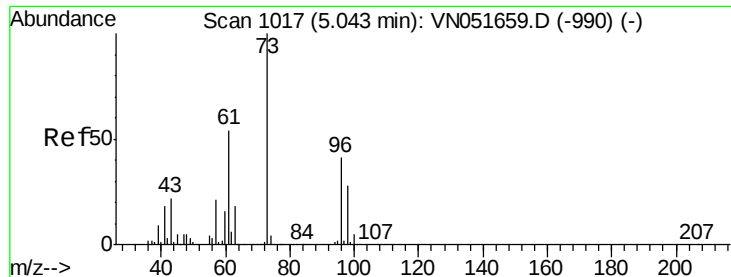
MMDadoda
10/10/2018 11:48:37 AM



#20
Methylene Chloride
Concen: 20.530 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051723.D
Acq: 8 Oct 2018 10:02

Tgt Ion: 84 Resp: 123450
Ion Ratio Lower Upper
84 100
49 109.6 89.5 134.3
51 36.5 27.4 41.0
86 64.5 51.9 77.9





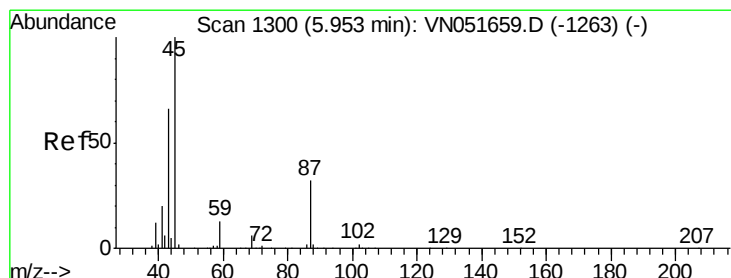
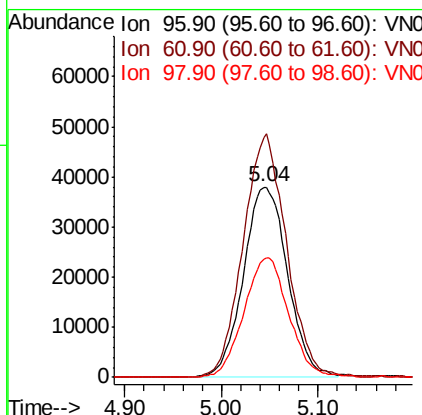
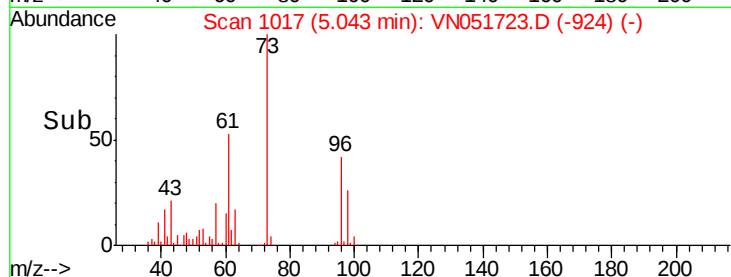
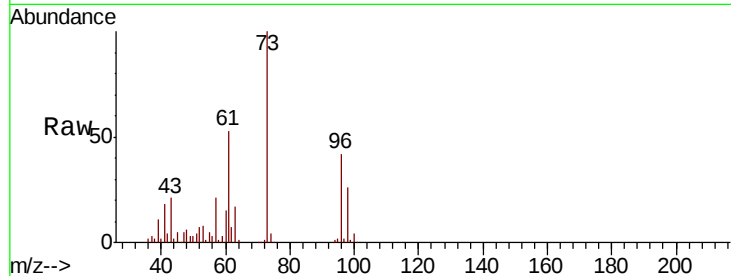
#21
trans-1,2-Dichloroethene
Concen: 19.747 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN051723.D
Acq: 8 Oct 2018 10:02

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	126.0	104.7	157.1
98	62.0	54.6	82.0

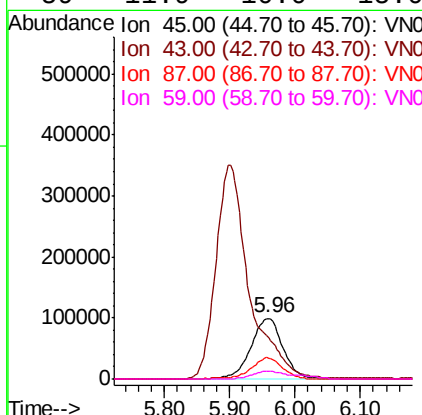
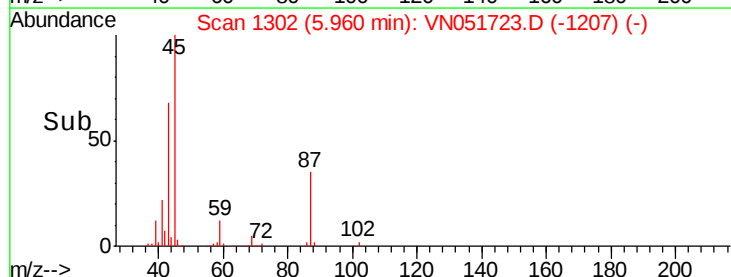
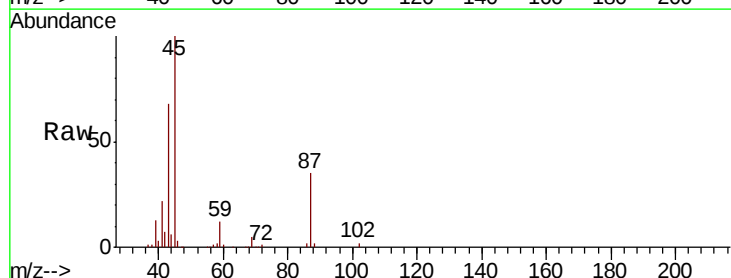
Manual Integrations
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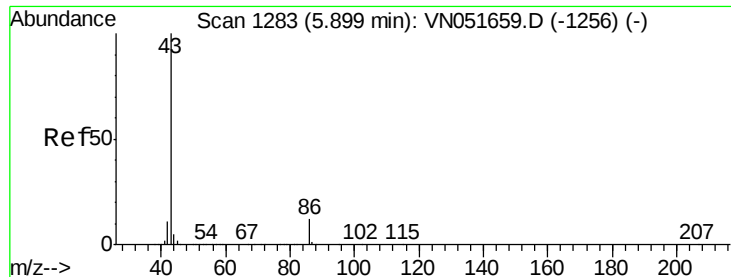
MMDadoda
10/10/2018 11:48:37 AM



#22
Diisopropyl ether
Concen: 19.930 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.01 min
Lab File: VN051723.D
Acq: 8 Oct 2018 10:02

Tgt Ion	Ratio	Lower	Upper
45	100		
43	67.0	53.0	79.4
87	35.0	26.4	39.6
59	11.9	10.0	15.0





#23

Vinyl Acetate

Concen: 100.126 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBS01

Tot Ion: 43 Resp: 1240115

Ion Ratio Lower Upper

43 100

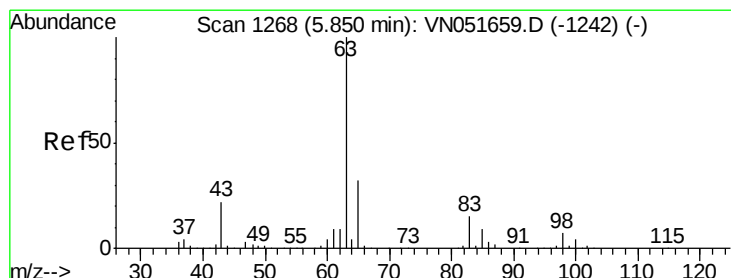
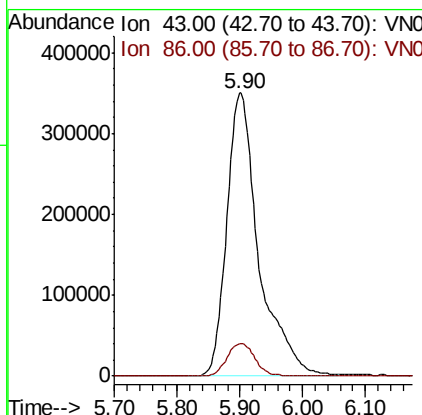
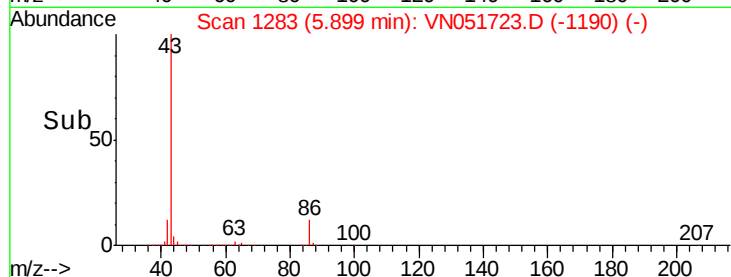
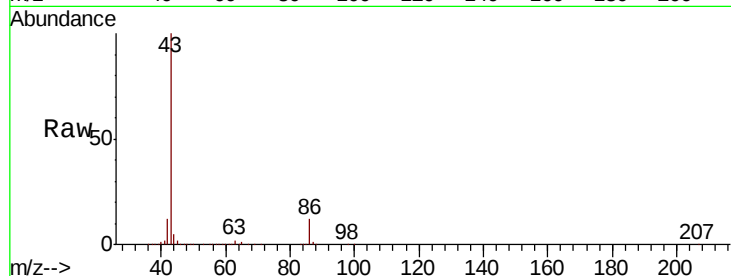
86 11.5 9.3 13.9

Manual Integrations

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MMDadoda

10/10/2018 11:48:37 AM



#24

1,1-Dichloroethane

Concen: 20.266 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

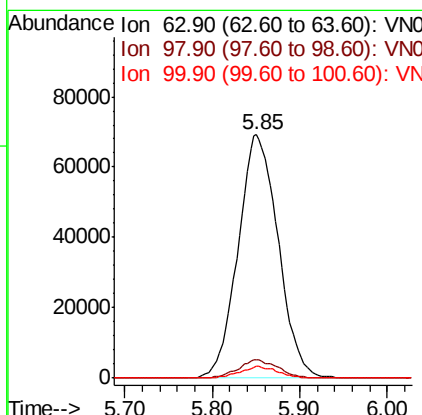
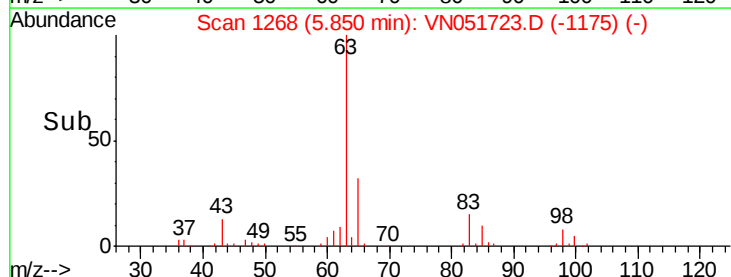
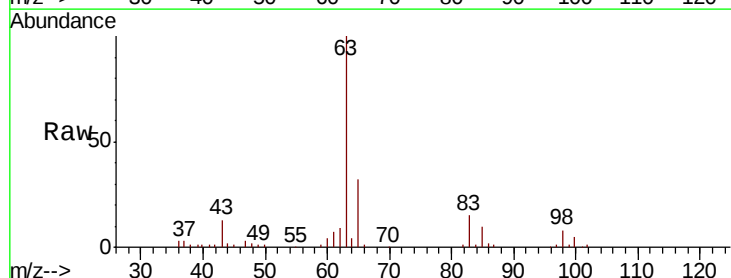
Tgt Ion: 63 Resp: 219545

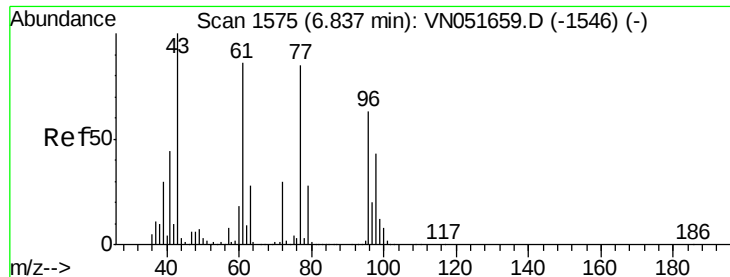
Ion Ratio Lower Upper

63 100

98 7.6 3.3 9.9

100 4.8 2.2 6.6





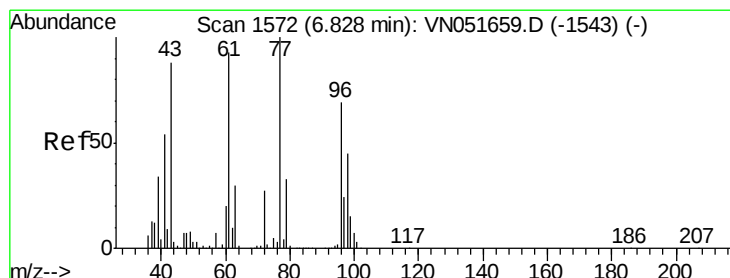
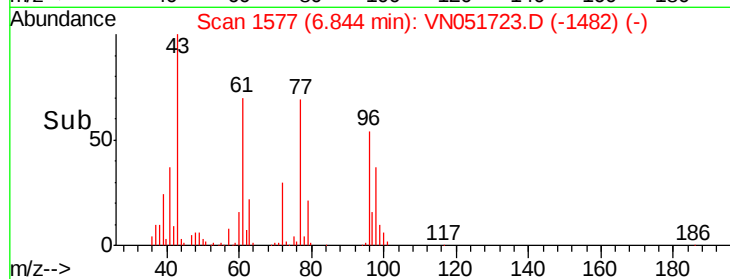
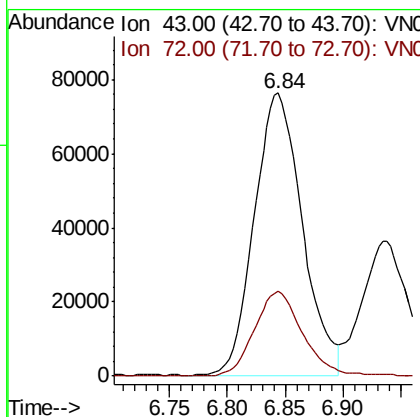
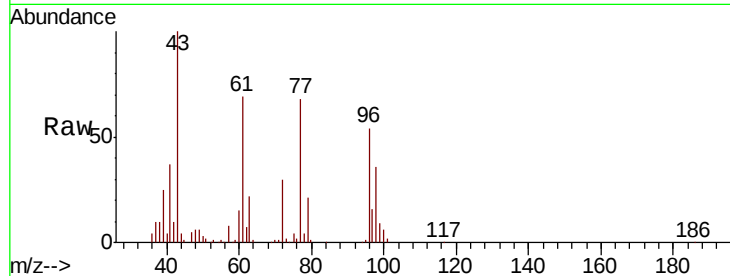
#25
2-Butanone
Concen: 103.884 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VN051723.D
Acq: 8 Oct 2018 10:02

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBS01

Tot Ion: 43 Resp: 219242
Ion Ratio Lower Upper
43 100
72 30.0 24.2 36.2

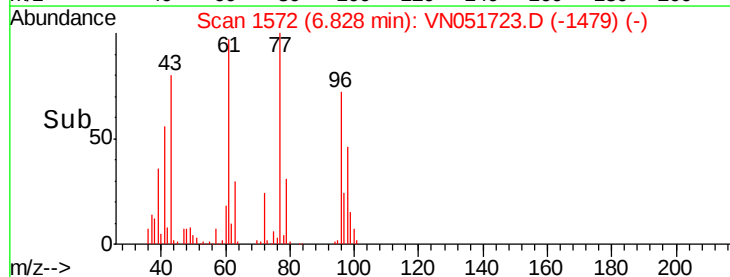
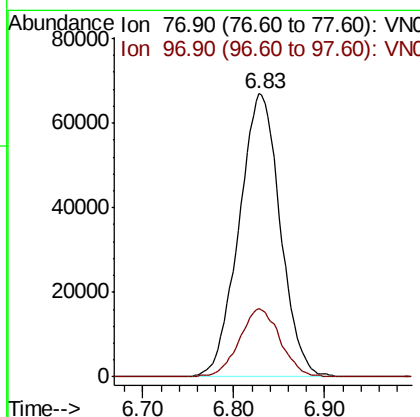
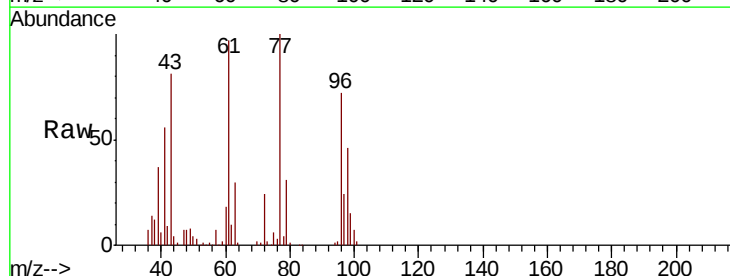
Manual Integrations
APPROVED

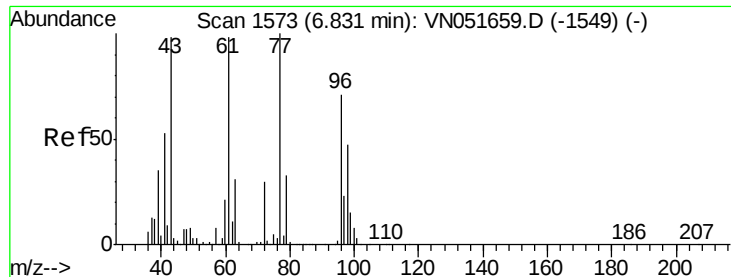
MMDadoda
10/10/2018 11:48:37 AM



#26
2,2-Dichloropropane
Concen: 19.399 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN051723.D
Acq: 8 Oct 2018 10:02

Tgt Ion: 77 Resp: 210597
Ion Ratio Lower Upper
77 100
97 23.8 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 20.233 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

Instrument :

MSVOA_N

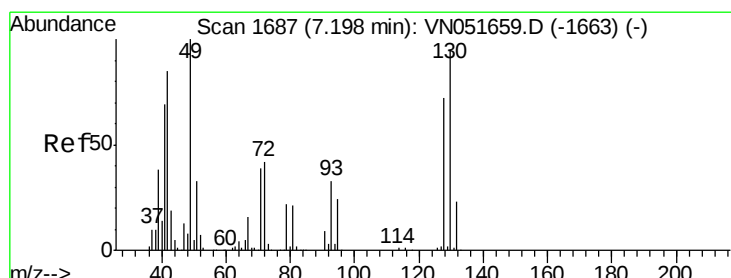
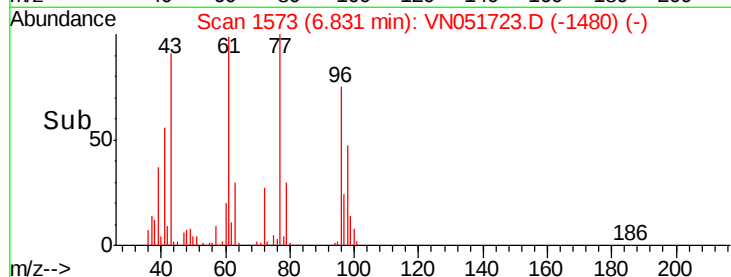
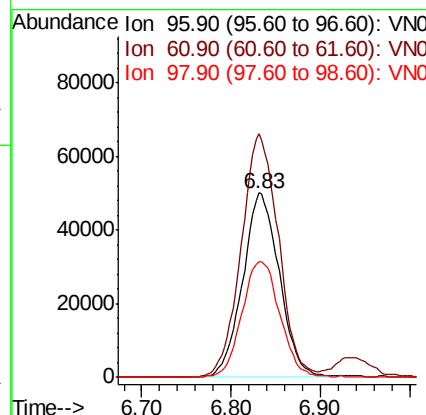
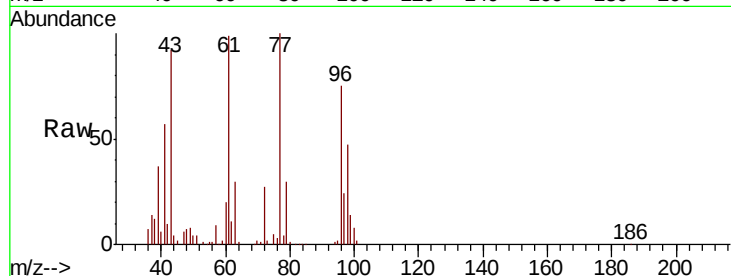
ClientSampleId :

VN1008WBS01

Tot Ion:	96	Resp:	143400
Ion	Ratio	Lower	Upper
96	100		
61	133.3	0.0	275.4
98	64.9	0.0	129.6

Manual Integrations
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10/10/2018 11:48:37 AM



#28

Bromochloromethane

Concen: 19.733 ug/l

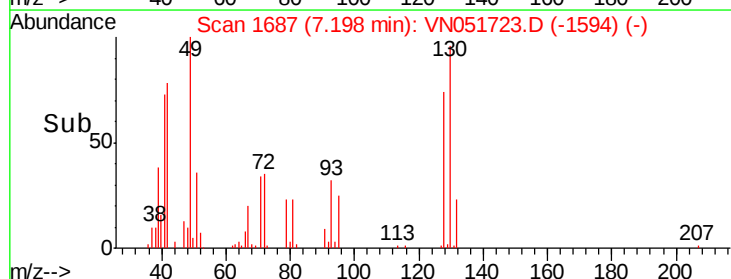
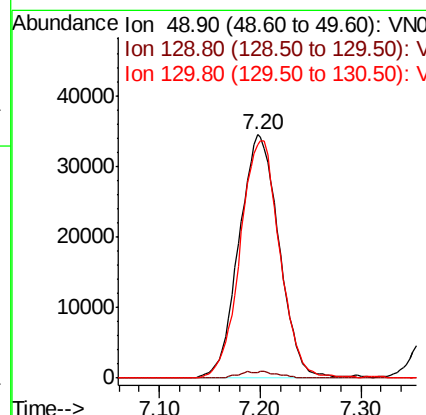
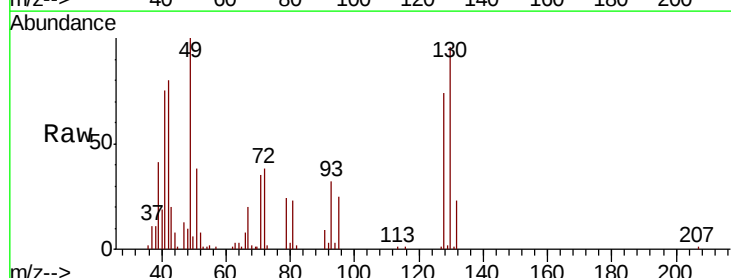
RT: 7.20 min Scan# 1687

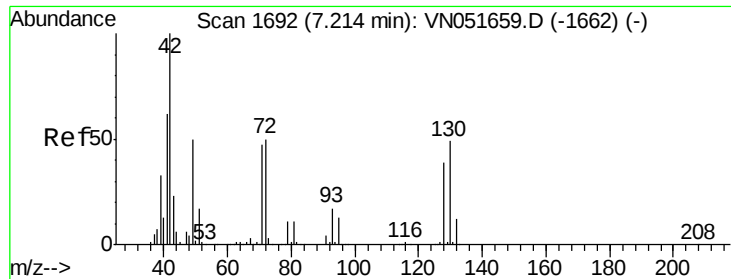
Delta R.T. 0.00 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

Tgt Ion:	49	Resp:	94640
Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	4.8
130	95.9	75.7	113.5





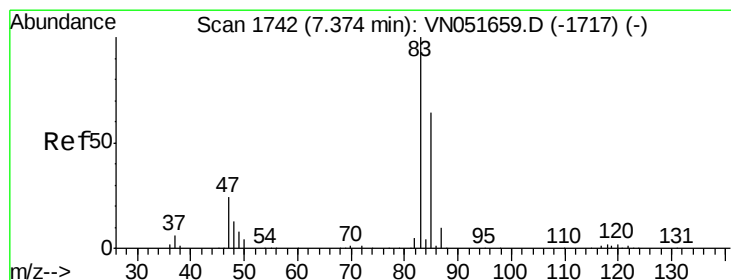
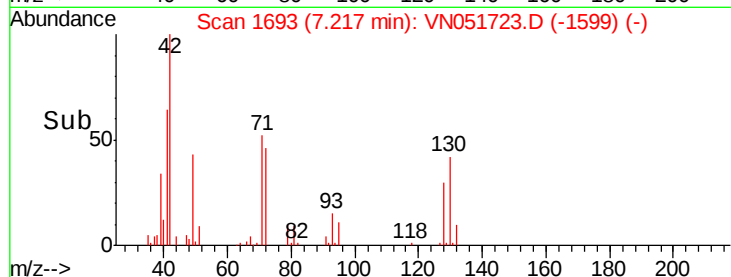
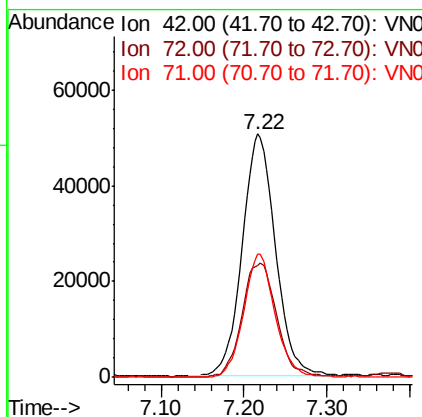
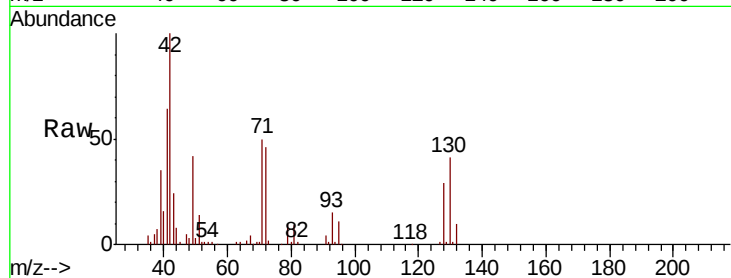
#29
Tetrahydrofuran
Concen: 108.751 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051723.D
Acq: 8 Oct 2018 10:02

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.5	40.1	60.1
71	47.7	38.0	57.0

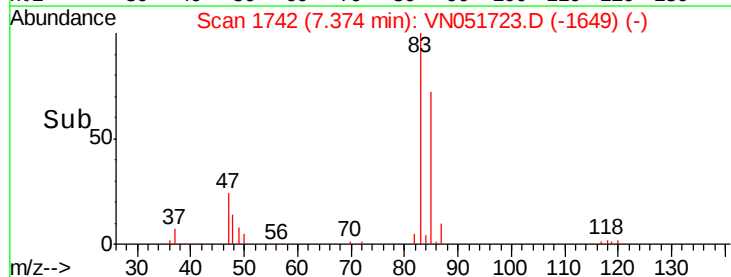
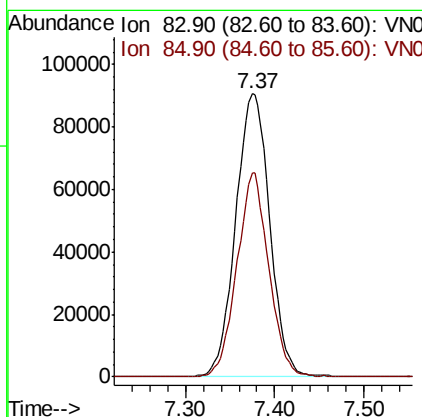
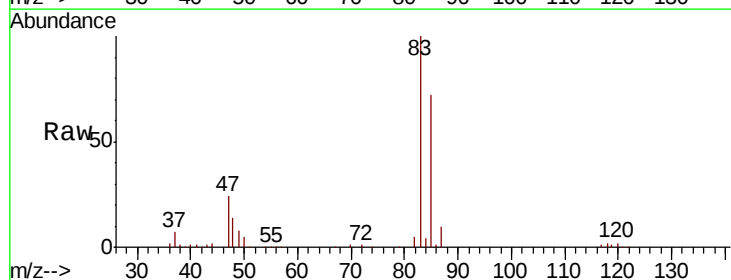
Manual Integrations
APPROVED

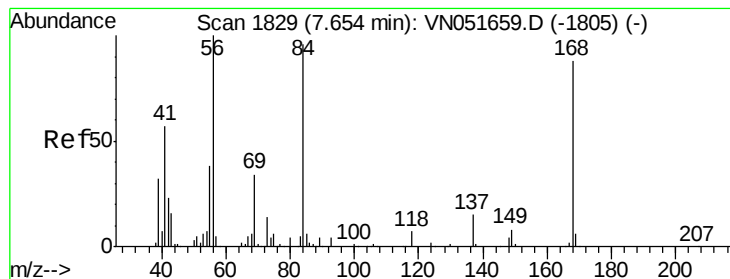
MMDadoda
10/10/2018 11:48:37 AM



#30
Chloroform
Concen: 19.752 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051723.D
Acq: 8 Oct 2018 10:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	72.1	51.6	77.4





#31

Cvclohexane

Concen: 19.307 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

Instrument :

MSVOA_N

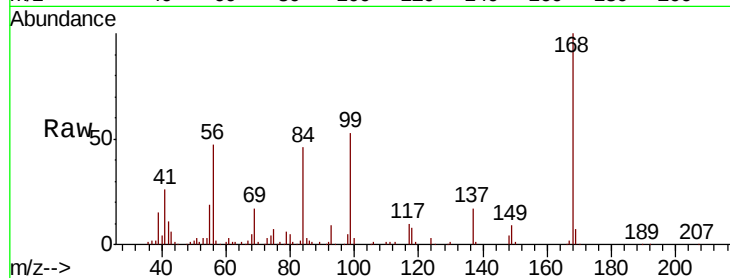
ClientSampleId :

VN1008WBS01

Tot Ion:	56	Resp:	191552
Ion Ratio	Lower	Upper	
56	100		
69	36.7	27.5	41.3
84	96.0	76.7	115.1

Manual Integrations
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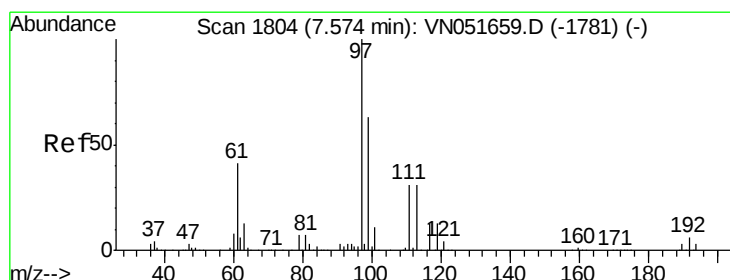
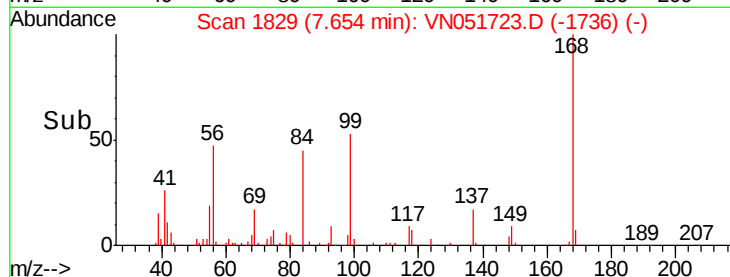
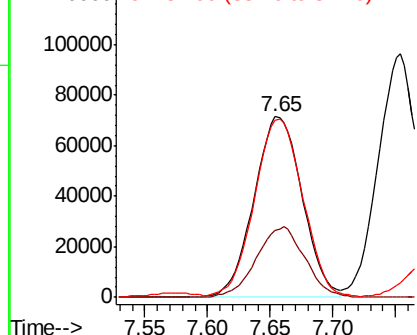


Abundance

Ion 56.00 (55.70 to 56.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 19.673 ug/l

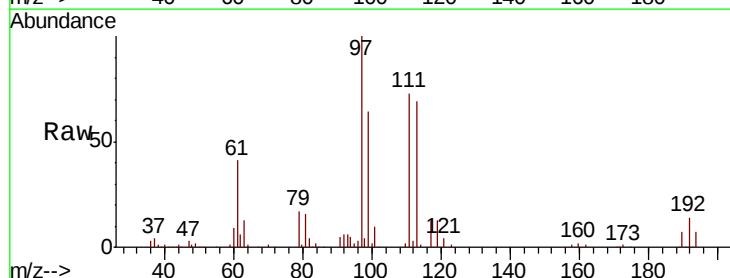
RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

Tgt Ion:	97	Resp:	232108
Ion Ratio	Lower	Upper	
97	100		
99	64.7	51.9	77.9
61	42.1	33.4	50.0

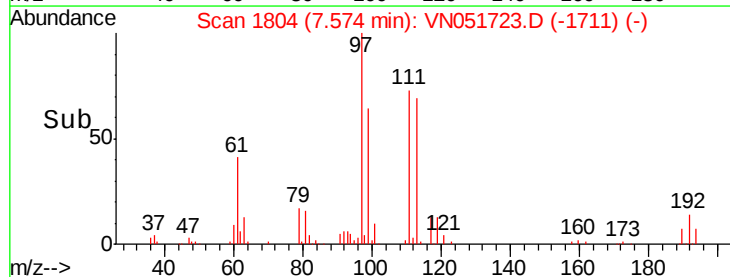
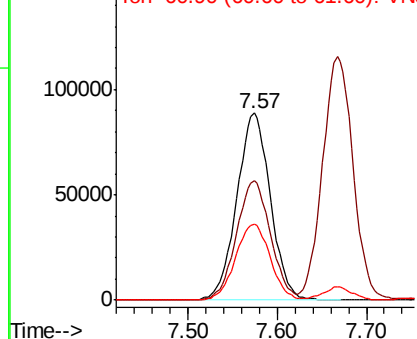


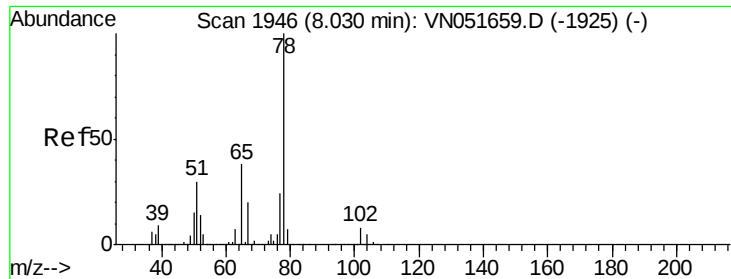
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 98.90 (98.60 to 99.60): VNO

Ion 60.90 (60.60 to 61.60): VNO





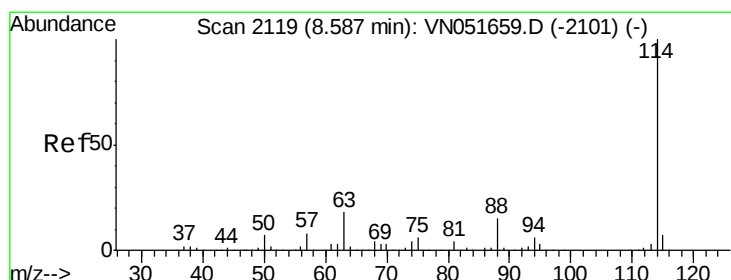
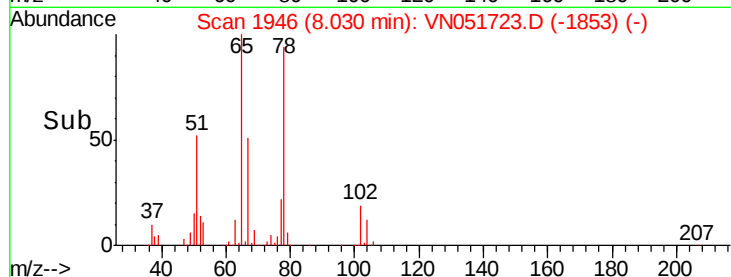
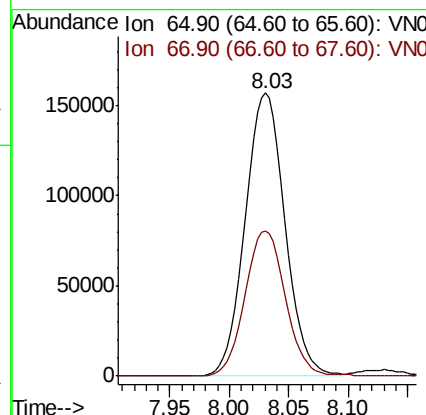
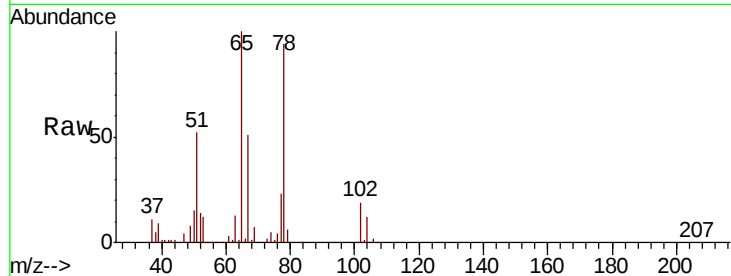
#33
 1,2-Dichloroethane-d4
 Concen: 19.673 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051723.D
 Acq: 8 Oct 2018 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.2	0.0	103.6	

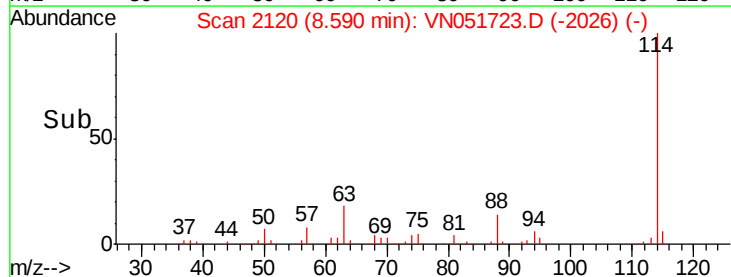
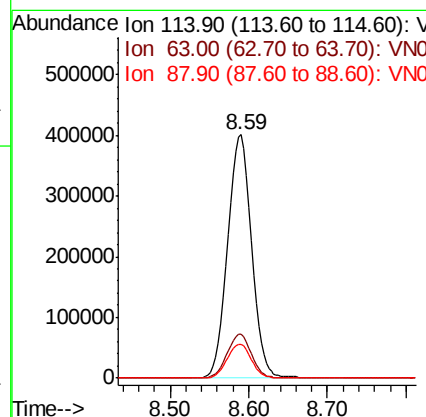
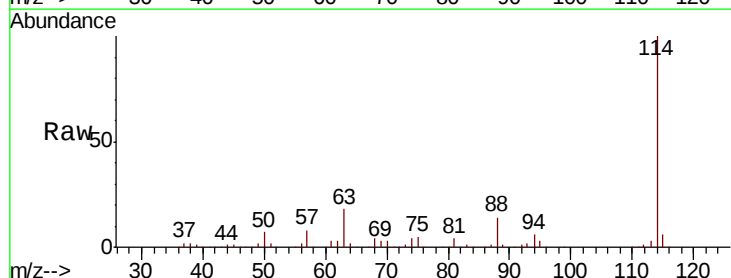
Manual Integrations
 APPROVED

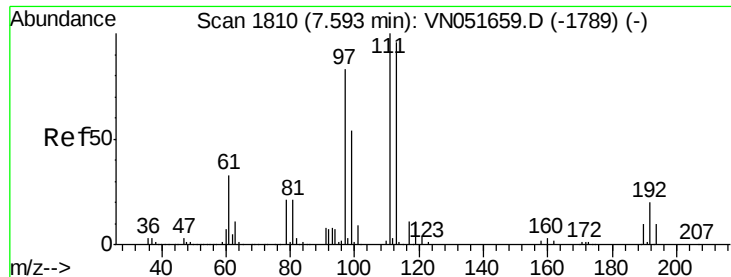
MMDadoda
 10/10/2018 11:48:37 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2120
 Delta R.T. 0.00 min
 Lab File: VN051723.D
 Acq: 8 Oct 2018 10:02

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.1	0.0	36.2	
88	13.9	0.0	30.2	





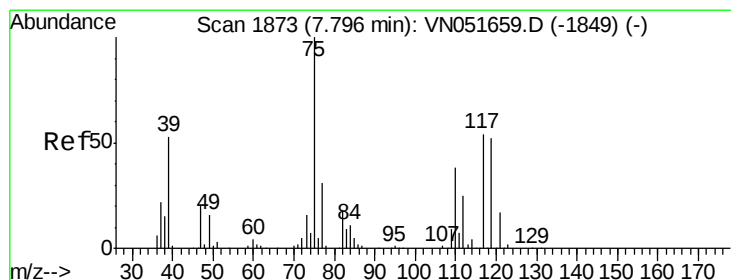
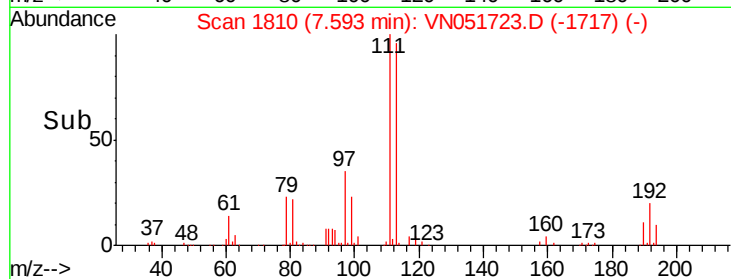
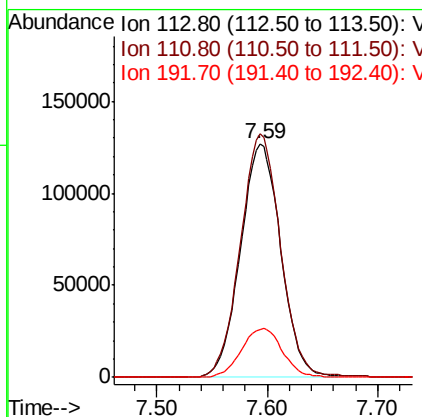
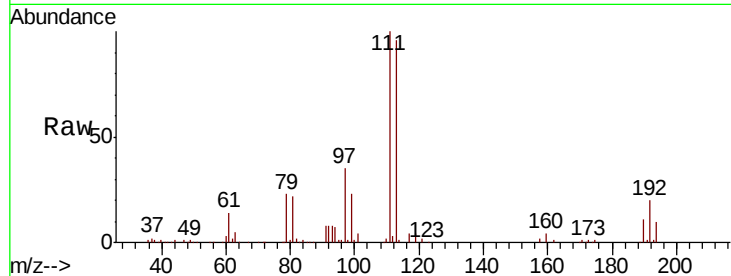
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN051723.D
Acq: 8 Oct 2018 10:02

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	320627		
111	104.3	81.8	122.8	
192	21.3	16.5	24.7	

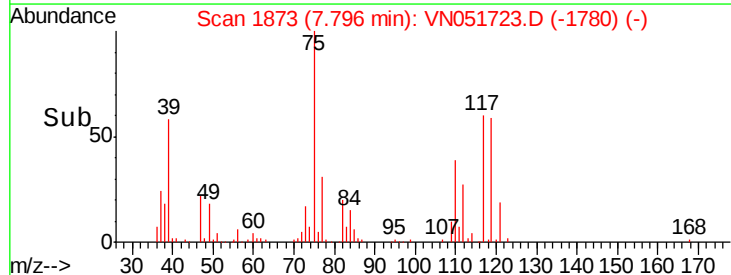
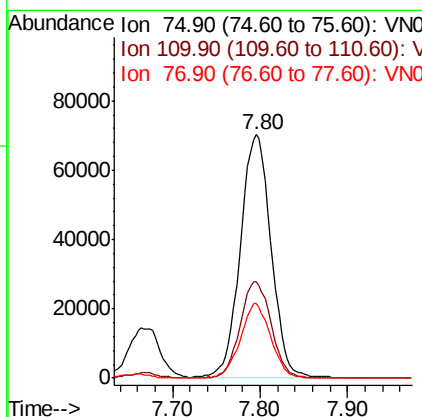
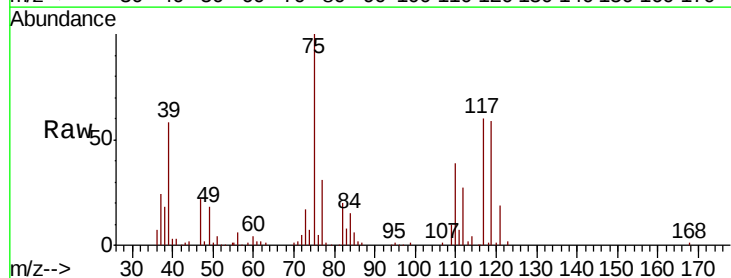
Manual Integrations
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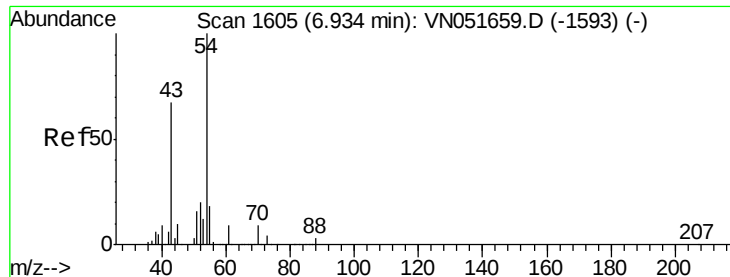
MMDadoda
10/10/2018 11:48:37 AM



#36
1,1-Dichloropropene
Concen: 19.365 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN051723.D
Acq: 8 Oct 2018 10:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	170979		
110	39.9	19.3	57.8	
77	30.6	24.7	37.1	





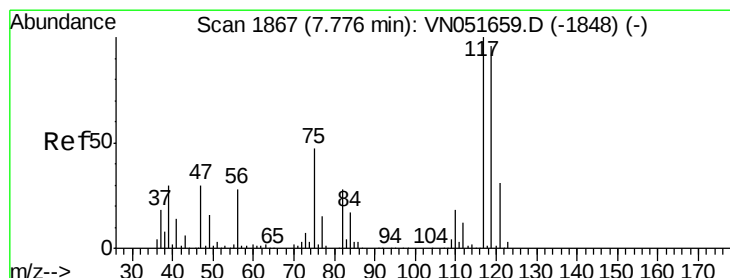
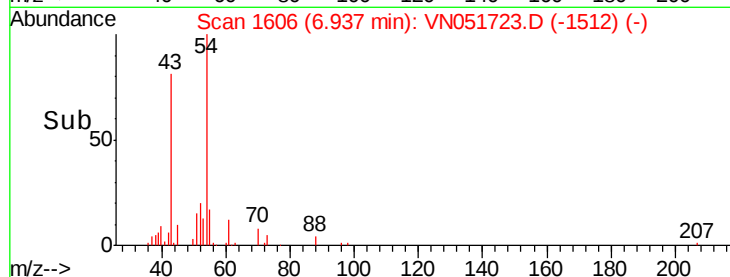
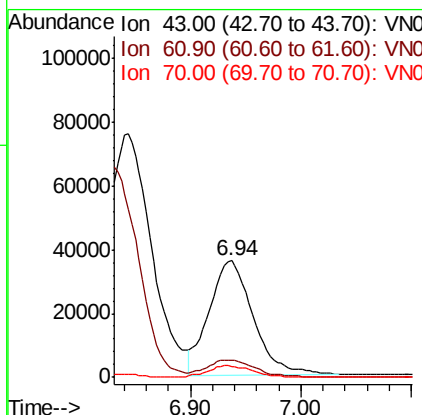
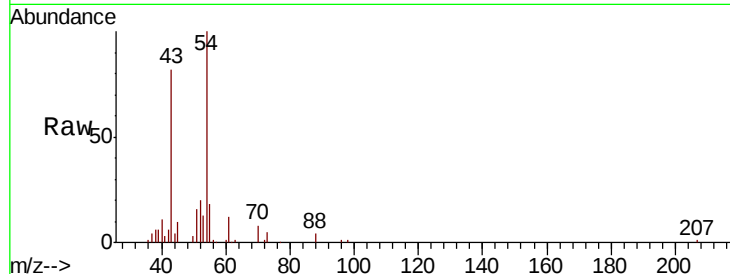
#37
Ethyl Acetate
Concen: 21.568 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN051723.D
Acq: 8 Oct 2018 10:02

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.7	11.8	17.6
70	9.5	8.7	13.1

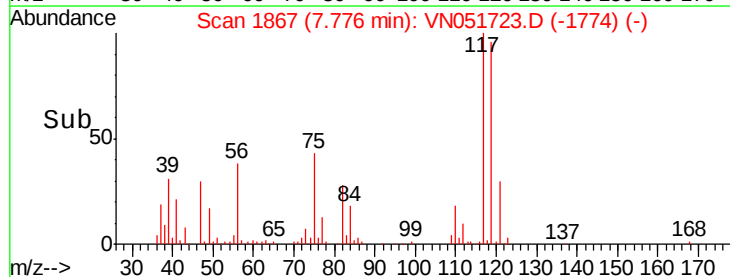
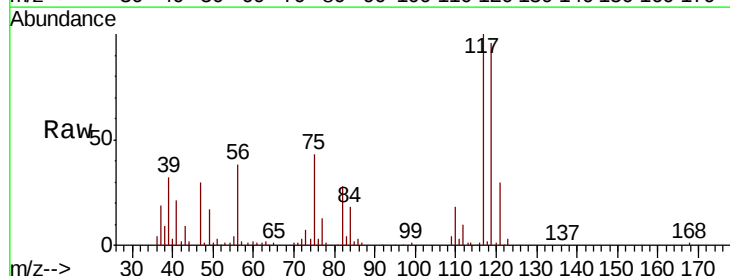
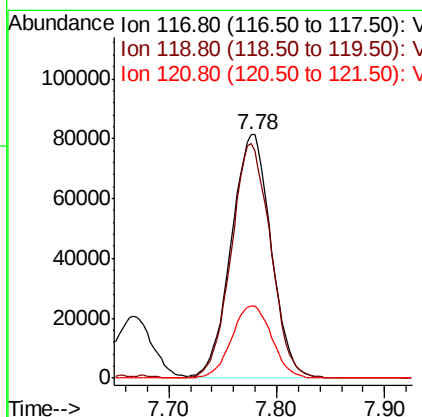
Manual Integrations
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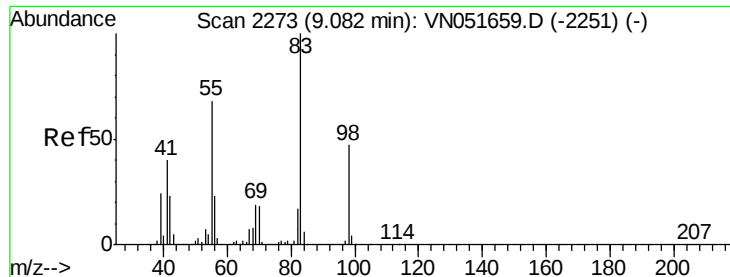
MMDadoda
10/10/2018 11:48:37 AM



#38
Carbon Tetrachloride
Concen: 19.746 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051723.D
Acq: 8 Oct 2018 10:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	77.0	115.6
121	29.7	25.0	37.6





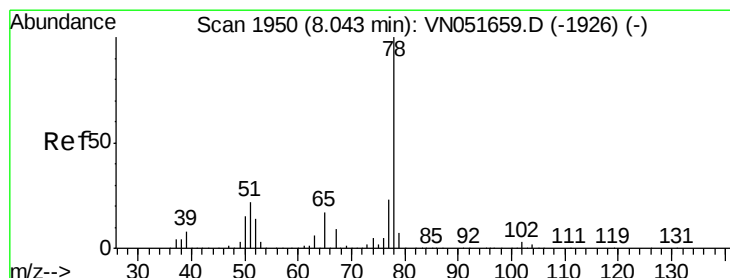
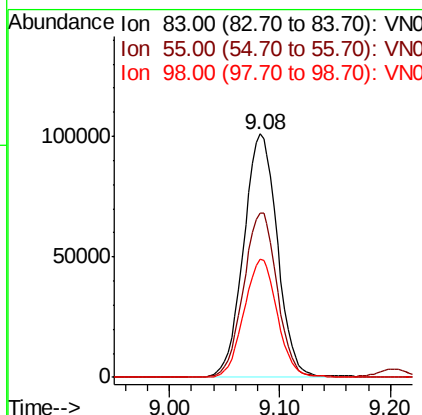
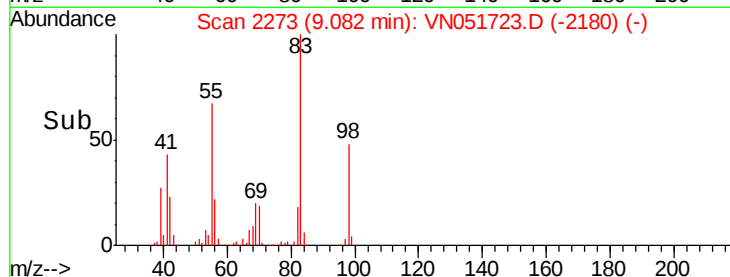
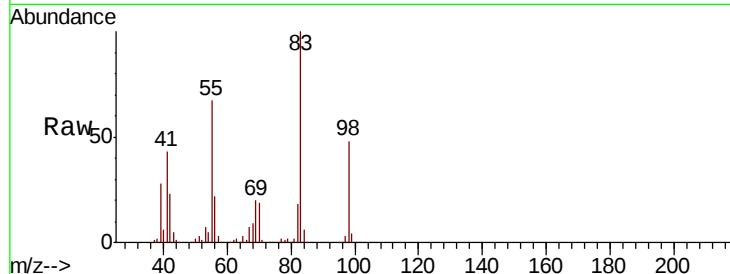
#39
Methvlcvclohexane
Concen: 19.307 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051723.D
Acq: 8 Oct 2018 10:02

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	67.2	54.3	81.5	
98	48.3	37.4	56.2	

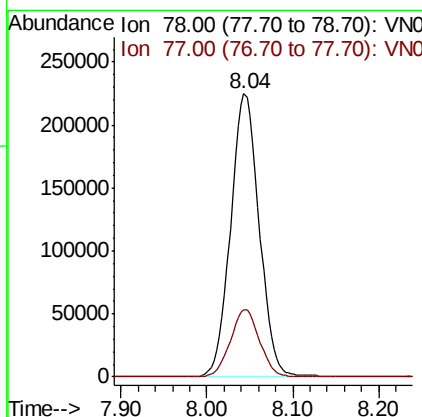
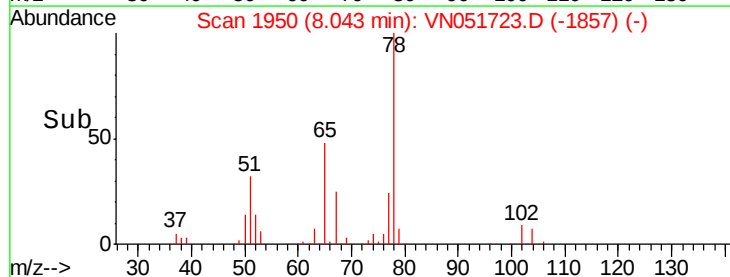
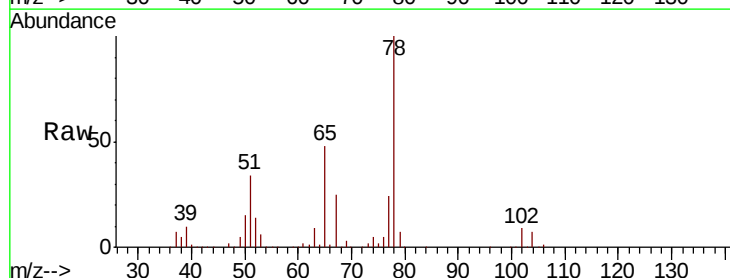
Manual Integrations
APPROVED

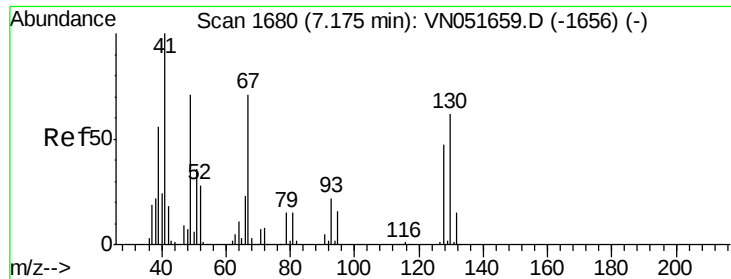
MMDadoda
10/10/2018 11:48:37 AM



#40
Benzene
Concen: 19.826 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051723.D
Acq: 8 Oct 2018 10:02

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.8	18.5	27.7	





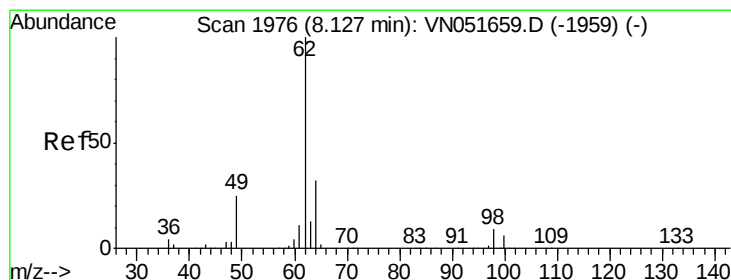
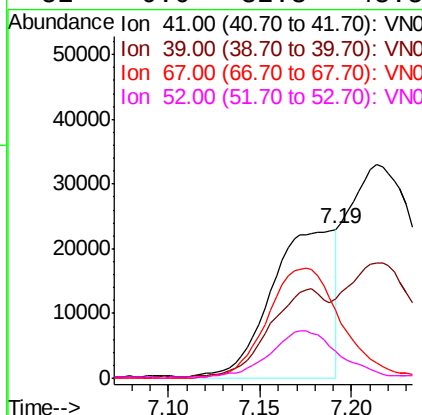
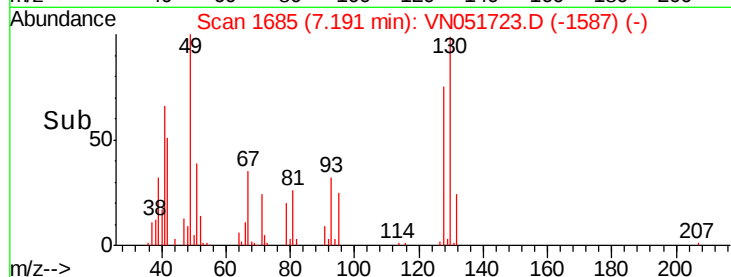
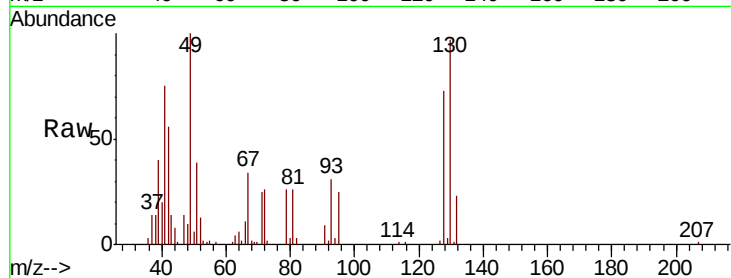
#41
Methacrylonitrile
Concen: 23.335 ug/l m
RT: 7.19 min Scan# 1685
Delta R.T. 0.02 min
Lab File: VN051723.D
Acq: 8 Oct 2018 10:02

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	53.9	80.9#
67	0.0	78.1	117.1#
52	0.0	32.3	48.5#

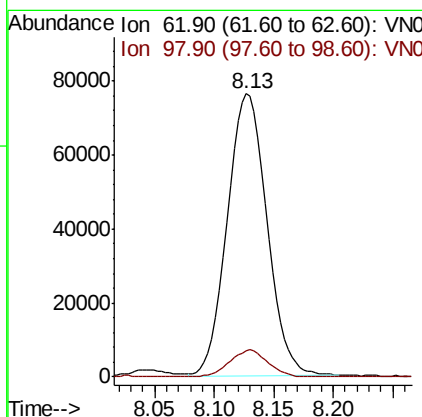
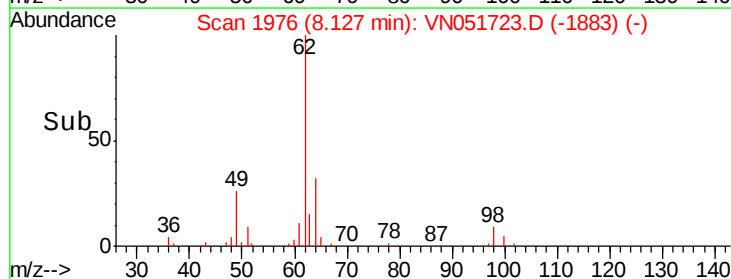
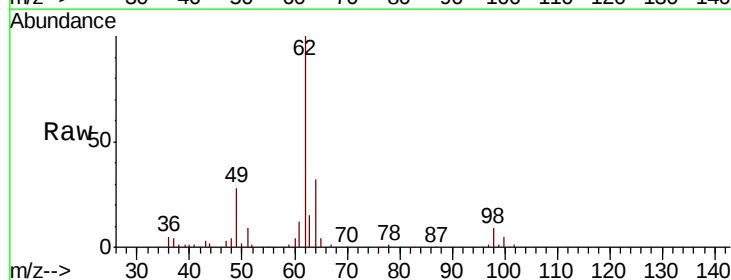
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#42
1,2-Dichloroethane
Concen: 20.058 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051723.D
Acq: 8 Oct 2018 10:02

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.4





#43

Isopropyl Acetate

Concen: 20.911 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

Instrument :

MSVOA_N

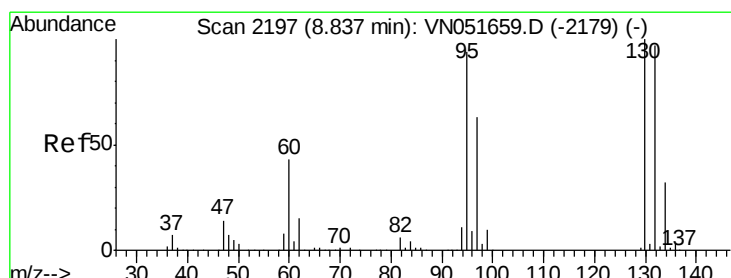
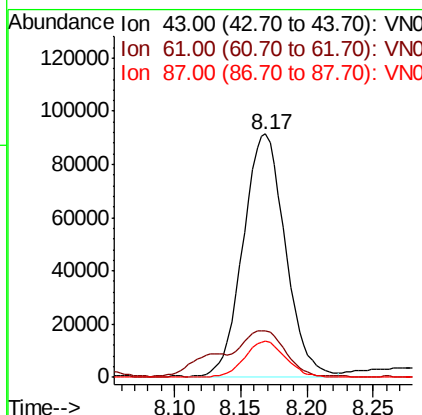
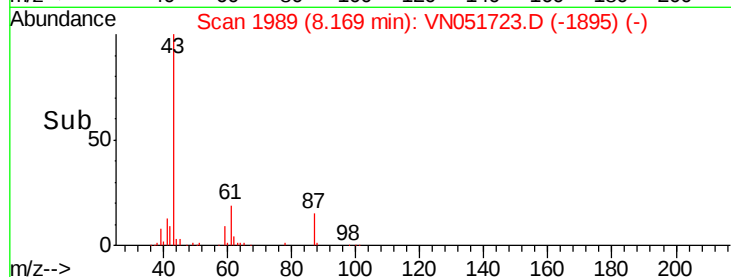
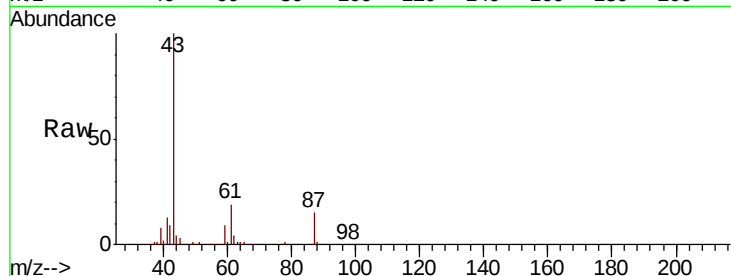
ClientSampleId :

VN1008WBS01

Tot Ion:	43	Resp:	200765
Ion Ratio	Lower	Upper	
43	100		
61	19.3	15.8	23.6
87	14.6	12.6	19.0

Manual Integrations
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#44

Trichloroethene

Concen: 20.081 ug/l

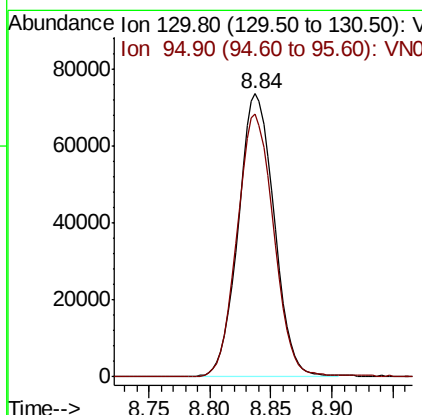
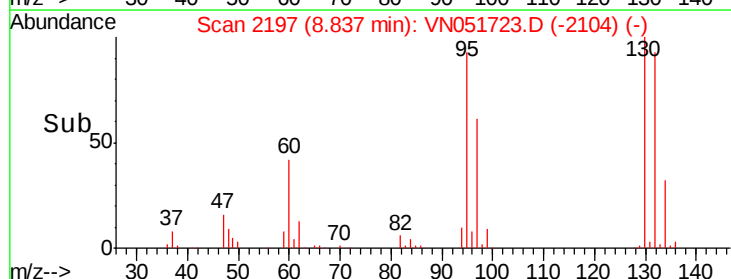
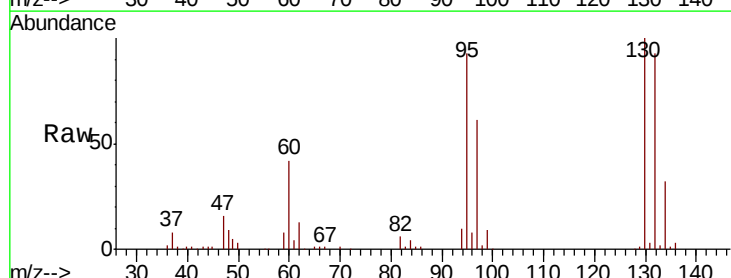
RT: 8.84 min Scan# 2197

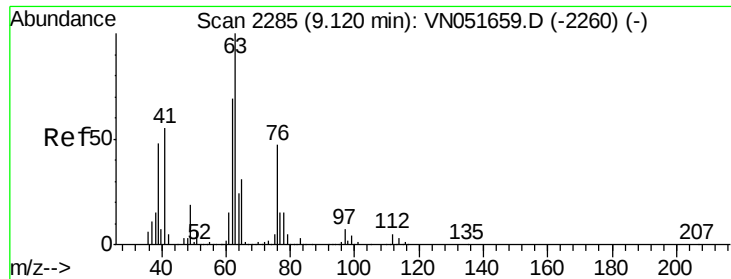
Delta R.T. 0.00 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

Tgt Ion:	130	Resp:	149241
Ion Ratio	Lower	Upper	
130	100		
95	92.7	0.0	188.0





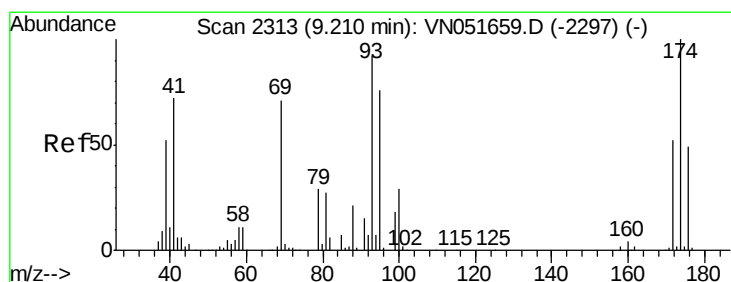
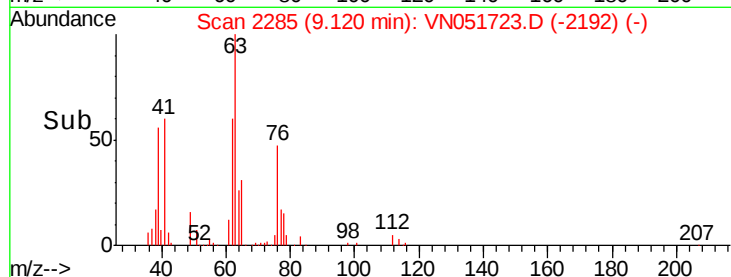
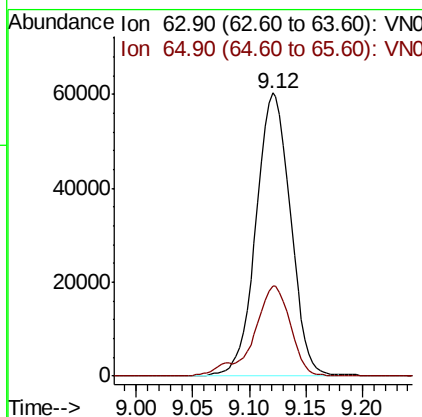
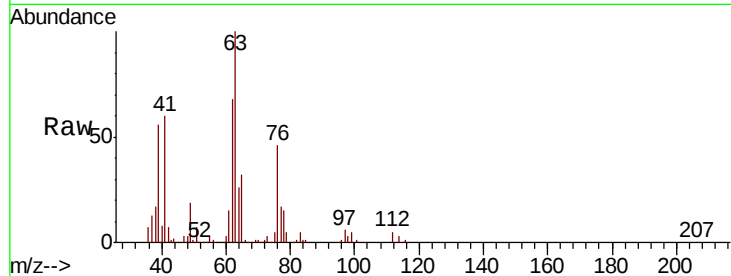
#45
 1,2-Dichloropropane
 Concen: 19.748 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051723.D
 Acq: 8 Oct 2018 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBS01

Tot Ion: 63 Resp: 127801
 Ion Ratio Lower Upper
 63 100
 65 31.8 25.0 37.4

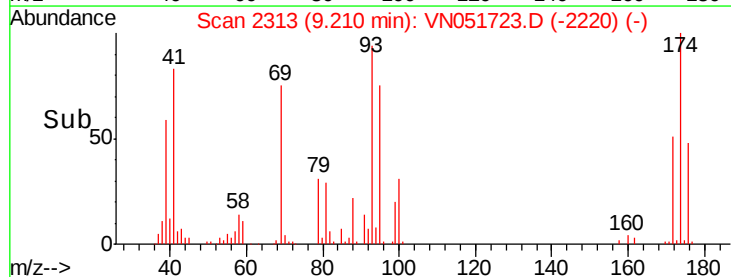
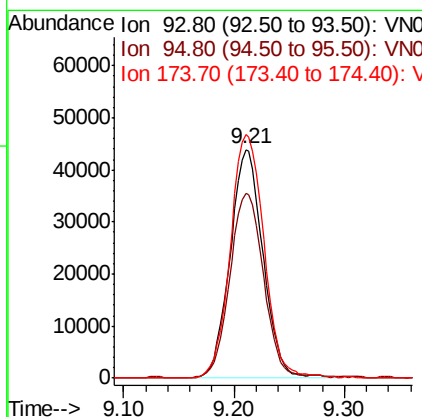
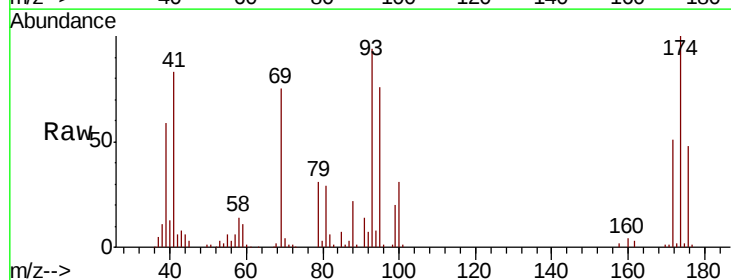
Manual Integrations
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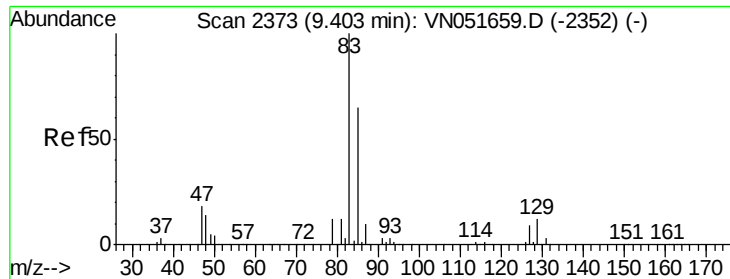
MMDadoda
 10/10/2018 11:48:37 AM



#46
 Dibromomethane
 Concen: 20.232 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051723.D
 Acq: 8 Oct 2018 10:02

Tgt Ion: 93 Resp: 91006
 Ion Ratio Lower Upper
 93 100
 95 82.5 66.6 100.0
 174 108.7 85.9 128.9





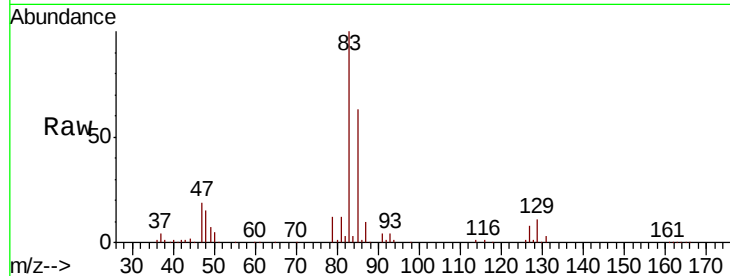
#47
Bromodichloromethane
Concen: 19.493 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN051723.D
Acq: 8 Oct 2018 10:02

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBS01

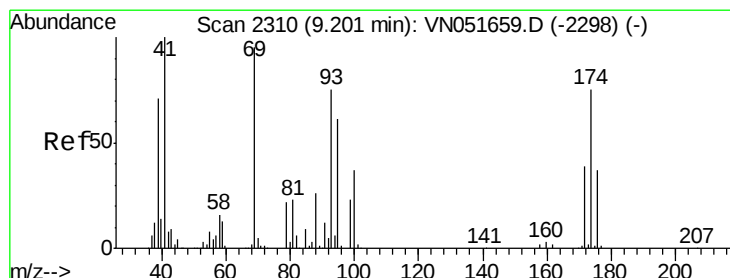
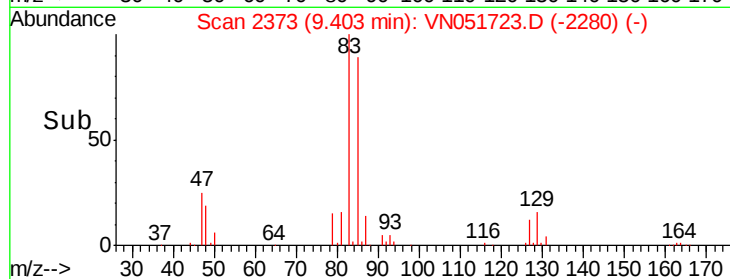
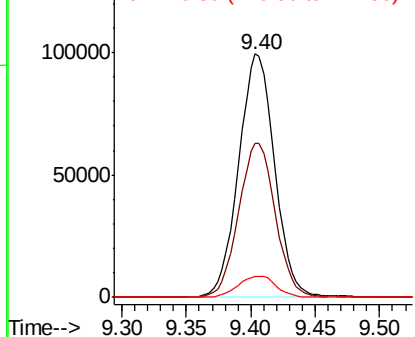
Tot Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.6	77.4
127	8.3	7.3	10.9

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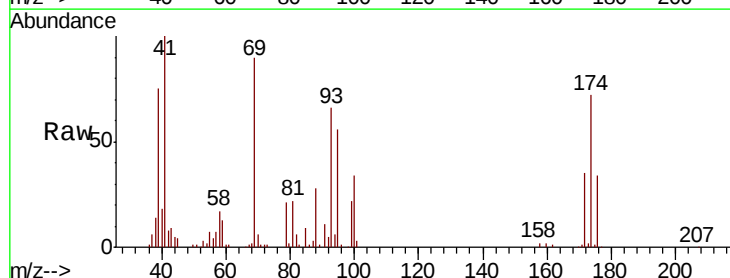


Abundance Ion 82.90 (82.60 to 83.60): VN051723.D (-2280) (-)
Ion 84.90 (84.60 to 85.60): VN051723.D (-2280) (-)
Ion 126.80 (126.50 to 127.50): VN051723.D (-2280) (-)

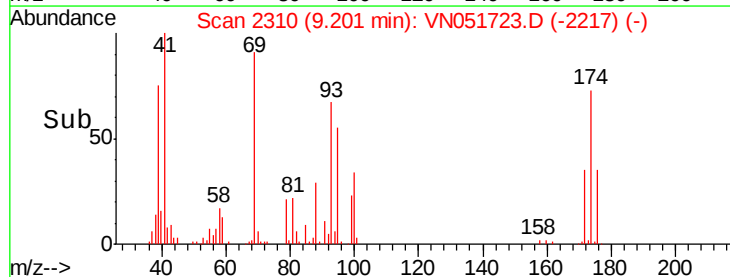
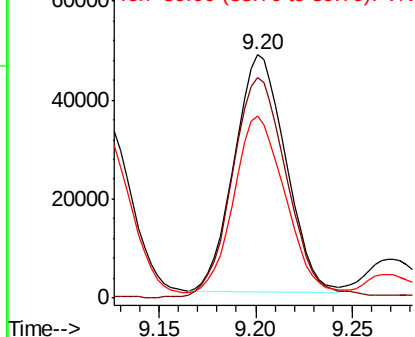


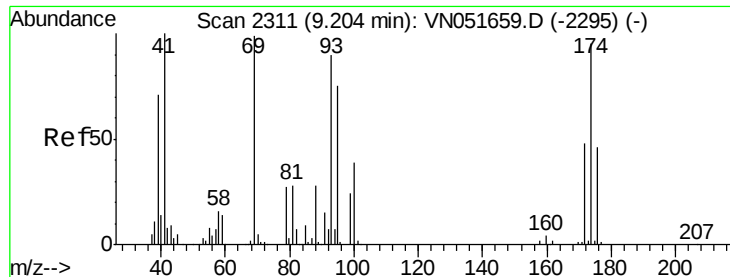
#48
Methyl methacrylate
Concen: 20.178 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051723.D
Acq: 8 Oct 2018 10:02

Tgt Ion	Ratio	Lower	Upper
41	100		
69	98.8	78.6	118.0
39	77.9	59.2	88.8



Abundance Ion 41.00 (40.70 to 41.70): VN051723.D (-2217) (-)
Ion 69.00 (68.70 to 69.70): VN051723.D (-2217) (-)
Ion 39.00 (38.70 to 39.70): VN051723.D (-2217) (-)





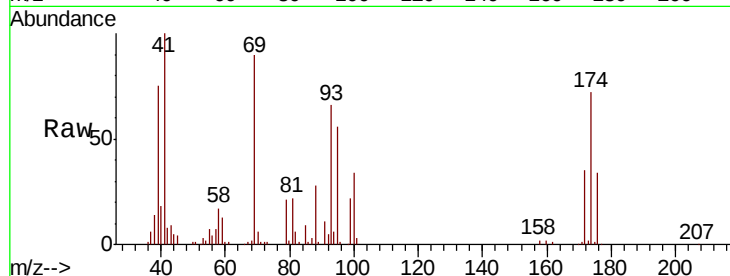
#49
1,4-Dioxane
Concen: 419.538 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051723.D
Acq: 8 Oct 2018 10:02

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.7	24.5	36.7
58	60.0	47.6	71.4

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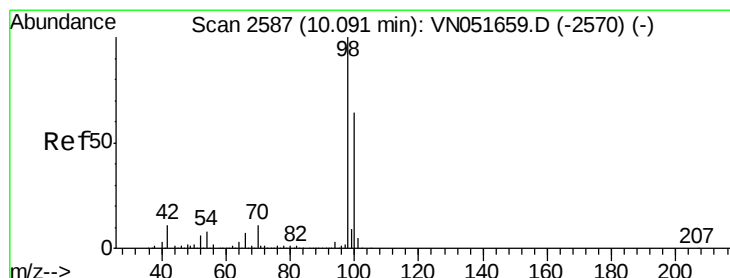
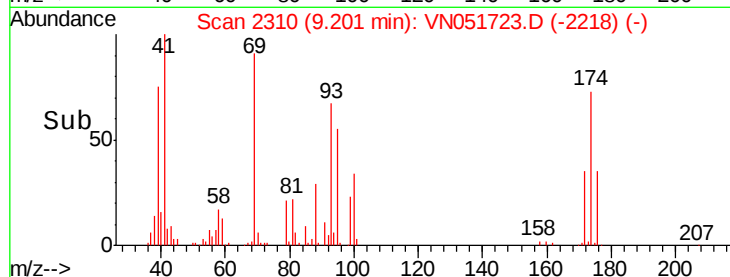
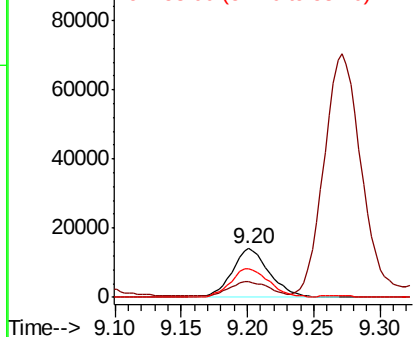


Abundance

Ion 88.00 (87.70 to 88.70): VN051723.D (-2218) (-)

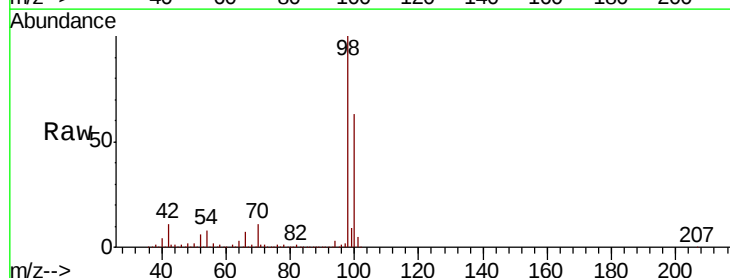
Ion 43.00 (42.70 to 43.70): VN051723.D (-2218) (-)

Ion 58.00 (57.70 to 58.70): VN051723.D (-2218) (-)



#50
Toluene-d8
Concen: 419.538 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051723.D
Acq: 8 Oct 2018 10:02

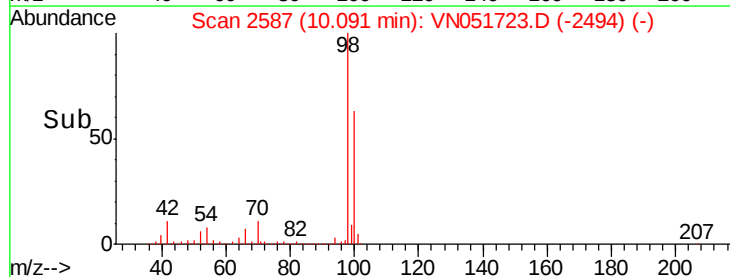
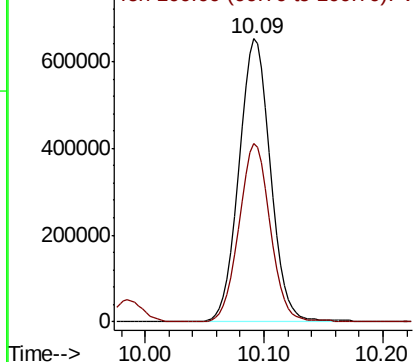
Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.8	51.5	77.3

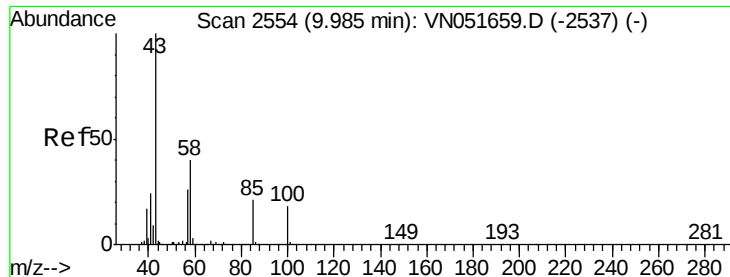


Abundance

Ion 98.00 (97.70 to 98.70): VN051723.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN051723.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 108.758 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBS01

Tot Ion: 43 Resp: 529124

Ion Ratio Lower Upper

43 100

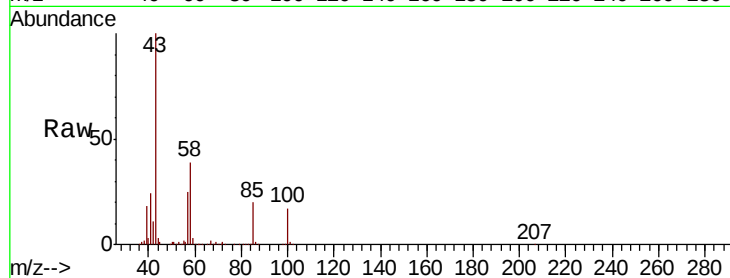
58 38.7 32.2 48.2

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Abundance Ion 43.00 (42.70 to 43.70): VN051659.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN051659.D (-2537) (-)

9.99

300000

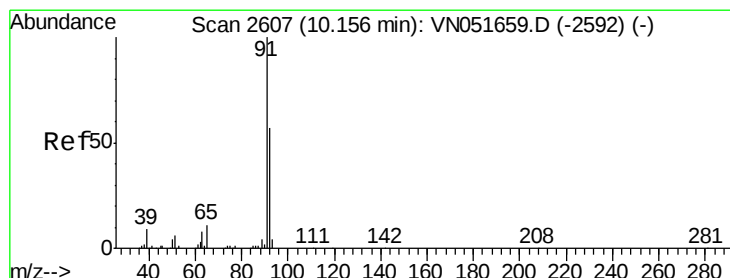
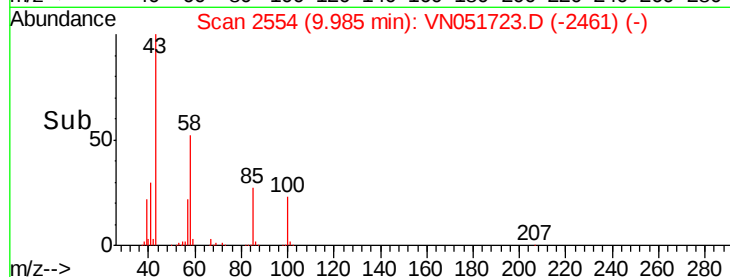
200000

100000

0

9.90 10.00 10.10

Time-->



#52

Toluene

Concen: 19.449 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051723.D

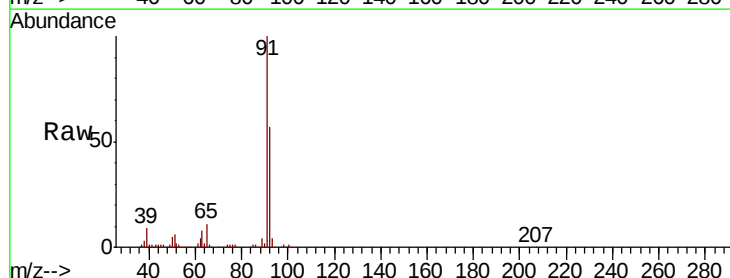
Acq: 8 Oct 2018 10:02

Tgt Ion: 92 Resp: 338588

Ion Ratio Lower Upper

92 100

91 177.1 140.3 210.5



Abundance Ion 92.00 (91.70 to 92.70): VN051659.D (-2592) (-)

Ion 91.00 (90.70 to 91.70): VN051659.D (-2592) (-)

10.16

300000

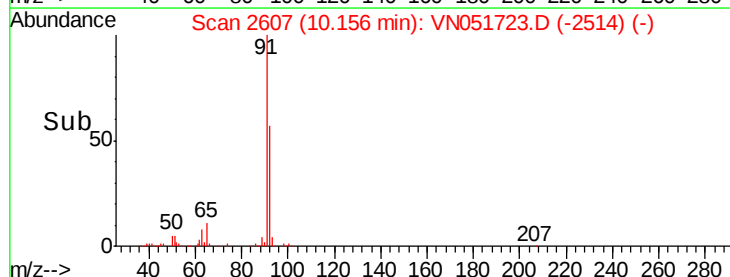
200000

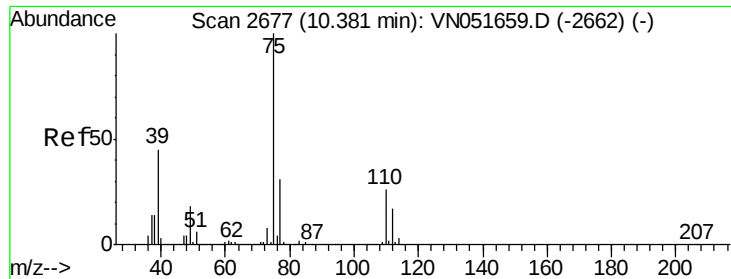
100000

0

10.10 10.20

Time-->





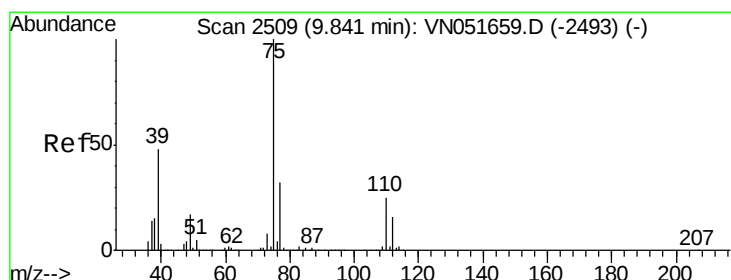
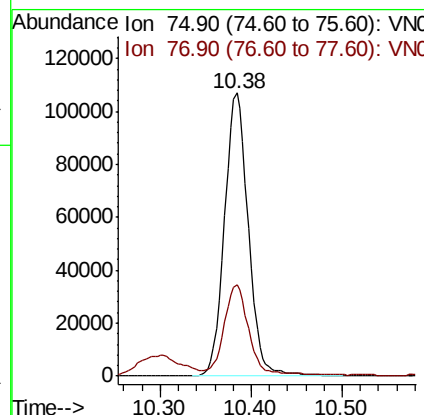
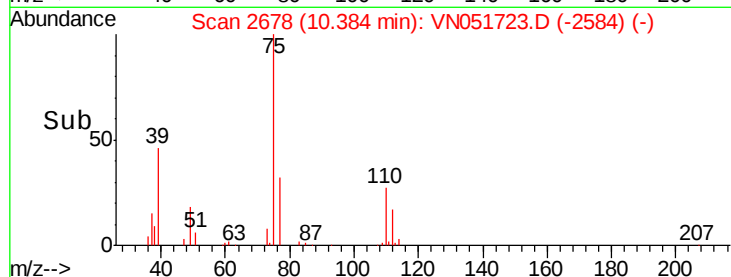
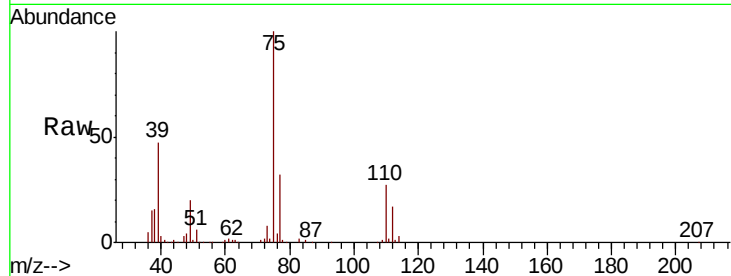
#53
t-1,3-Dichloropropene
Concen: 19.045 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN051723.D
Acq: 8 Oct 2018 10:02

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBS01

Tot Ion: 75 Resp: 194591
Ion Ratio Lower Upper
75 100
77 31.7 25.5 38.3

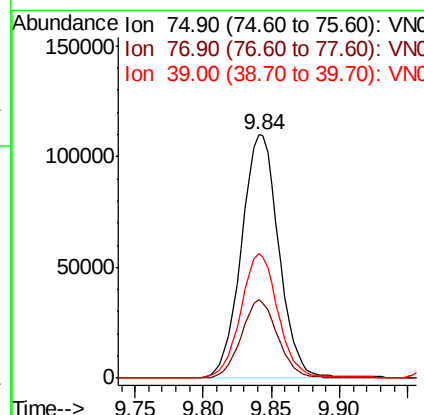
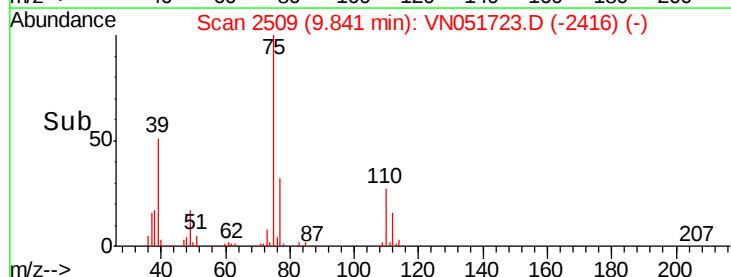
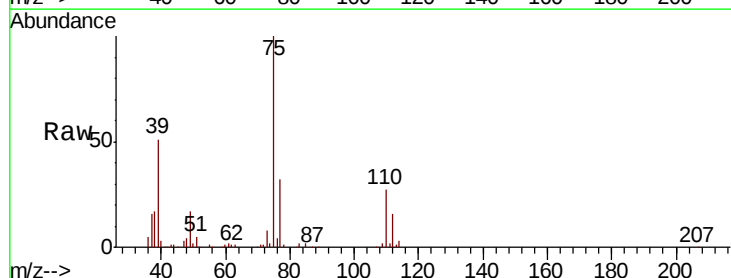
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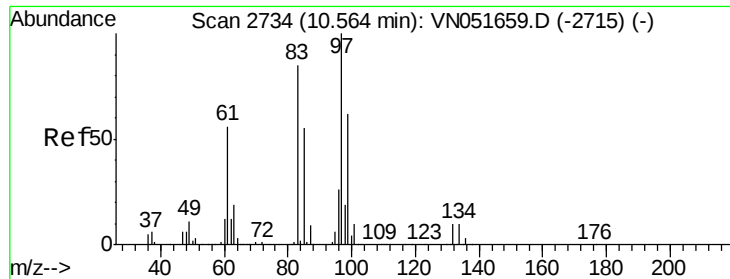
MMDadoda
10/10/2018 11:48:37 AM



#54
cis-1,3-Dichloropropene
Concen: 19.281 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN051723.D
Acq: 8 Oct 2018 10:02

Tgt Ion: 75 Resp: 209204
Ion Ratio Lower Upper
75 100
77 32.1 25.7 38.5
39 50.8 38.1 57.1





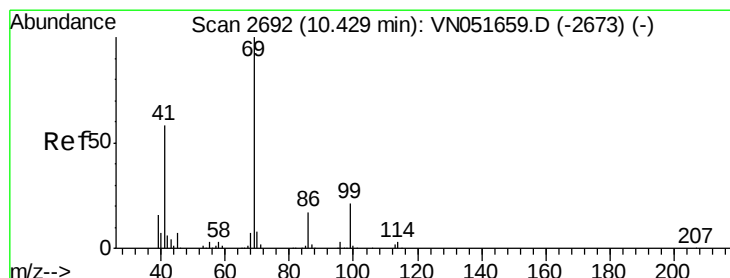
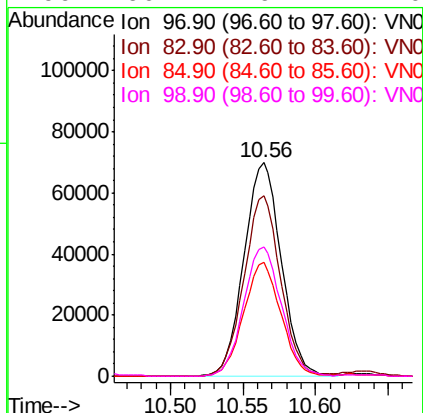
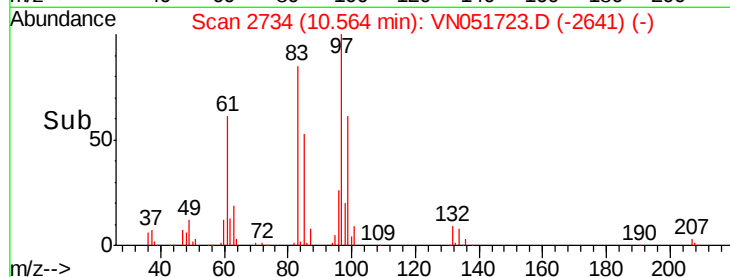
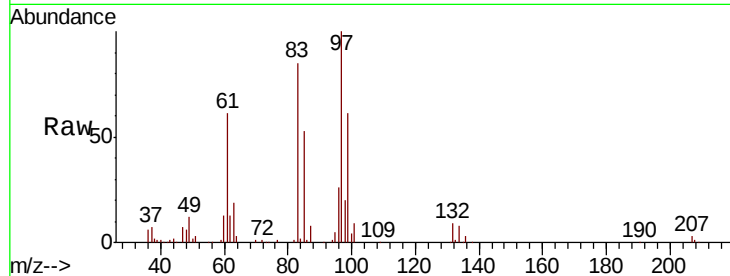
#55
 1,1,2-Trichloroethane
 Concen: 20.214 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051723.D
 Acq: 8 Oct 2018 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBS01

Tot Ion:	97	Resp:	125360
Ion	Ratio	Lower	Upper
97	100		
83	84.7	68.1	102.1
85	53.4	43.6	65.4
99	60.7	49.4	74.0

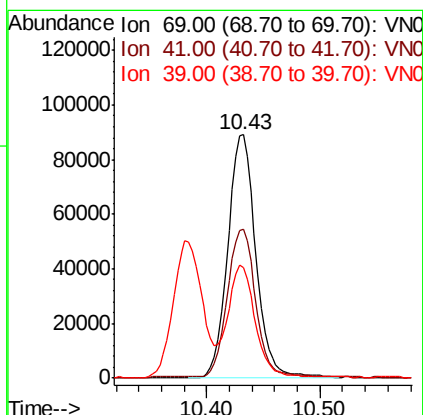
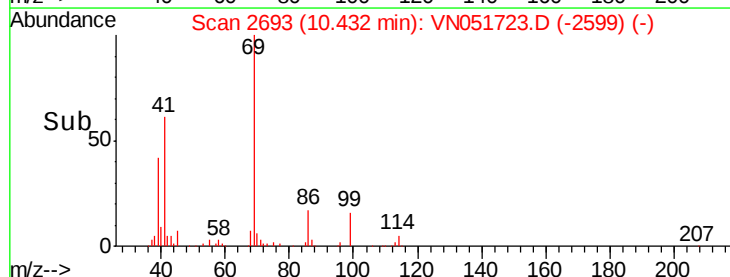
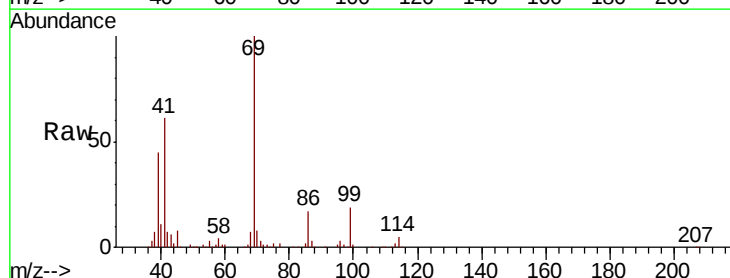
Manual Integrations
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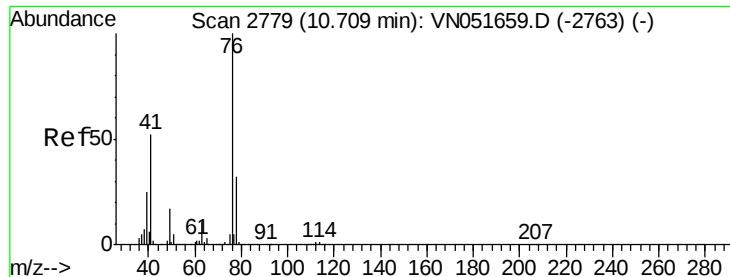
MMDadoda
 10/10/2018 11:48:37 AM



#56
 Ethyl methacrylate
 Concen: 19.701 ug/l
 RT: 10.43 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN051723.D
 Acq: 8 Oct 2018 10:02

Tgt Ion:	69	Resp:	154511
Ion	Ratio	Lower	Upper
69	100		
41	60.1	46.4	69.6
39	43.6	32.4	48.6





#57

1,3-Dichloropropane

Concen: 20.238 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBS01

Tot Ion: 76 Resp: 198642

Ion Ratio Lower Upper

76 100

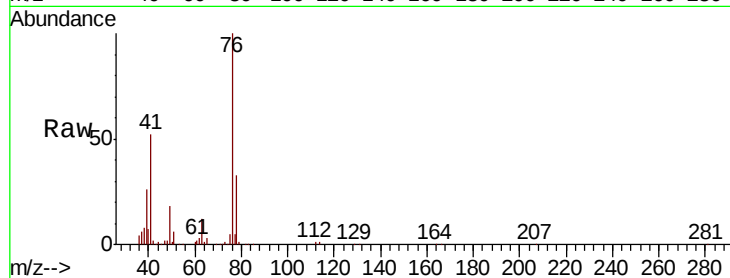
78 32.4 26.0 39.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

120000

100000

80000

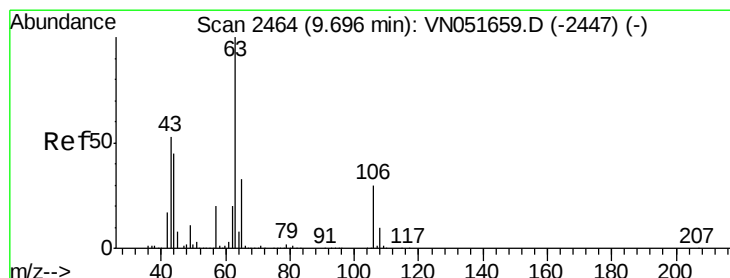
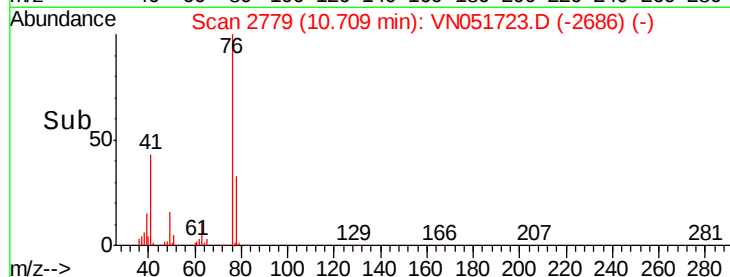
60000

40000

20000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 96.622 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051723.D

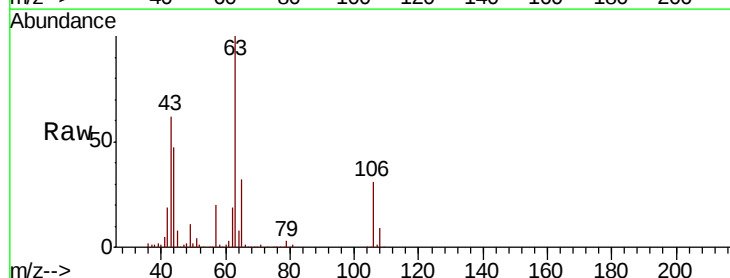
Acq: 8 Oct 2018 10:02

Tgt Ion: 63 Resp: 313618

Ion Ratio Lower Upper

63 100

106 31.3 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

200000

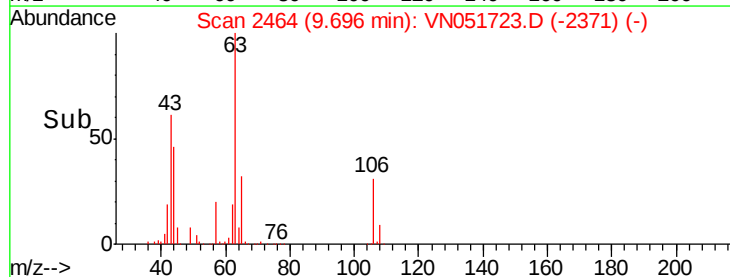
150000

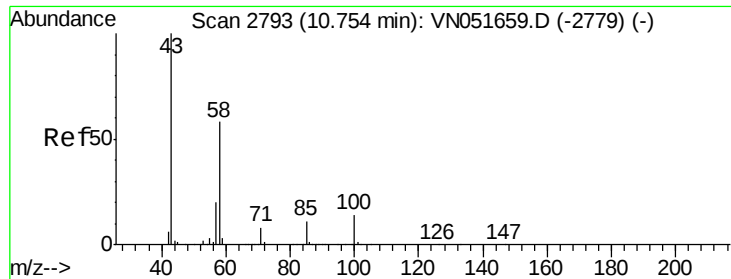
100000

50000

0

Time--> 9.60 9.65 9.70 9.75 9.80





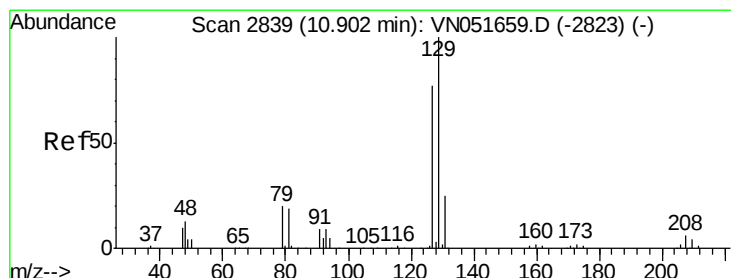
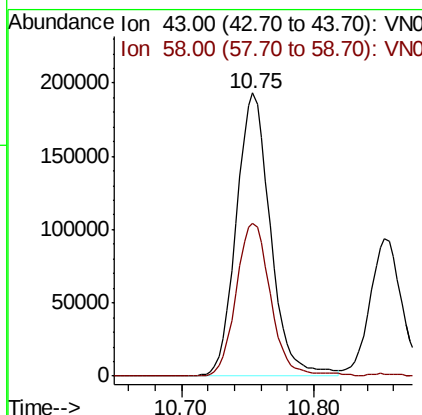
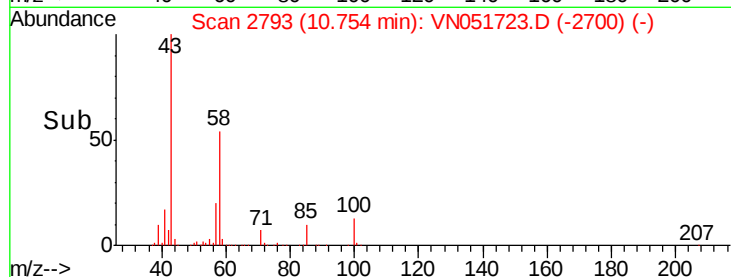
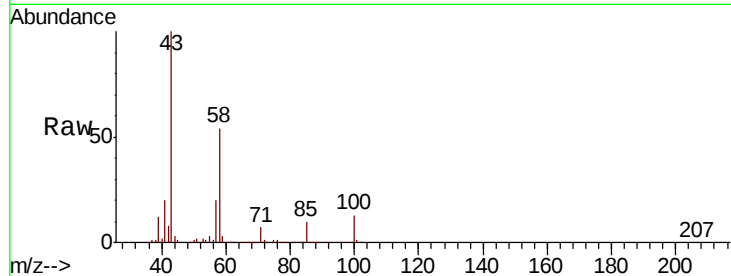
#59
2-Hexanone
Concen: 104.073 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051723.D
Acq: 8 Oct 2018 10:02

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBS01

Tot Ion: 43 Resp: 343865
Ion Ratio Lower Upper
43 100
58 55.1 28.8 86.4

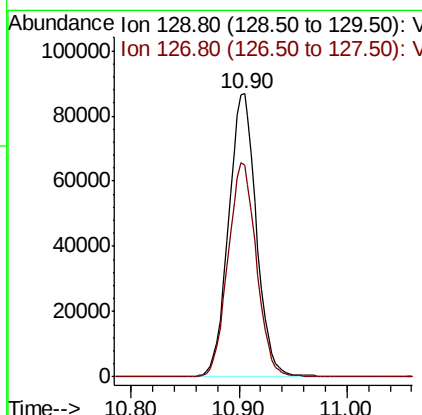
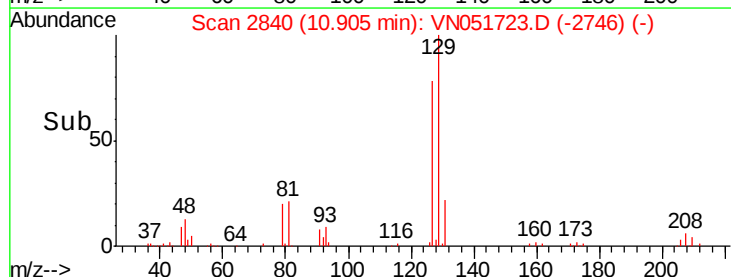
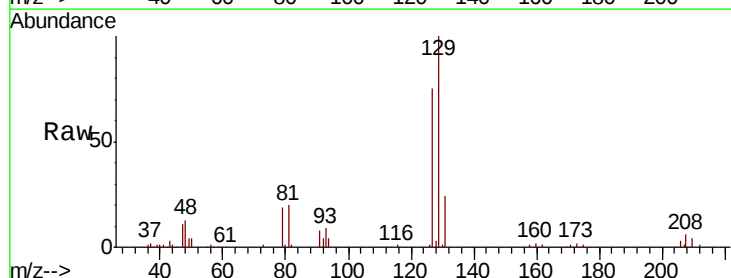
Manual Integrations
APPROVED

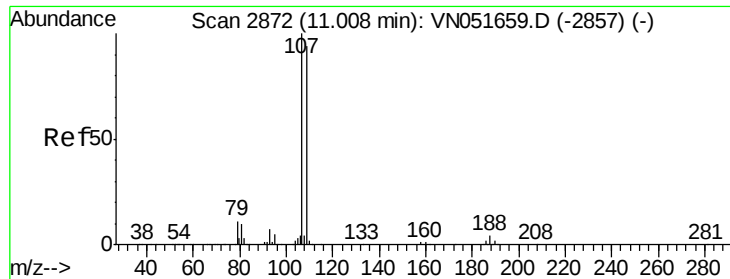
MMDadoda
10/10/2018 11:48:37 AM



#60
Dibromochloromethane
Concen: 19.272 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN051723.D
Acq: 8 Oct 2018 10:02

Tgt Ion: 129 Resp: 156410
Ion Ratio Lower Upper
129 100
127 76.9 38.6 115.7





#61

1,2-Dibromoethane

Concen: 19.330 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBS01

Tot Ion: 107 Resp: 126729

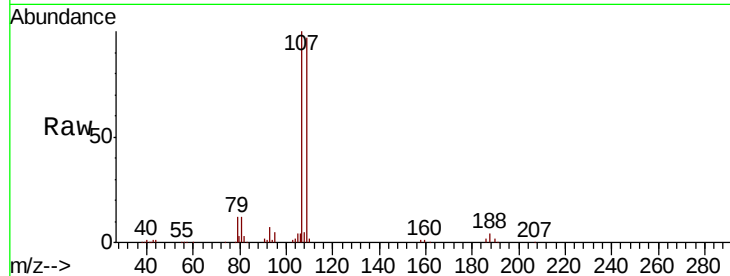
Ion Ratio Lower Upper

107 100

109 96.7 75.4 113.0

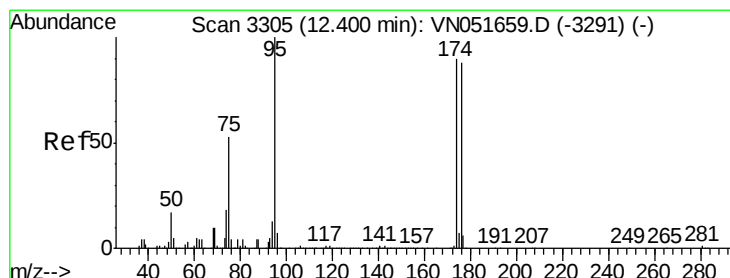
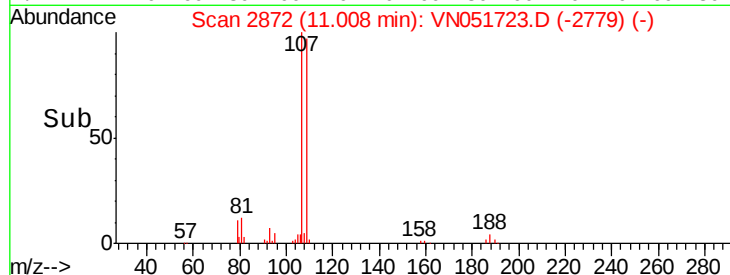
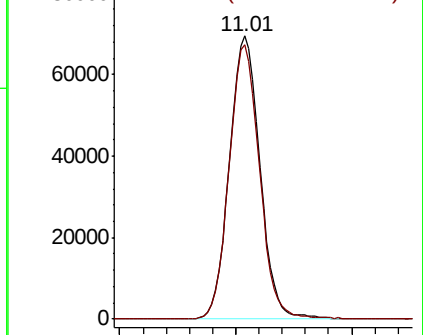
Manual Integrations
APPROVED

MMDadoda
10/10/2018 11:48:37 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 19.330 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

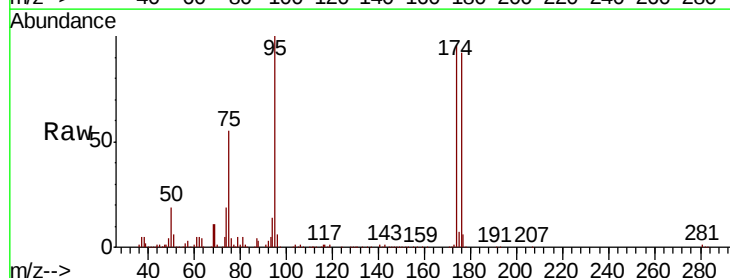
Tgt Ion: 95 Resp: 377521

Ion Ratio Lower Upper

95 100

174 94.8 0.0 182.8

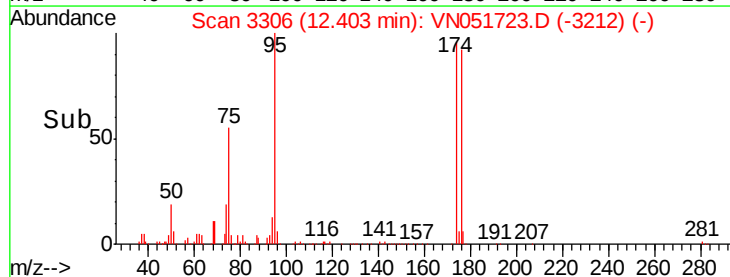
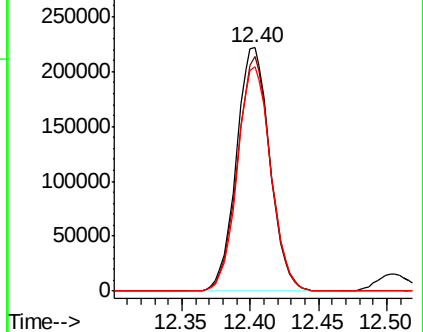
176 91.8 0.0 176.4

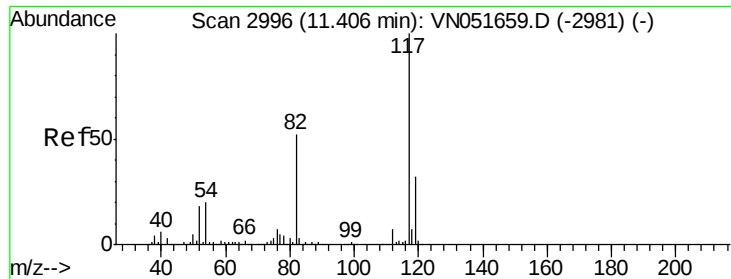


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





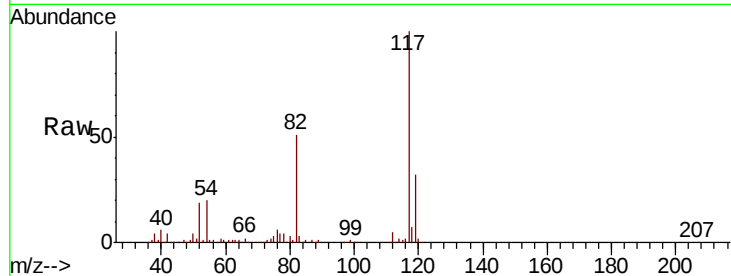
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051723.D
Acq: 8 Oct 2018 10:02

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	768878		
82	50.8		41.3	61.9
119	32.5		25.9	38.9

Manual Integrations
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MMDadoda
10/10/2018 11:48:37 AM

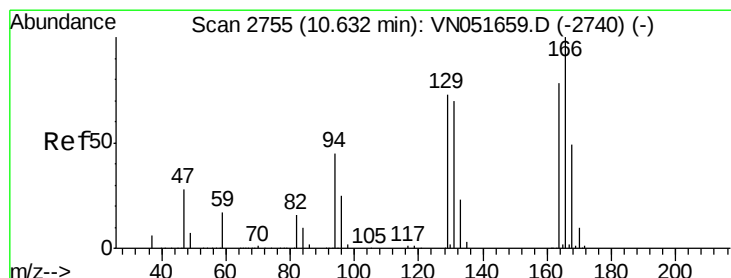
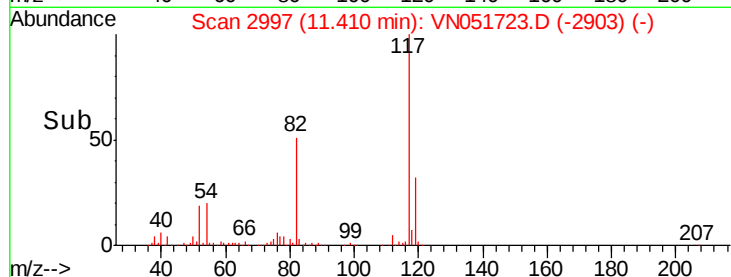
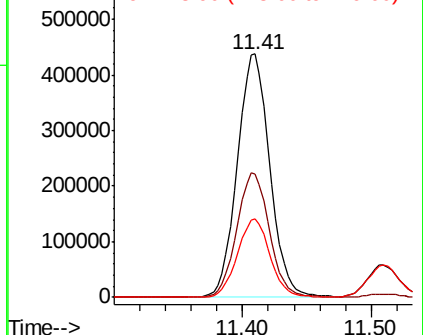


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 20.375 ug/l
RT: 10.63 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN051723.D
Acq: 8 Oct 2018 10:02

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	138215		
166	129.7		103.0	154.6
129	90.6		75.2	112.8
131	87.8		71.7	107.5

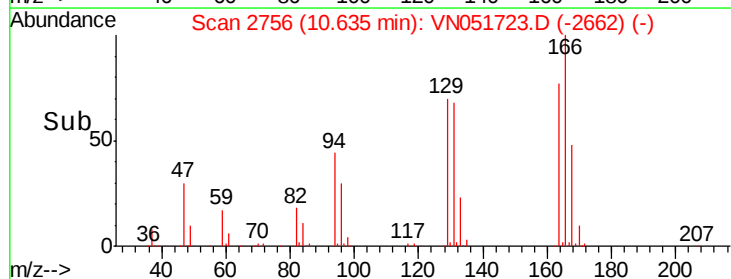
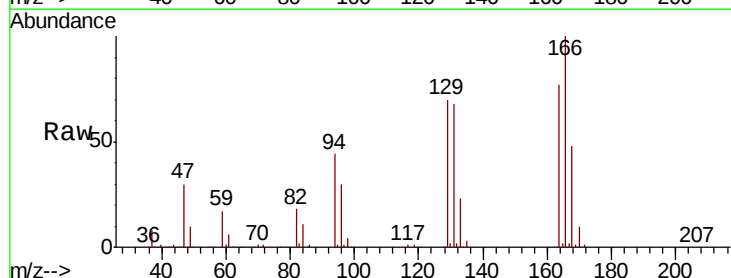
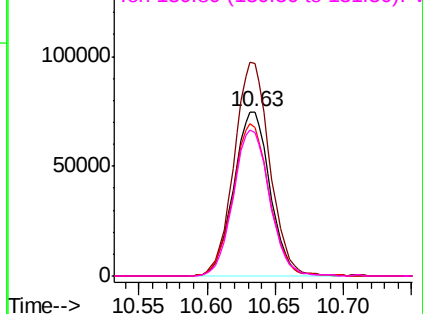
Abundance

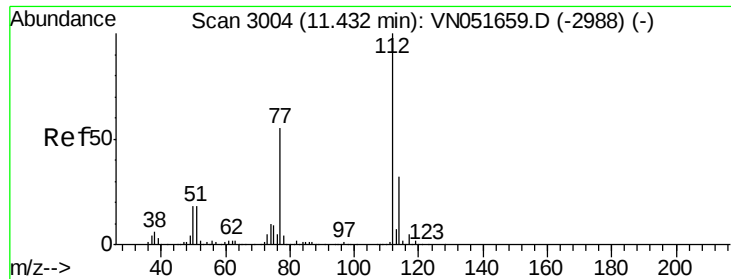
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





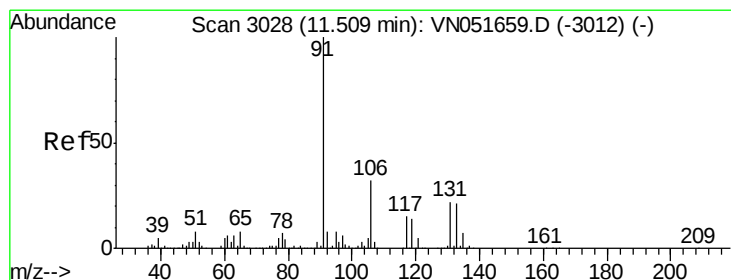
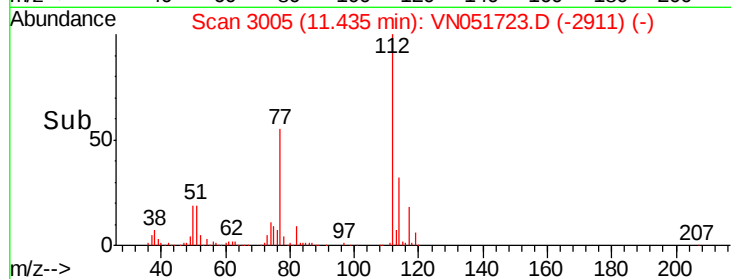
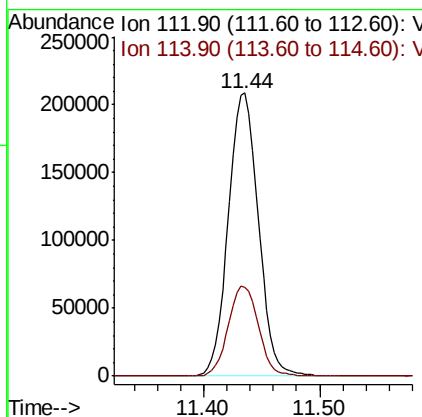
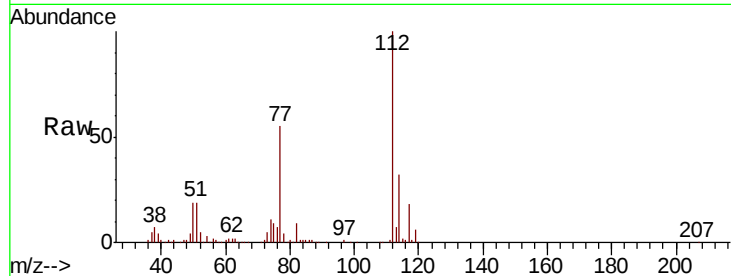
#65
Chlorobenzene
Concen: 19.718 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN051723.D
Acq: 8 Oct 2018 10:02

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.9	38.9

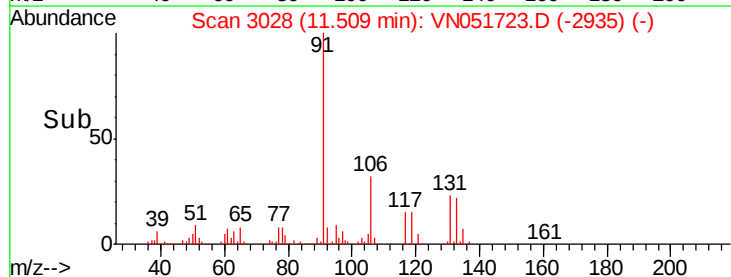
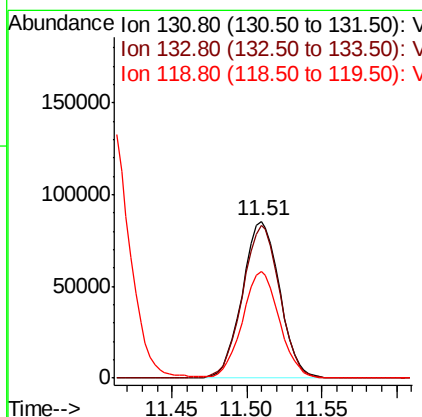
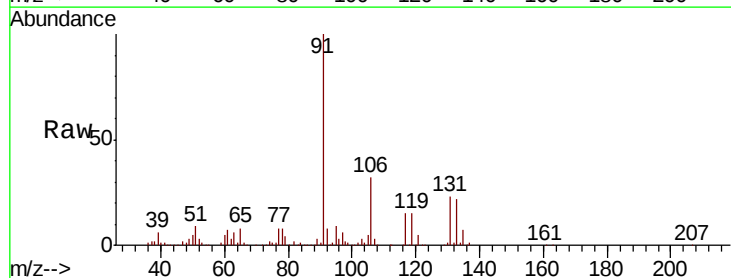
Manual Integrations
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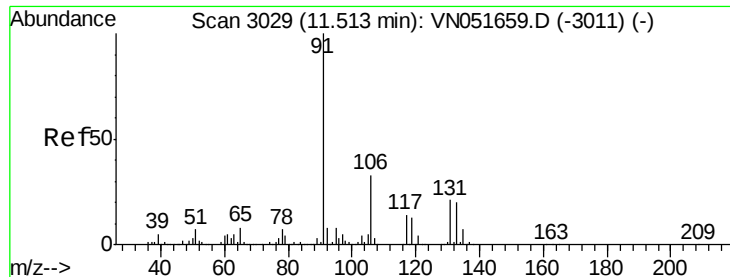
MMDadoda
10/10/2018 11:48:37 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.495 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051723.D
Acq: 8 Oct 2018 10:02

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.4	47.6	142.8
119	67.2	32.0	96.0





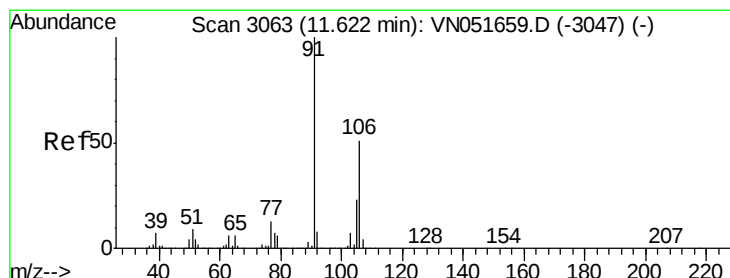
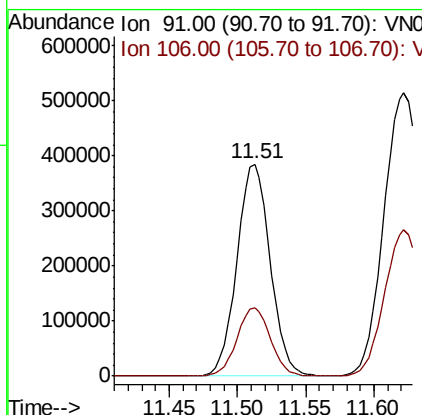
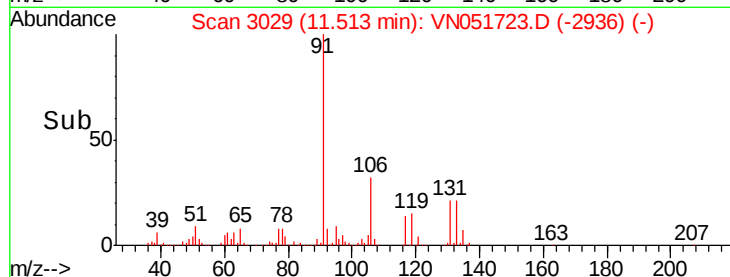
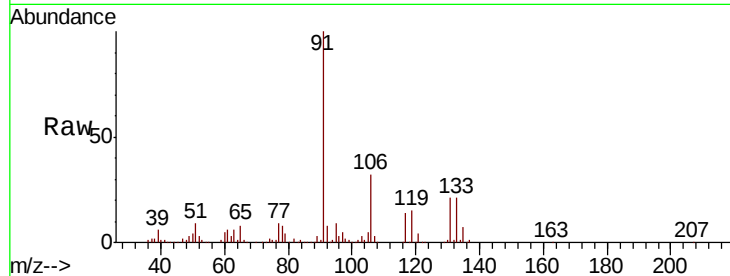
#67
Ethyl Benzene
Concen: 19.830 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN051723.D
Acq: 8 Oct 2018 10:02

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBS01

Tot Ion: 91 Resp: 652668
Ion Ratio Lower Upper
91 100
106 32.5 26.0 39.0

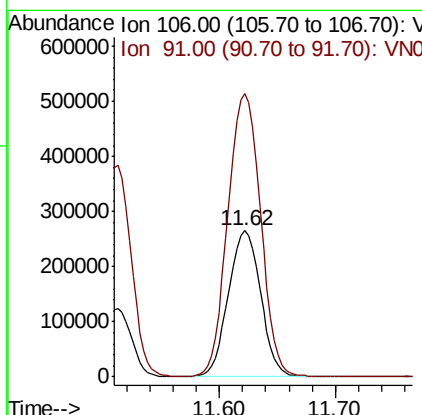
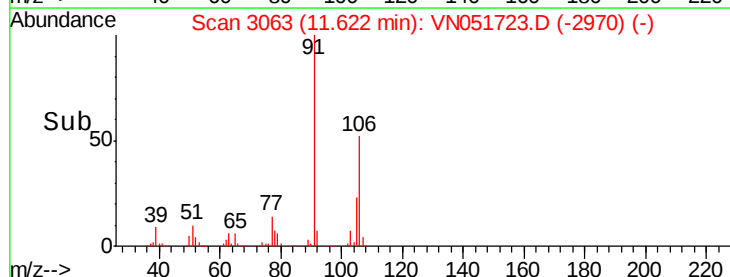
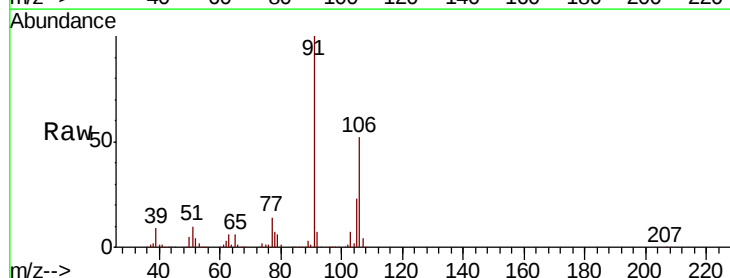
Manual Integrations
APPROVED

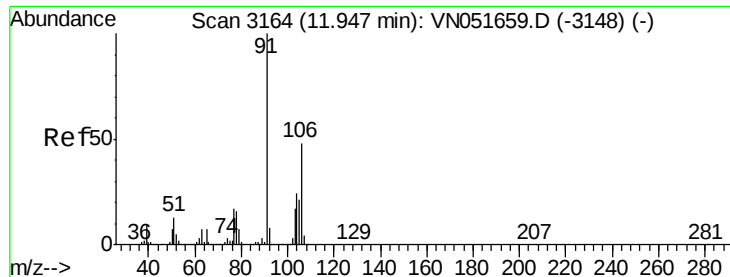
MMDadoda
10/10/2018 11:48:37 AM



#68
m/p-Xylenes
Concen: 38.936 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051723.D
Acq: 8 Oct 2018 10:02

Tgt Ion: 106 Resp: 512764
Ion Ratio Lower Upper
106 100
91 196.5 158.4 237.6





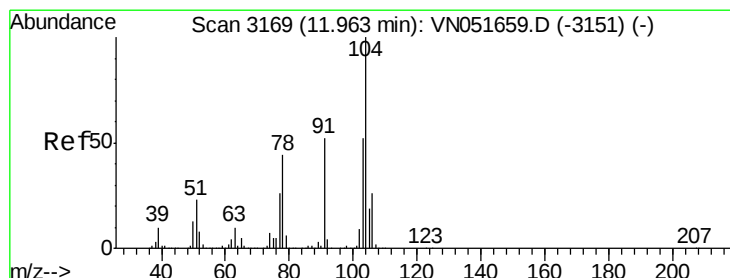
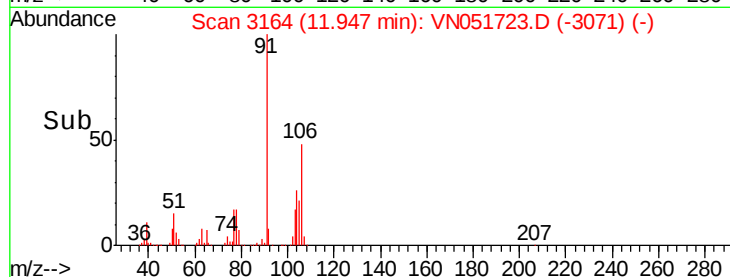
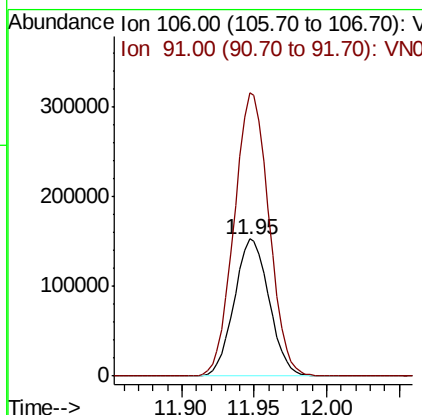
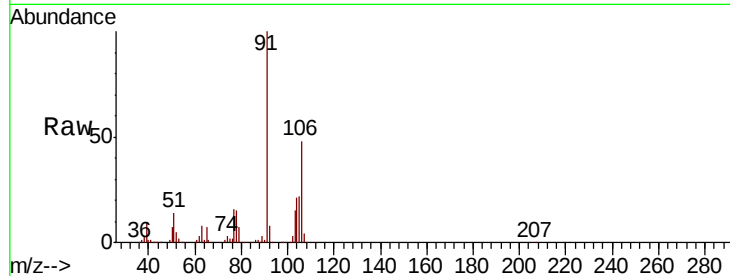
#69
o-Xylene
Concen: 19.784 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051723.D
Acq: 8 Oct 2018 10:02

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBS01

Tot Ion	Ion	Ratio	Lower	Upper
255512	106	100		
	91	206.9	104.4	313.2

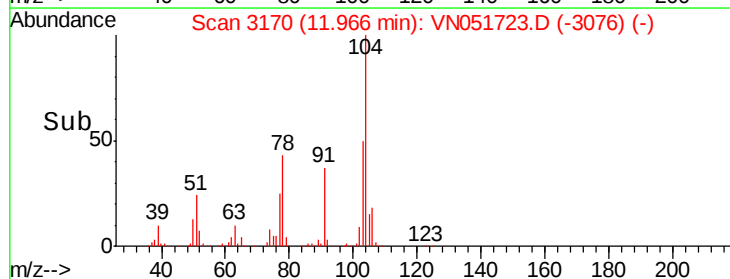
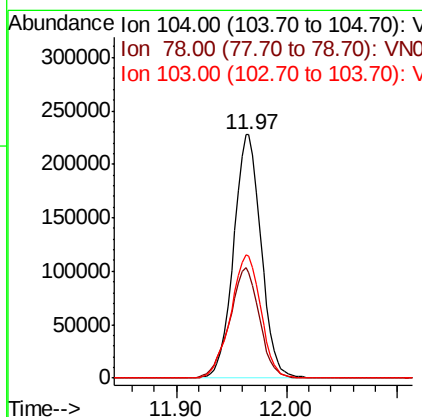
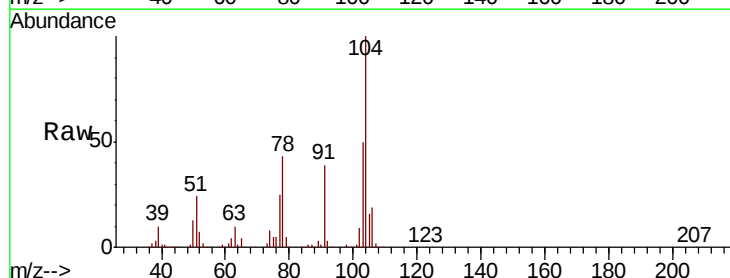
Manual Integrations
APPROVED

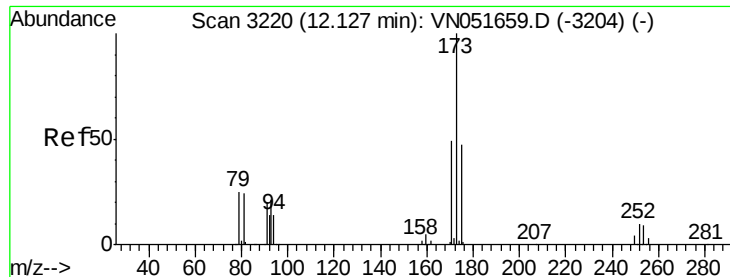
MMDadoda
10/10/2018 11:48:37 AM



#70
Styrene
Concen: 19.067 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN051723.D
Acq: 8 Oct 2018 10:02

Tgt Ion	Ion	Ratio	Lower	Upper
392401	104	100		
	78	49.4	39.3	58.9
	103	55.5	45.0	67.6





#71

Bromoform

Concen: 18.748 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

Instrument :

MSVOA_N

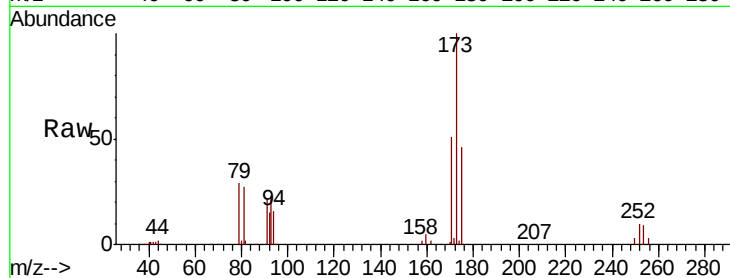
ClientSampleId :

VN1008WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.3	24.0	72.0
254	0.0	0.1	0.1

Manual Integrations
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10/10/2018 11:48:37 AM

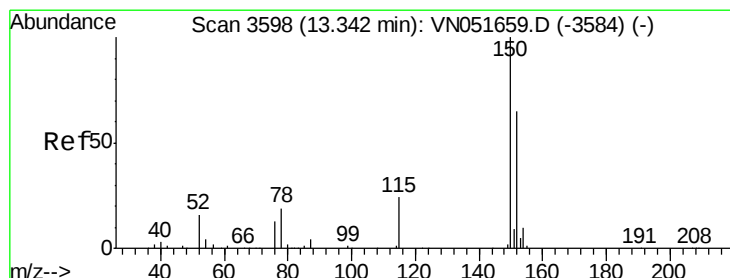
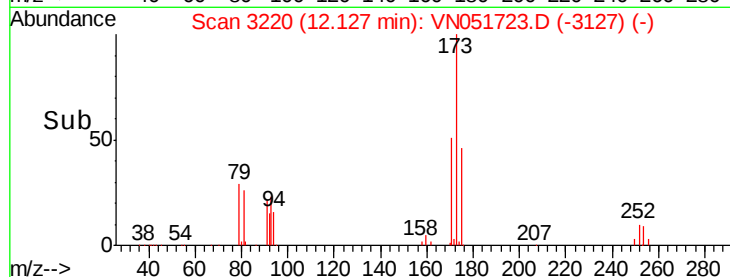
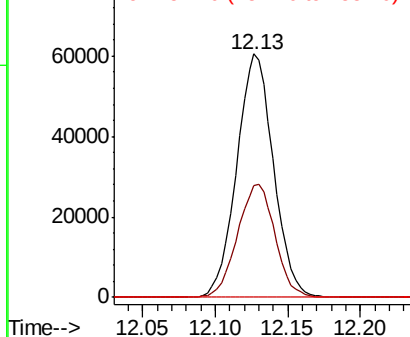


Abundance

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

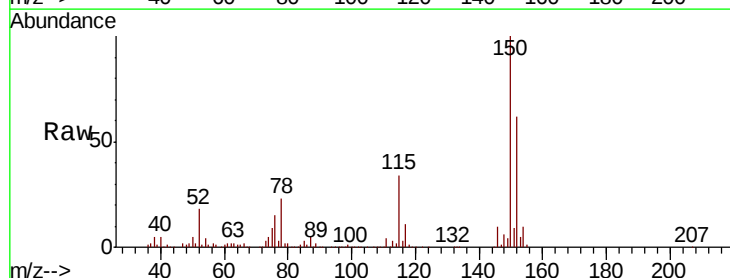
RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.2	28.6	85.8
150	164.7	0.0	352.4

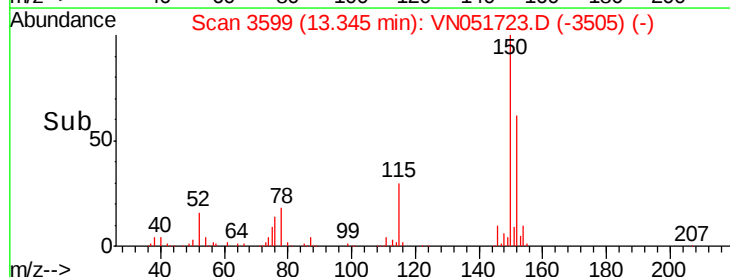
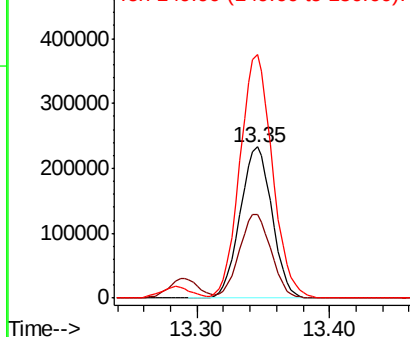


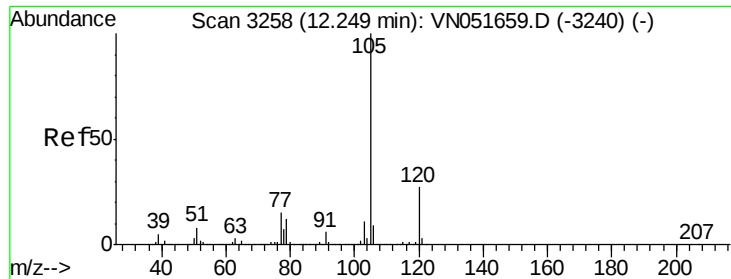
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





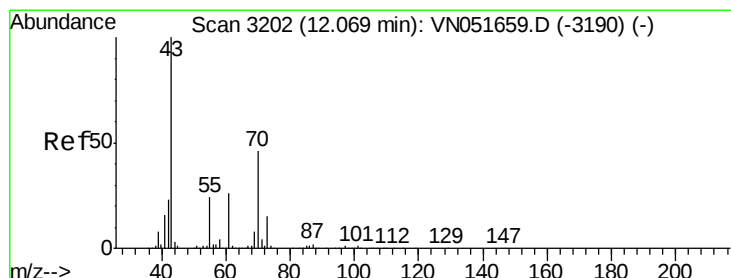
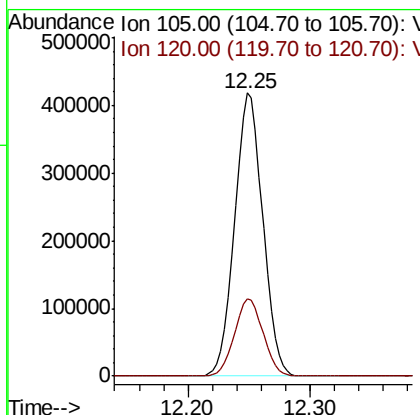
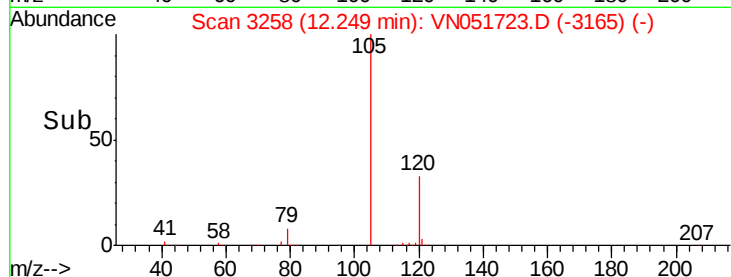
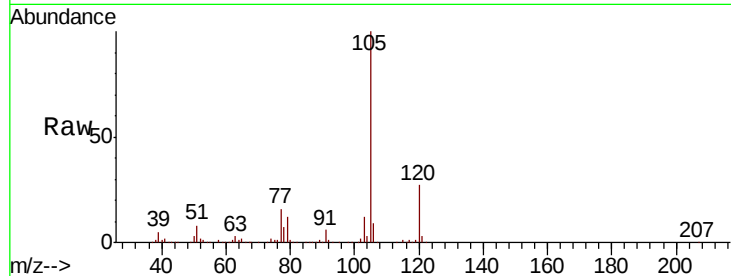
#73
Isopropylbenzene
Concen: 20.219 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051723.D
Acq: 8 Oct 2018 10:02

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.5	13.9	41.6

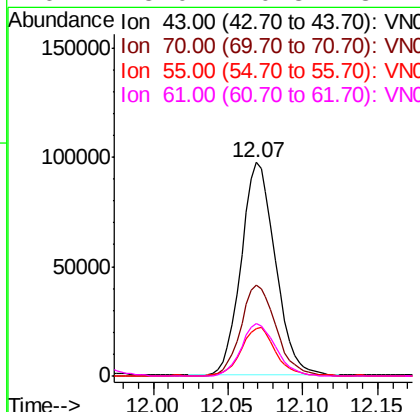
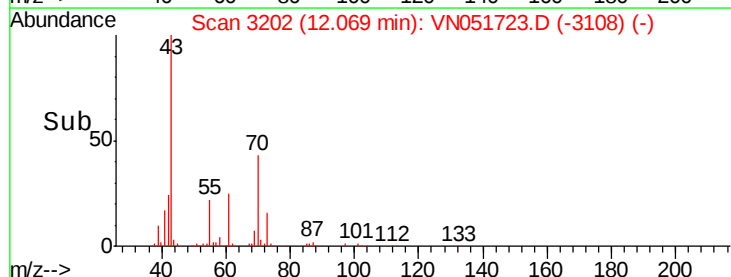
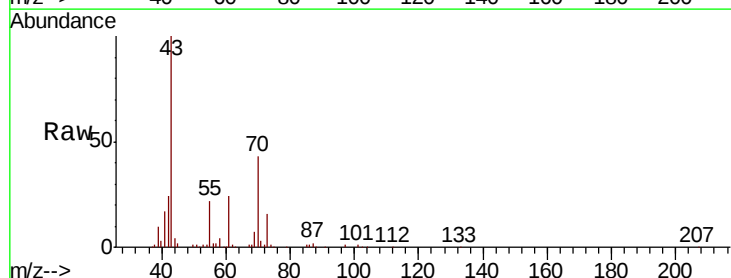
Manual Integrations
APPROVED

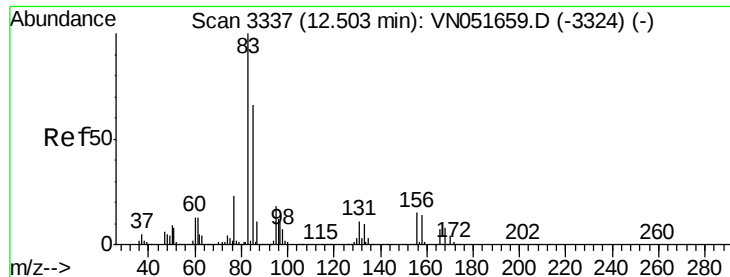
MMDadoda
10/10/2018 11:48:37 AM



#74
N-ethyl acetate
Concen: 20.733 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN051723.D
Acq: 8 Oct 2018 10:02

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.3	37.1	55.7
55	23.1	19.1	28.7
61	25.0	20.8	31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 21.171 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

Instrument :

MSVOA_N

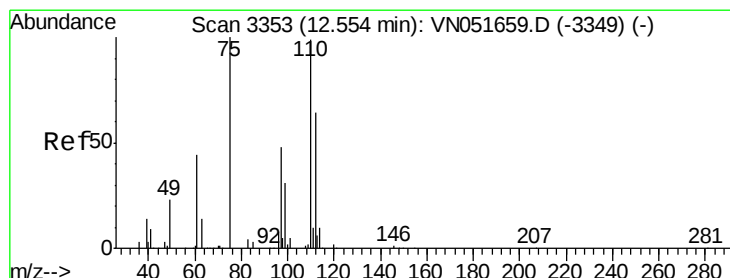
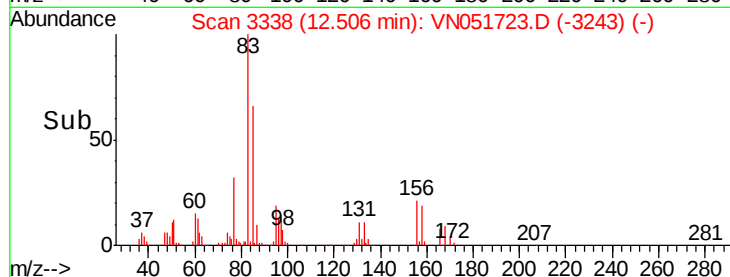
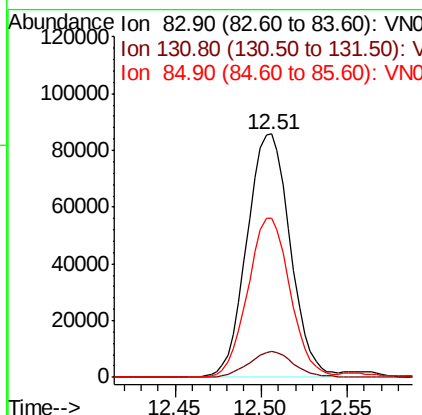
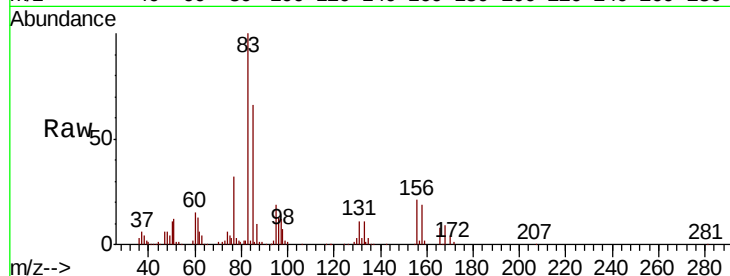
ClientSampleId :

VN1008WBS01

Tot Ion:	83	Resp:	150066
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.7	17.1
85	64.2	33.0	98.9

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#76

1,2,3-Trichloropropane

Concen: 27.686 ug/l m

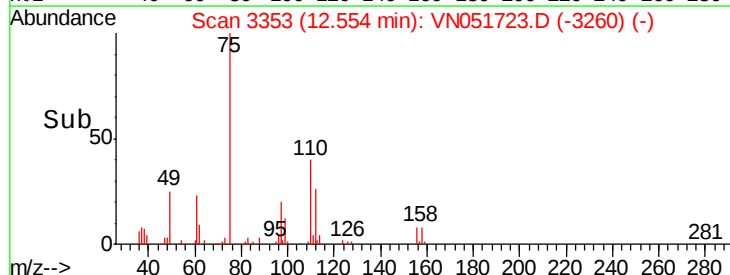
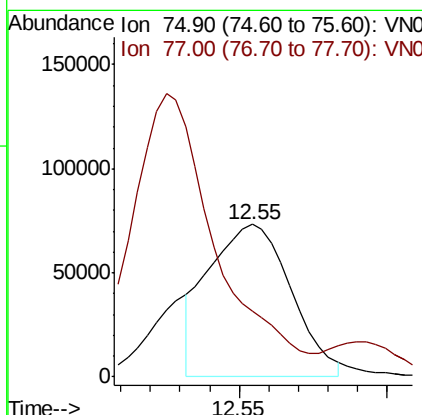
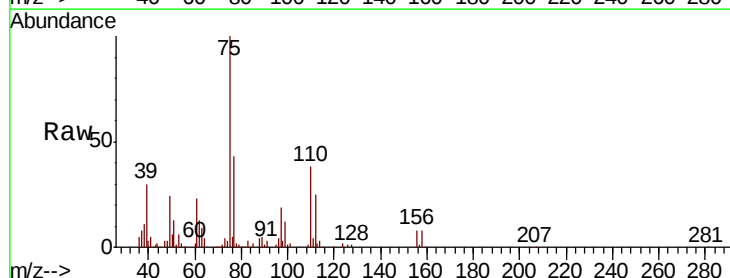
RT: 12.55 min Scan# 3353

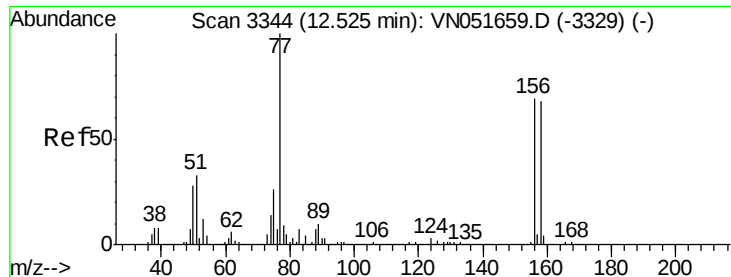
Delta R.T. 0.00 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

Tgt Ion:	75	Resp:	142295
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.741 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

Instrument :

MSVOA_N

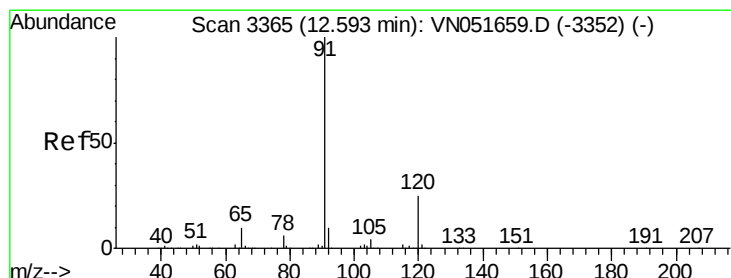
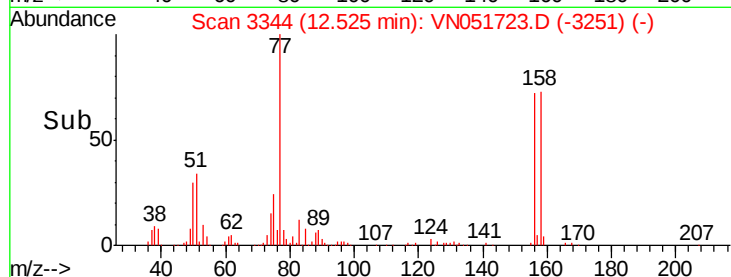
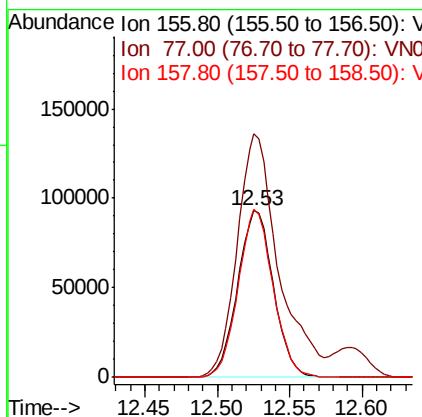
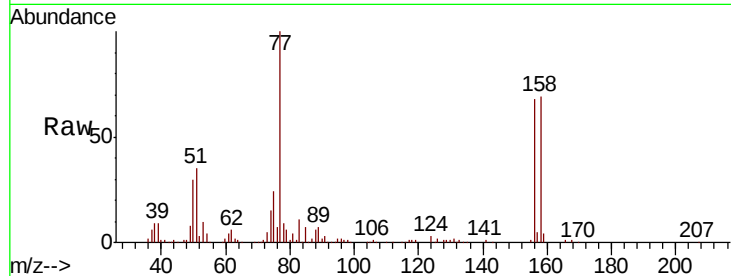
ClientSampleId :

VN1008WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	169.0	83.2	249.4
158	97.9	49.0	147.2

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#78

n-propylbenzene

Concen: 20.113 ug/l

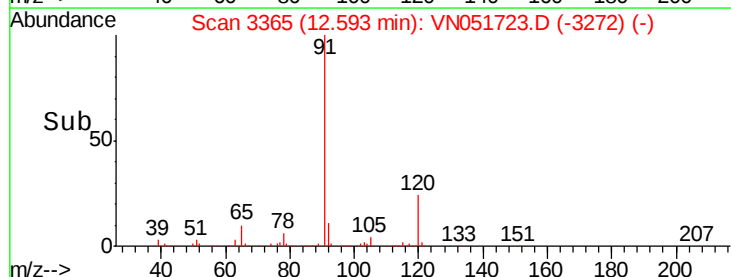
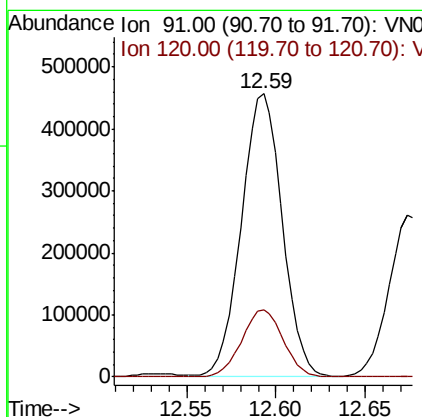
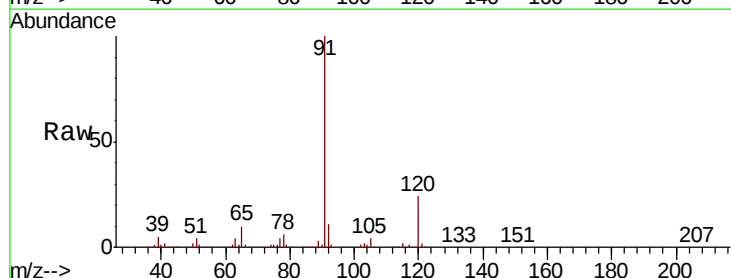
RT: 12.59 min Scan# 3365

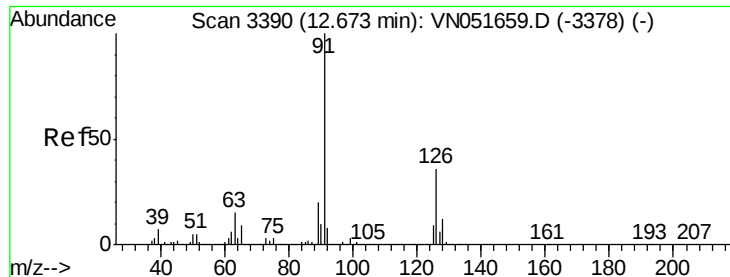
Delta R.T. 0.00 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.1	12.4	37.2





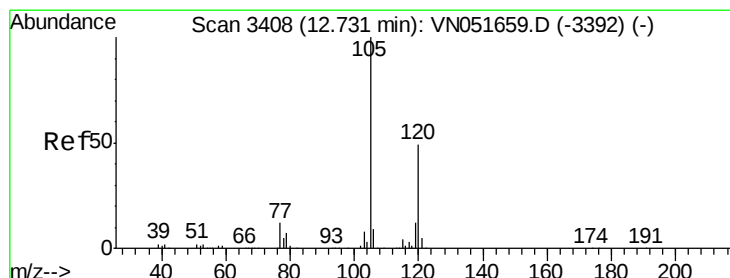
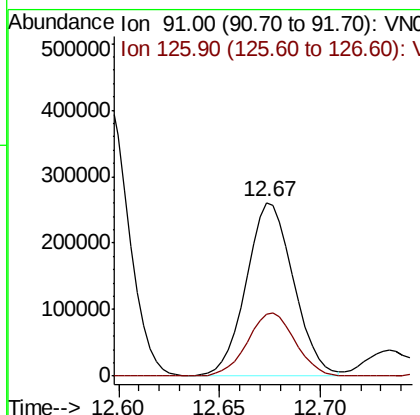
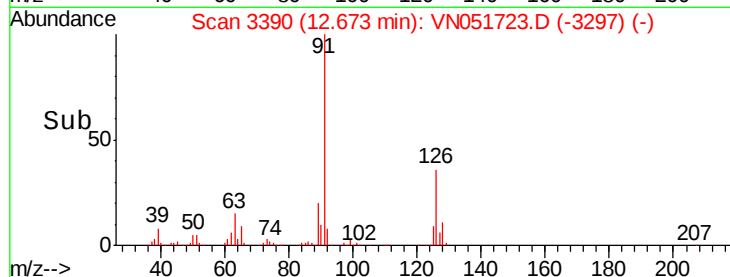
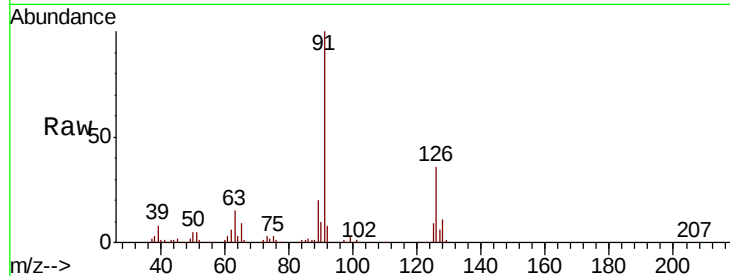
#79
 2-Chlorotoluene
 Concen: 20.013 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN051723.D
 Acq: 8 Oct 2018 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBS01

Tot Ion: 91 Resp: 425463
 Ion Ratio Lower Upper
 91 100
 126 37.1 18.5 55.5

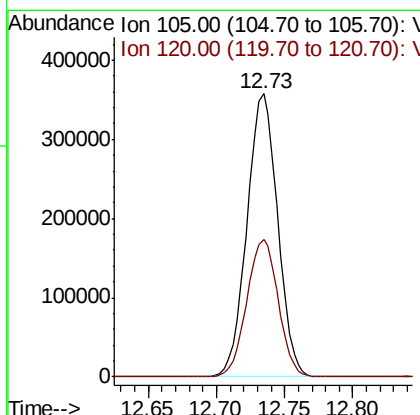
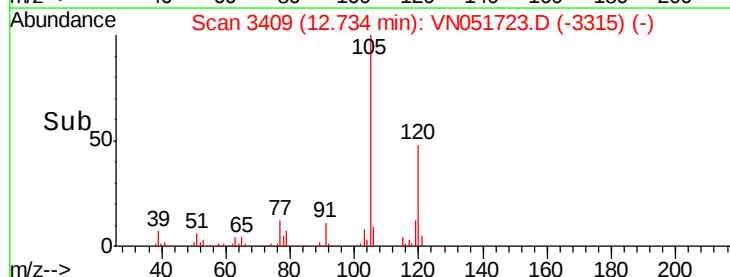
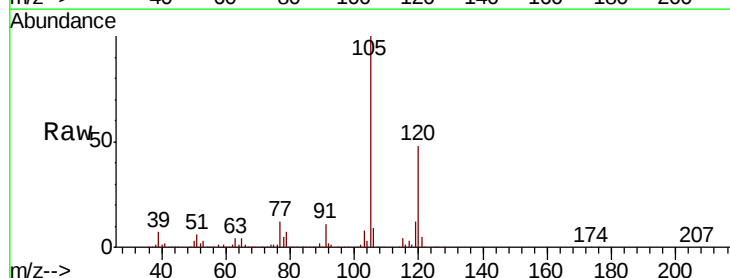
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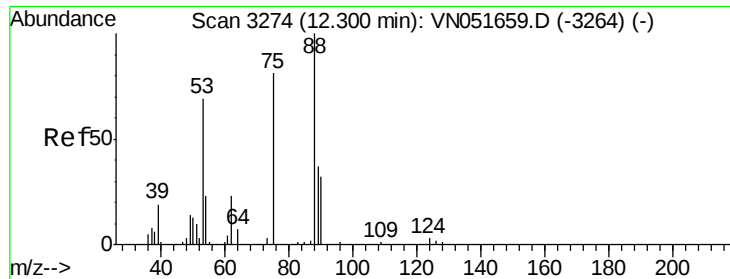
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.054 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN051723.D
 Acq: 8 Oct 2018 10:02

Tgt Ion: 105 Resp: 558923
 Ion Ratio Lower Upper
 105 100
 120 49.6 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 18.526 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

Instrument :

MSVOA_N

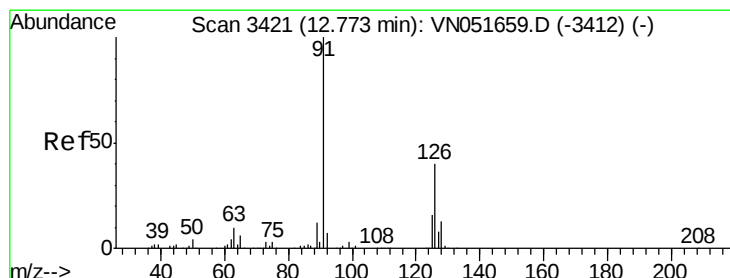
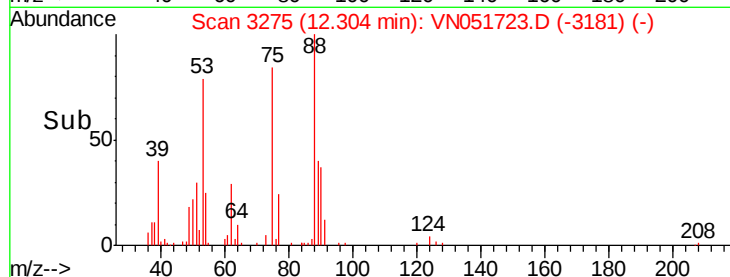
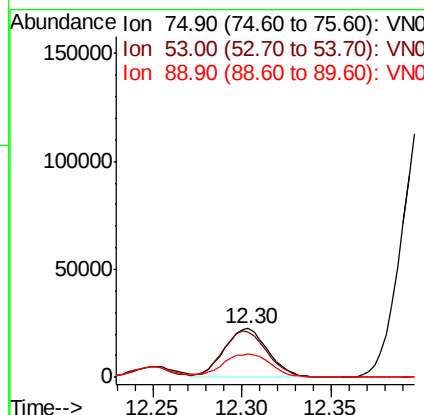
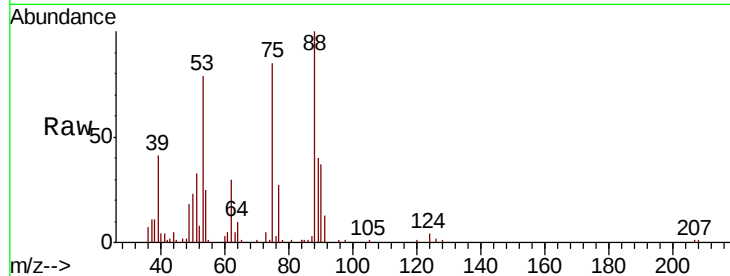
ClientSampleId :

VN1008WBS01

Tot Ion:	75	Resp:	39102
Ion	Ratio	Lower	Upper
75	100		
53	95.8	68.6	102.8
89	51.0	39.4	59.2

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#82

4-Chlorotoluene

Concen: 19.345 ug/l

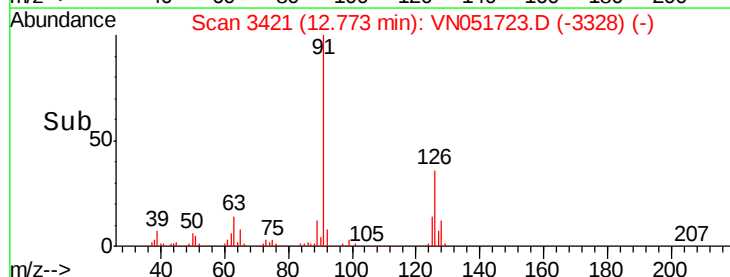
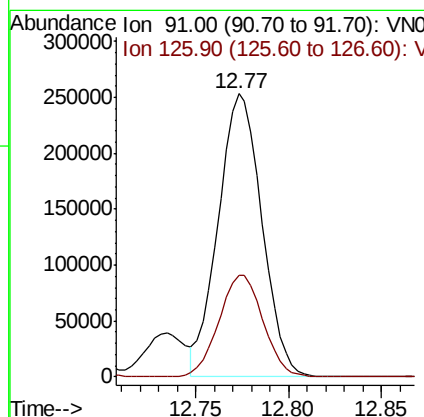
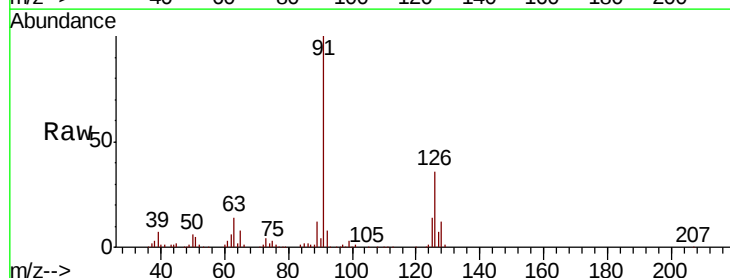
RT: 12.77 min Scan# 3421

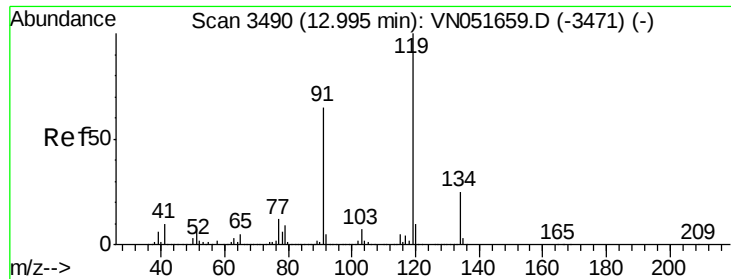
Delta R.T. 0.00 min

Lab File: VN051723.D

Acq: 8 Oct 2018 10:02

Tgt Ion:	91	Resp:	413140
Ion	Ratio	Lower	Upper
91	100		
126	36.5	18.0	54.0





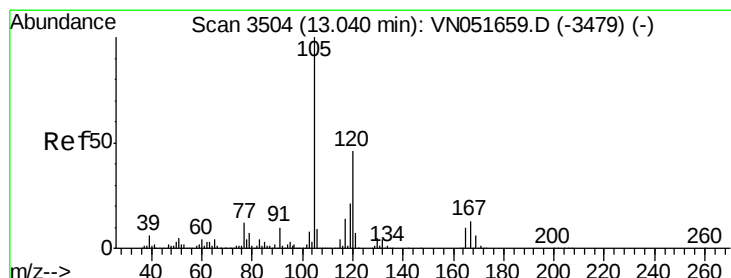
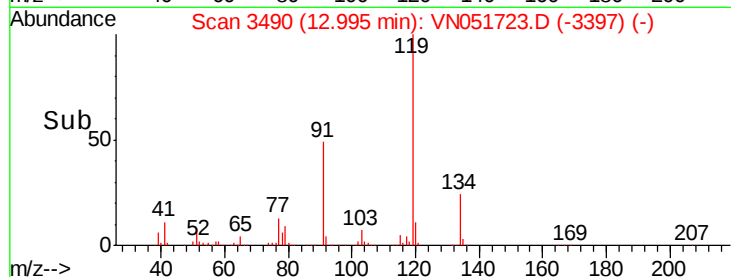
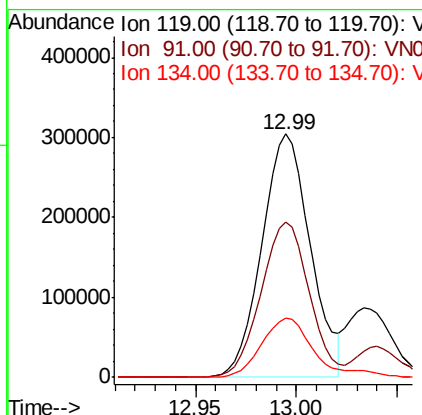
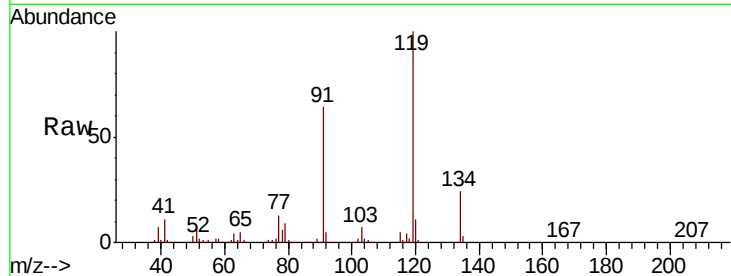
#83
 tert-Butylbenzene
 Concen: 20.397 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051723.D
 Acq: 8 Oct 2018 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	509403		
91	63.5		32.1	96.5
134	26.4		13.3	39.9

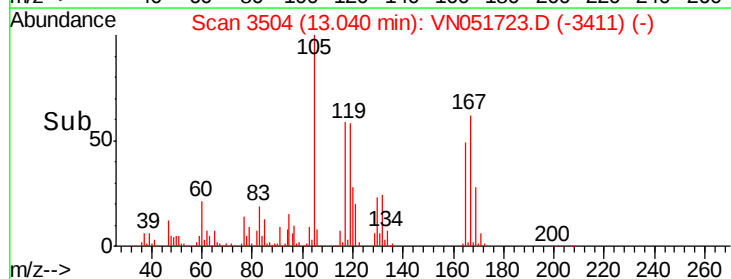
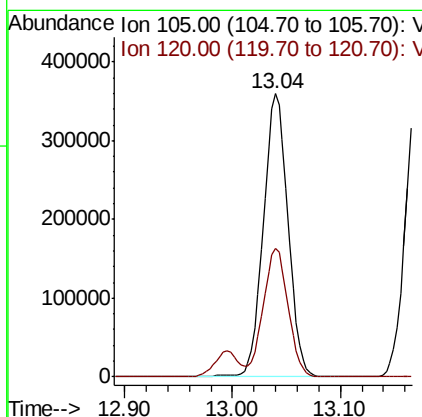
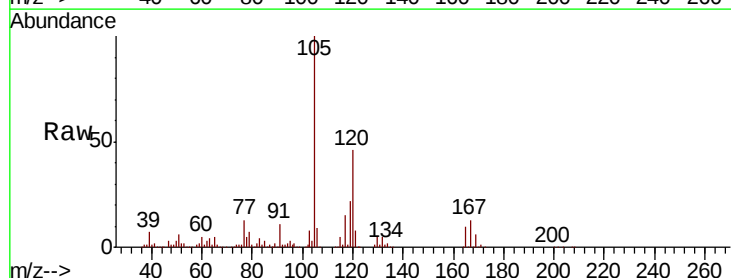
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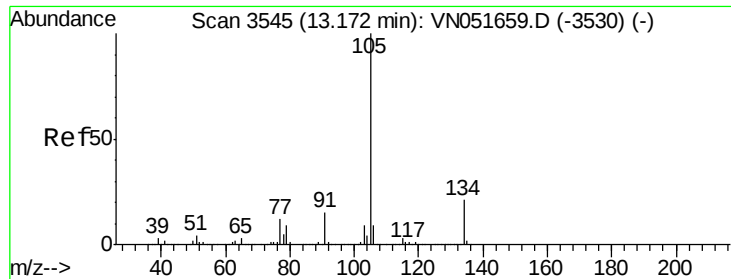
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.390 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051723.D
 Acq: 8 Oct 2018 10:02

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	569244		
120	45.9		22.9	68.7





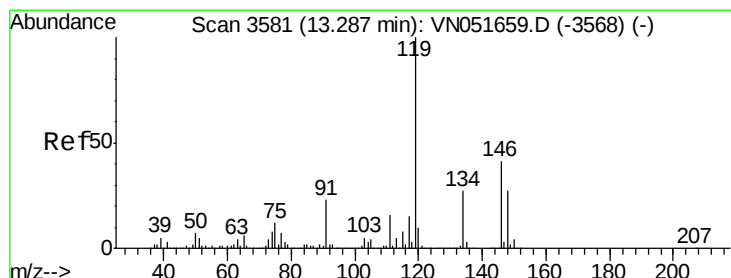
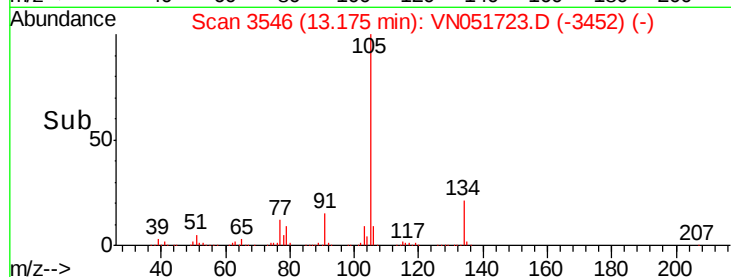
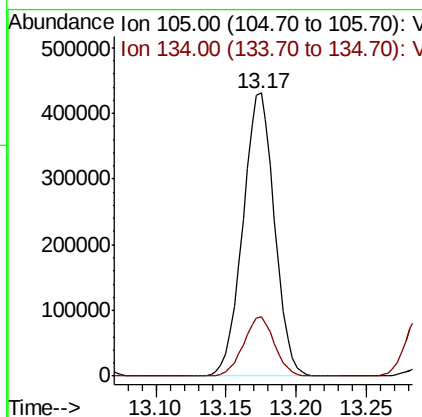
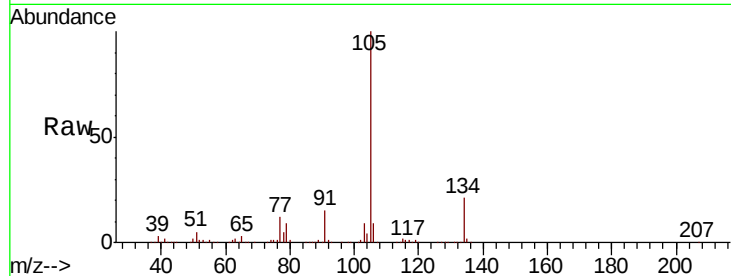
#85
 sec-Butylbenzene
 Concen: 20.499 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN051723.D
 Acq: 8 Oct 2018 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.5	10.5	31.6

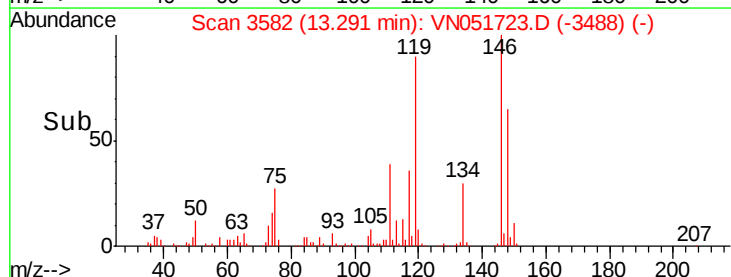
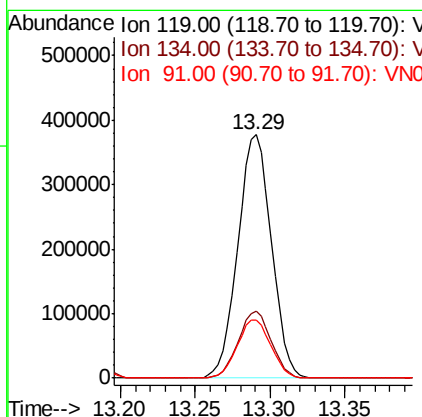
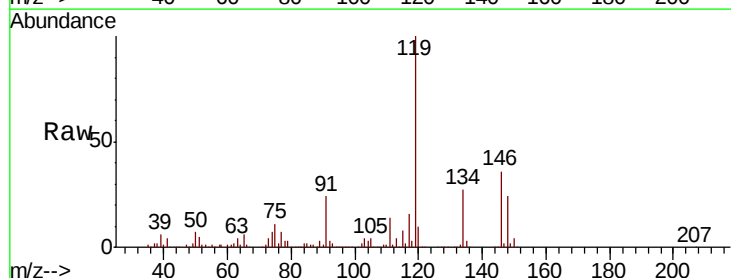
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#86
 p-Isopropyltoluene
 Concen: 20.056 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN051723.D
 Acq: 8 Oct 2018 10:02

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.2	13.4	40.2
91	24.0	11.7	35.1





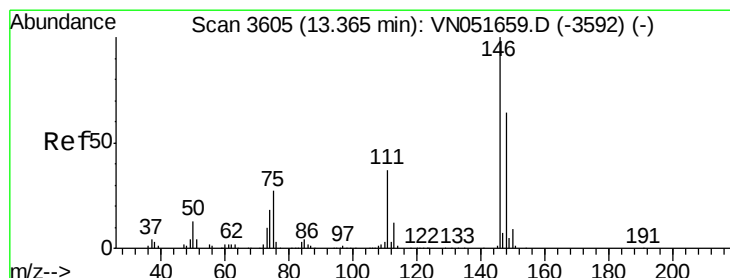
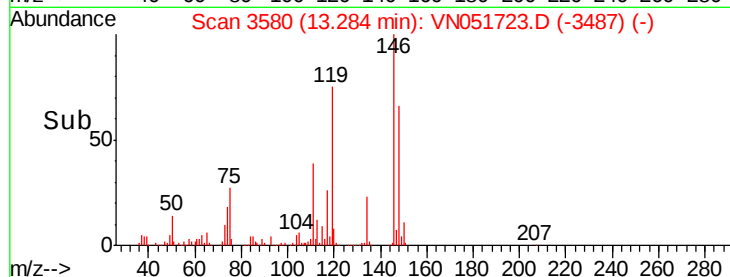
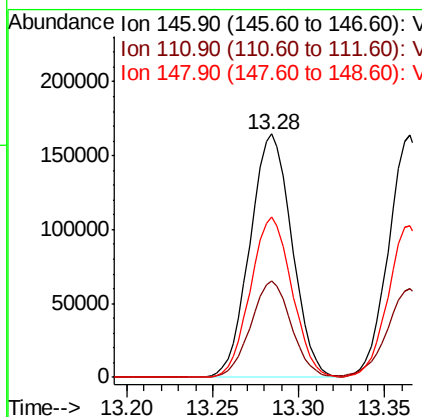
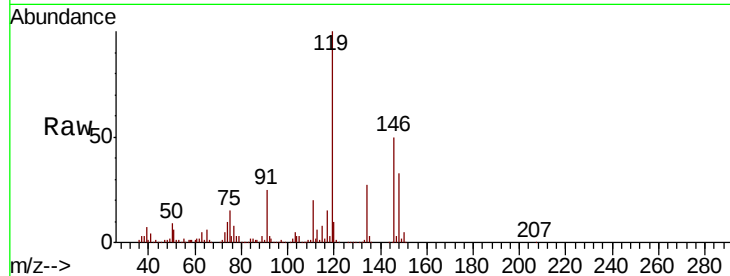
#87
 1,3-Dichlorobenzene
 Concen: 19.785 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051723.D
 Acq: 8 Oct 2018 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	278795		
111	38.1	19.3	57.9	
148	65.0	32.5	97.5	

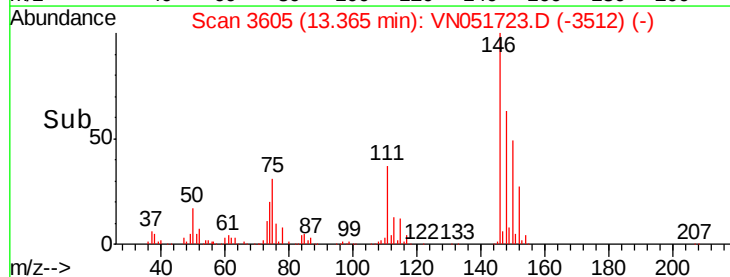
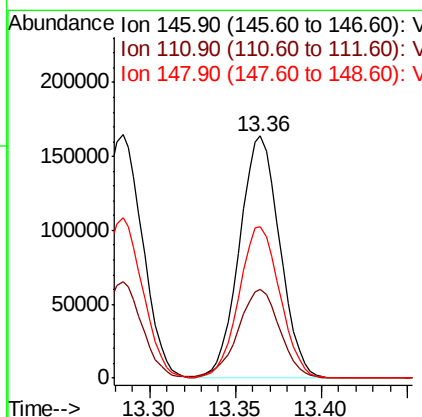
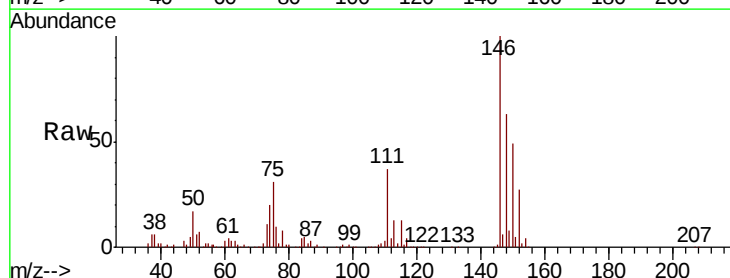
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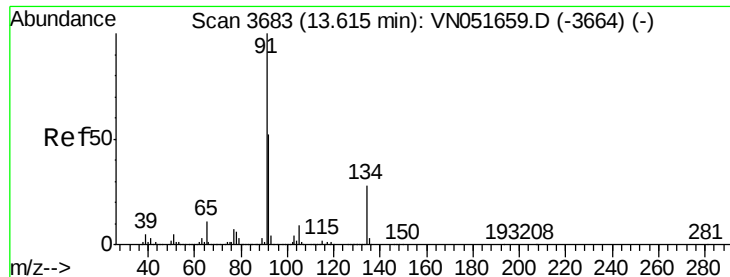
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#88
 1,4-Dichlorobenzene
 Concen: 19.327 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051723.D
 Acq: 8 Oct 2018 10:02

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	268062		
111	38.1	18.6	55.8	
148	63.6	32.3	96.8	





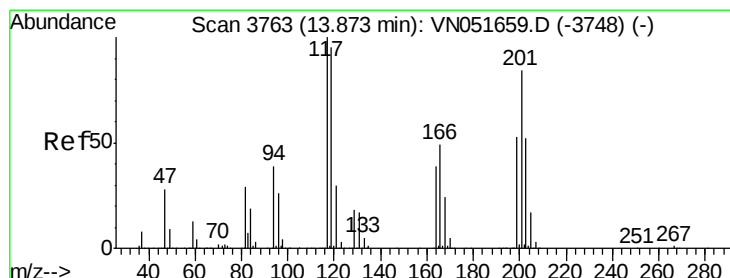
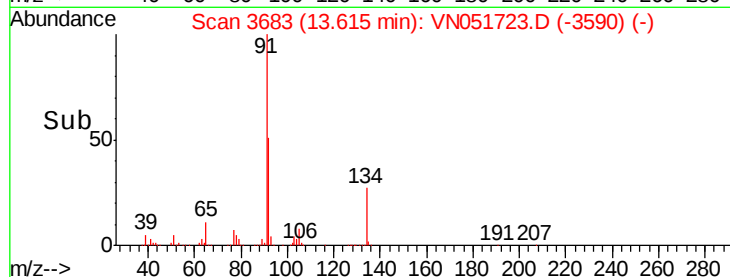
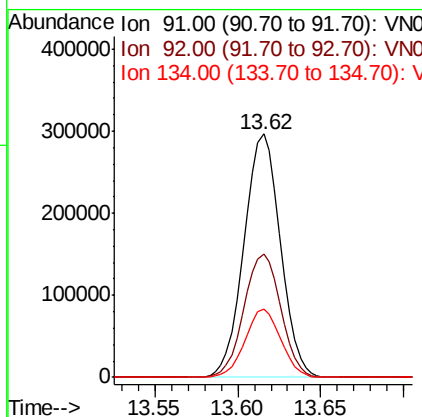
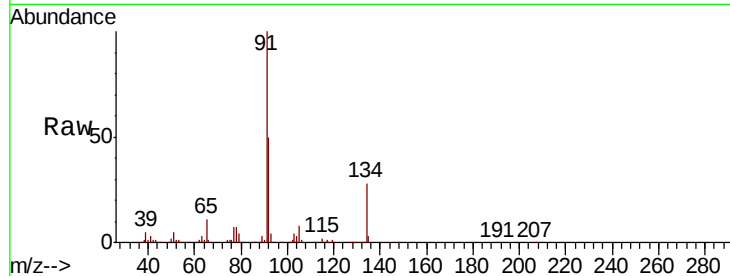
#89
n-Butylbenzene
Concen: 19.621 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051723.D
Acq: 8 Oct 2018 10:02

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	26.0	78.0
134	27.6	14.2	42.6

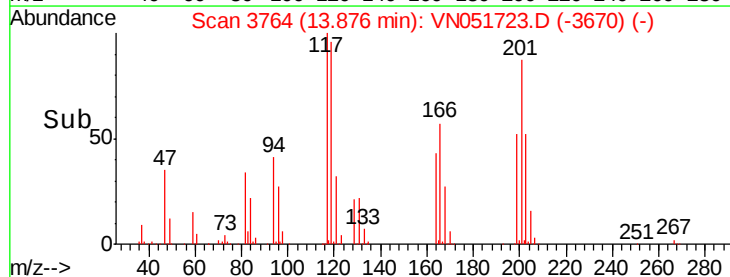
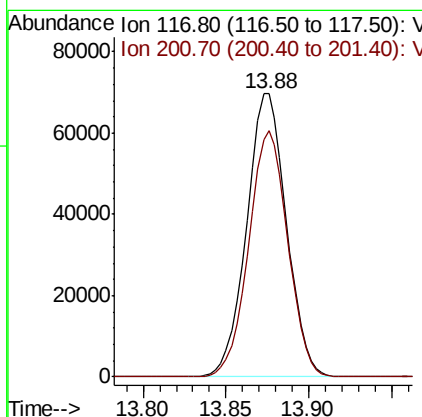
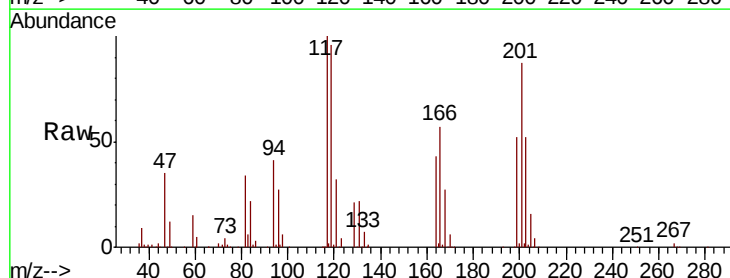
Manual Integrations
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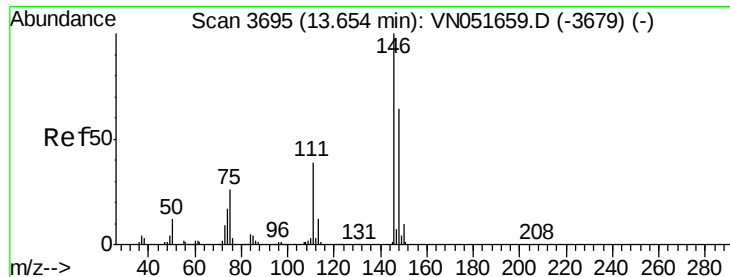
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#90
Hexachloroethane
Concen: 19.853 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN051723.D
Acq: 8 Oct 2018 10:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.3	42.4	127.3





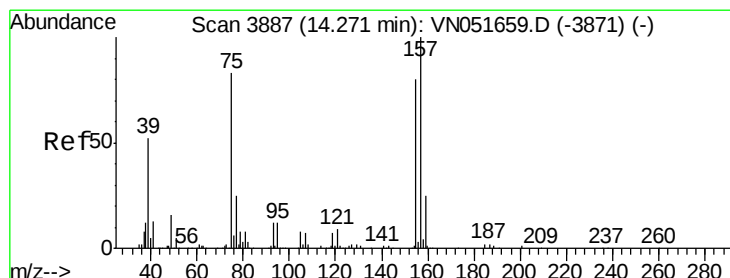
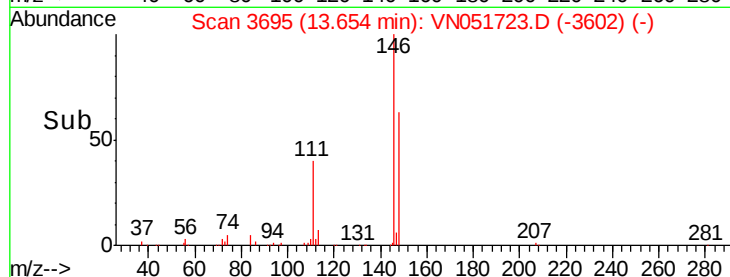
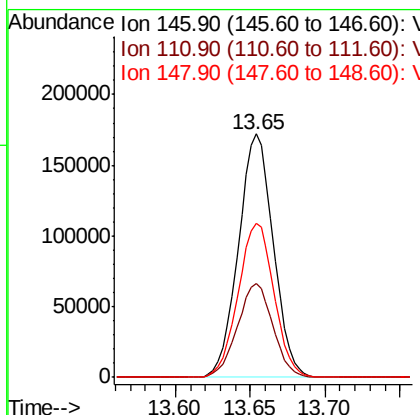
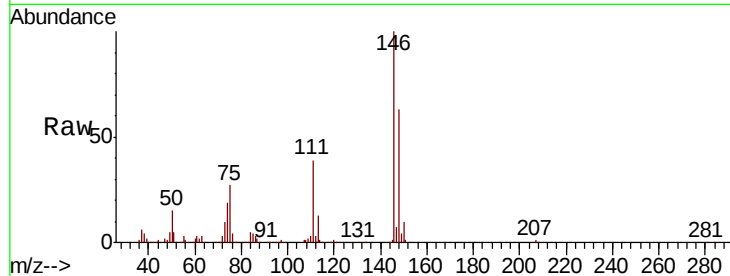
#91
 1,2-Dichlorobenzene
 Concen: 19.891 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051723.D
 Acq: 8 Oct 2018 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.7	59.0
148	65.1	32.1	96.3

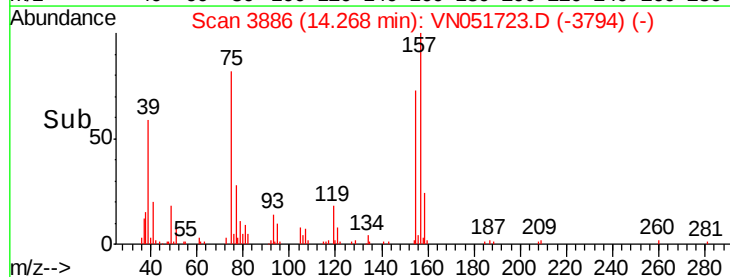
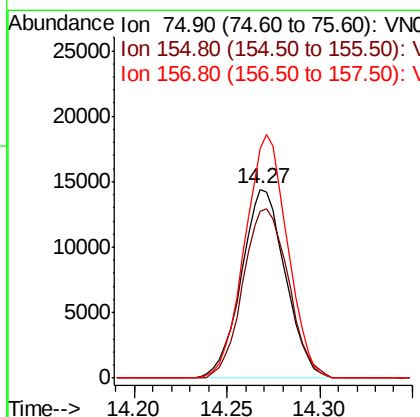
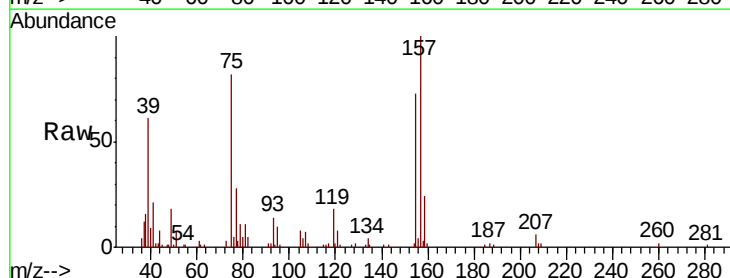
Manual Integrations
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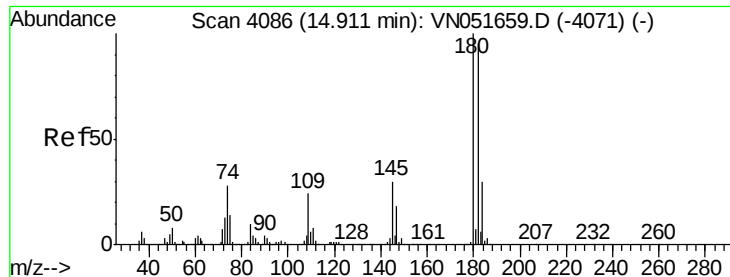
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.437 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN051723.D
 Acq: 8 Oct 2018 10:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.4	47.6	142.9
157	124.8	61.7	185.1





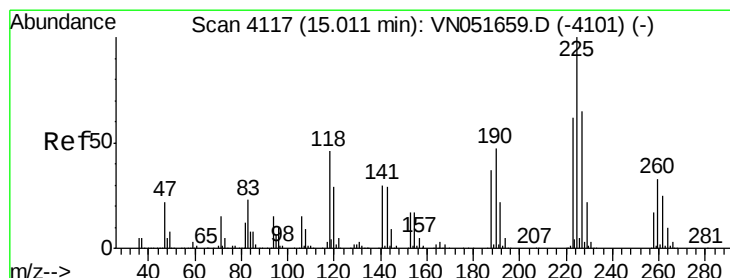
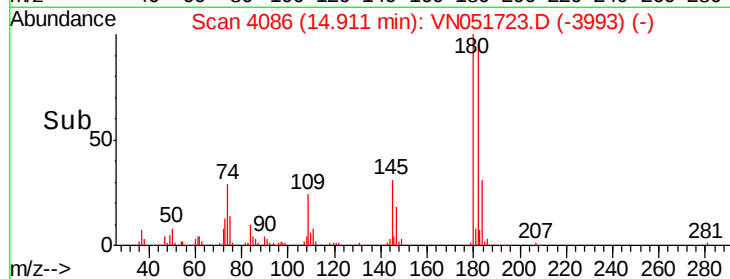
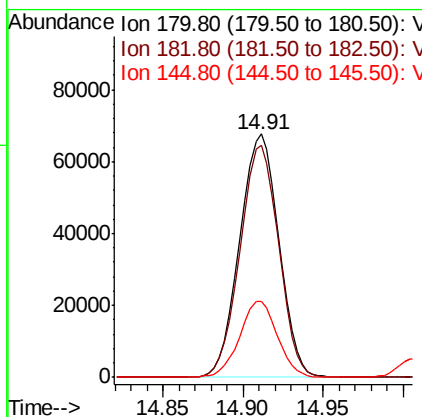
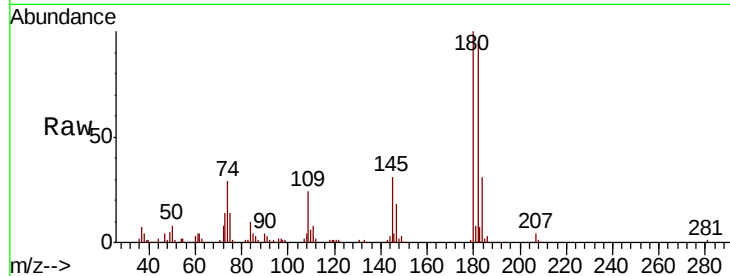
#93
 1,2,4-Trichlorobenzene
 Concen: 18.126 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051723.D
 Acq: 8 Oct 2018 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	112986		
182	93.9	47.7	143.1	
145	30.1	15.3	45.9	

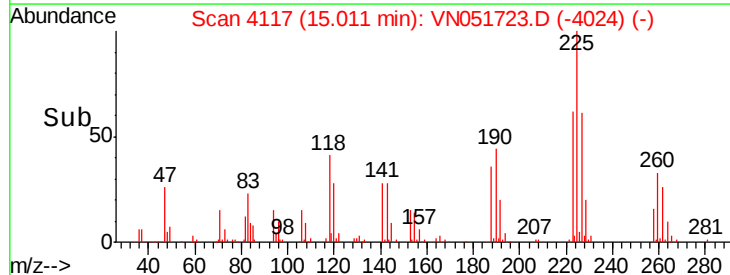
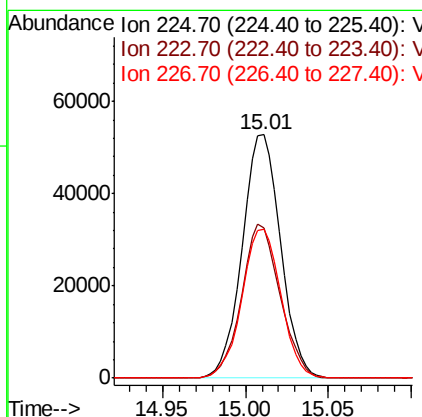
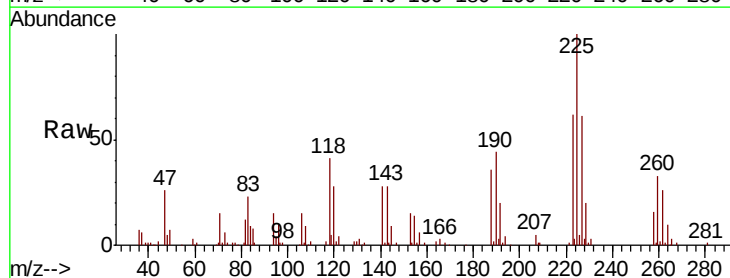
Manual Integrations
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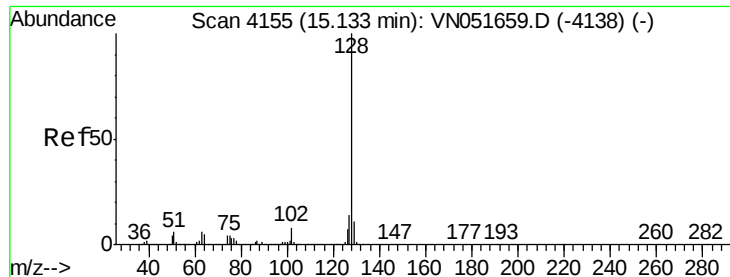
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 10/10/2018 11:48:37 AM



#94
 Hexachlorobutadiene
 Concen: 20.095 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051723.D
 Acq: 8 Oct 2018 10:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	84985		
223	63.5	31.9	95.5	
227	62.2	31.7	95.1	





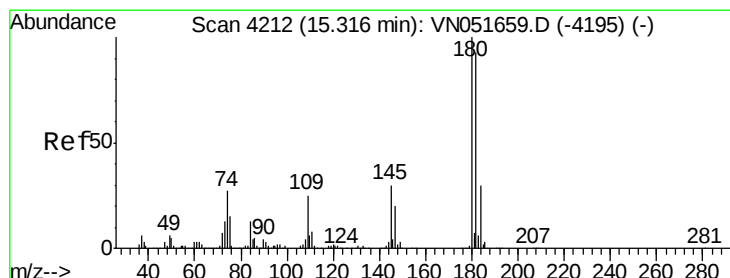
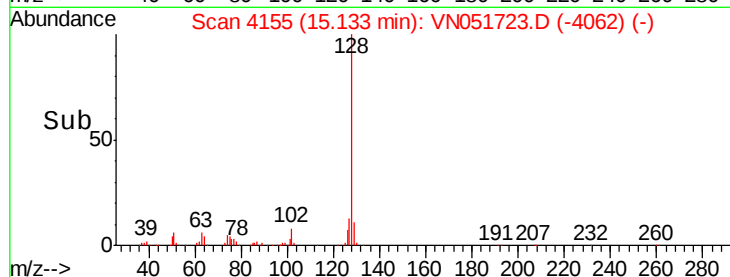
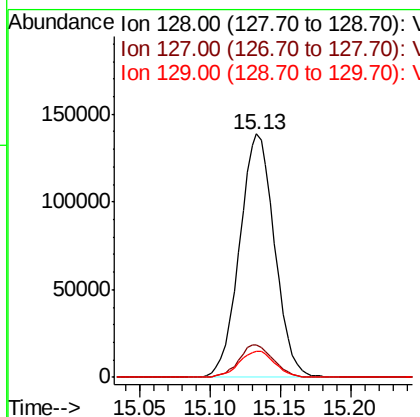
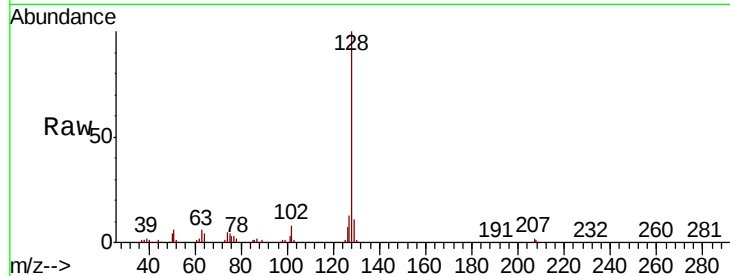
#95
Naphthalene
Concen: 17.923 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN051723.D
Acq: 8 Oct 2018 10:02

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	11.0	9.0	13.6

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.167 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN051723.D
Acq: 8 Oct 2018 10:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.3	47.3	141.8
145	30.5	15.6	46.8

