

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021319\
 Data File : VN053759.D
 Acq On : 13 Feb 2019 17:02
 Operator : JC/SP
 Sample : VN0213WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0213WBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/14/2019 10:39:13 AM

Quant Time: Feb 14 01:14:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	605044	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	945912	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	819137	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	378375	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	336912	55.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.02%	
35) Dibromofluoromethane	7.59	113	319729	53.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.98%	
50) Toluene-d8	10.09	98	1147964	51.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.30%	
62) 4-Bromofluorobenzene	12.40	95	377934	50.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.98%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	117661	17.471	ug/l	100
3) Chloromethane	2.06	50	135591	18.876	ug/l	99
4) Vinyl Chloride	2.19	62	145265	20.833	ug/l	100
5) Bromomethane	2.57	94	102691	22.524	ug/l	97
6) Chloroethane	2.71	64	93770	23.533	ug/l	100
7) Trichlorofluoromethane	3.02	101	202455	21.411	ug/l	98
8) Diethyl Ether	3.41	74	76933	22.278	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	117672	20.122	ug/l	96
10) Methyl Iodide	3.96	142	174916	19.057	ug/l	100
11) Tert butyl alcohol	4.78	59	40541	112.857	ug/l #	89
12) 1,1-Dichloroethene	3.74	96	116308	20.759	ug/l	98
13) Acrolein	3.61	56	18572	94.958	ug/l	95
14) Allyl chloride	4.33	41	170915	19.159	ug/l	99
15) Acrylonitrile	4.99	53	220304	113.602	ug/l	99
16) Acetone	3.82	43	157087	100.897	ug/l	98
17) Carbon Disulfide	4.06	76	299925	17.192	ug/l	98
18) Methyl Acetate	4.32	43	116683	25.306	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	306280	21.564	ug/l	99
20) Methylene Chloride	4.55	84	129054	19.758	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	114638	18.965	ug/l	96
22) Diisopropyl ether	5.95	45	340778	20.616	ug/l	95
23) Vinyl Acetate	5.90	43	1180761	103.258	ug/l	99
24) 1,1-Dichloroethane	5.85	63	220090	19.962	ug/l	99
25) 2-Butanone	6.83	43	232222	104.581	ug/l	99
26) 2,2-Dichloropropane	6.82	77	146708	17.432	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	136618	20.326	ug/l	97
28) Bromochloromethane	7.20	49	102032	21.326	ug/l	95
29) Tetrahydrofuran	7.21	42	159448	111.827	ug/l	96
30) Chloroform	7.37	83	223589	20.458	ug/l	97
31) Cyclohexane	7.65	56	183864	17.803	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	185225	20.365	ug/l	98
36) 1,1-Dichloropropene	7.80	75	157478	18.469	ug/l	98
37) Ethyl Acetate	6.93	43	108941	22.876	ug/l	99
38) Carbon Tetrachloride	7.78	117	160642	18.701	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	167462	16.554	ug/l	100
40) Benzene	8.04	78	503304	19.141	ug/l	99
41) Methacrylonitrile	7.17	41	39803m	14.954	ug/l	
42) 1,2-Dichloroethane	8.12	62	153120	19.612	ug/l	98
43) Isopropyl Acetate	8.17	43	194817	21.183	ug/l	97
44) Trichloroethene	8.84	130	132992	17.766	ug/l	98
45) 1,2-Dichloropropane	9.12	63	132674	19.727	ug/l	97
46) Dibromomethane	9.21	93	80745	19.916	ug/l	97
47) Bromodichloromethane	9.40	83	166363	19.736	ug/l	97
48) Methyl methacrylate	9.20	41	85675	19.516	ug/l	92
49) 1,4-Dioxane	9.20	88	25747	428.022	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	491687	108.795	ug/l	99
52) Toluene	10.16	92	303585	19.454	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	158853	18.820	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	188457	18.841	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	118130	21.007	ug/l	99
56) Ethyl methacrylate	10.43	69	135314	20.341	ug/l	99
57) 1,3-Dichloropropane	10.71	76	194034	20.189	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	320554	83.217	ug/l	98
59) 2-Hexanone	10.75	43	308865	100.670	ug/l	99
60) Dibromochloromethane	10.90	129	129313	20.392	ug/l	99
61) 1,2-Dibromoethane	11.01	107	112447	20.203	ug/l	100
64) Tetrachloroethene	10.63	164	134402	19.141	ug/l	98
65) Chlorobenzene	11.44	112	335607	19.288	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	123073	20.254	ug/l	99
67) Ethyl Benzene	11.51	91	543434	19.013	ug/l	99
68) m/p-Xylenes	11.62	106	424704	38.933	ug/l	100
69) o-Xylene	11.95	106	207068	19.648	ug/l	99
70) Styrene	11.96	104	335075	19.616	ug/l	99
71) Bromoform	12.13	173	88494	21.242	ug/l #	100
73) Isopropylbenzene	12.25	105	549710	20.666	ug/l	100
74) N-amyl acetate	12.07	43	137275	21.462	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	138124	21.698	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	115103m	23.684	ug/l	
77) Bromobenzene	12.53	156	147362	20.556	ug/l	97
78) n-propylbenzene	12.59	91	614634	19.989	ug/l	100
79) 2-Chlorotoluene	12.67	91	371312	20.354	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	460244	20.866	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	34117	19.740	ug/l	98
82) 4-Chlorotoluene	12.77	91	373261	19.940	ug/l	99
83) tert-Butylbenzene	12.99	119	416118	21.345	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	465297	20.705	ug/l	99
85) sec-Butylbenzene	13.17	105	554951	20.919	ug/l	99
86) p-Isopropyltoluene	13.29	119	472572	20.368	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	248526	19.285	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	243826	19.127	ug/l	100
89) n-Butylbenzene	13.62	91	375017	18.674	ug/l	99
90) Hexachloroethane	13.87	117	81454	21.284	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	249924	20.258	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	20518	22.616	ug/l	99

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ClientSampleId :
VN0213WBSD01

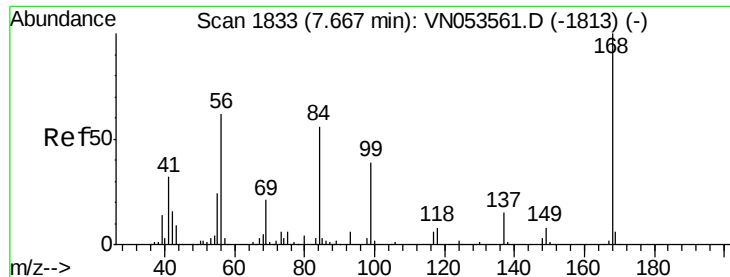
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	120647	17.051	ug/l	99
94) Hexachlorobutadiene	15.01	225	89898	20.401	ug/l	100
95) Naphthalene	15.13	128	256649	16.641	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	124254	18.926	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

Instrument :

MSVOA_N

ClientSampleID :

VN0213WBSD01

Tot Ion:168 Resp: 605044

Ion Ratio Lower Upper

168 100

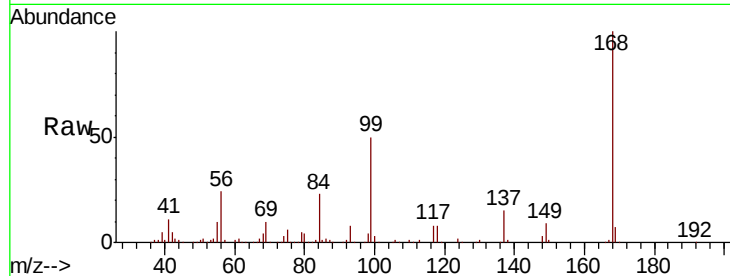
99 49.1 39.1 58.7

Manual Integrations

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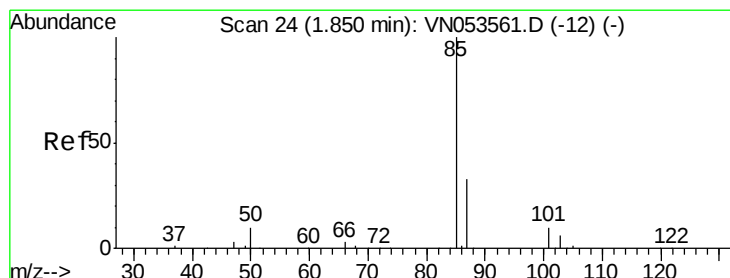
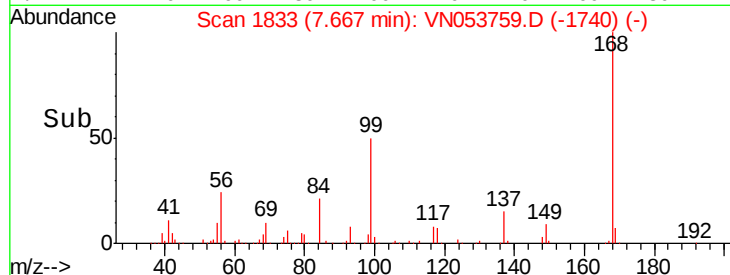
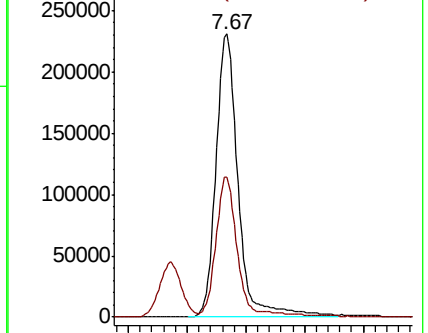
MMDadoda

2/14/2019 10:39:13 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 17.471 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053759.D

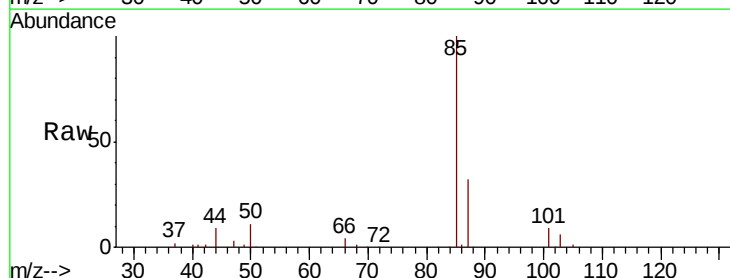
Acq: 13 Feb 2019 17:02

Tgt Ion: 85 Resp: 117661

Ion Ratio Lower Upper

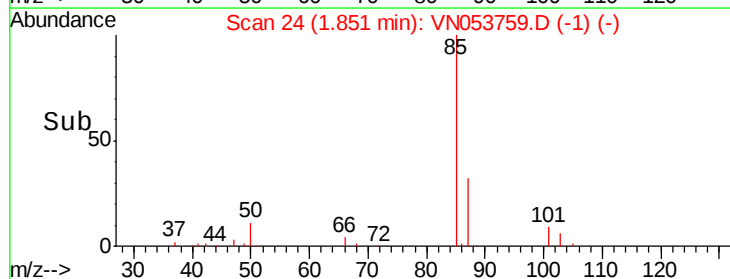
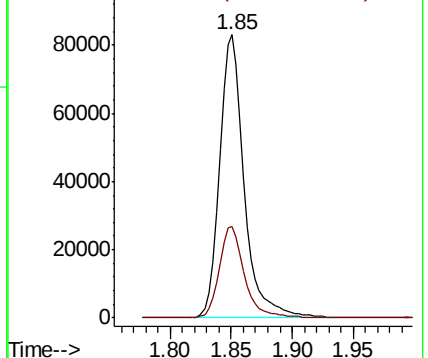
85 100

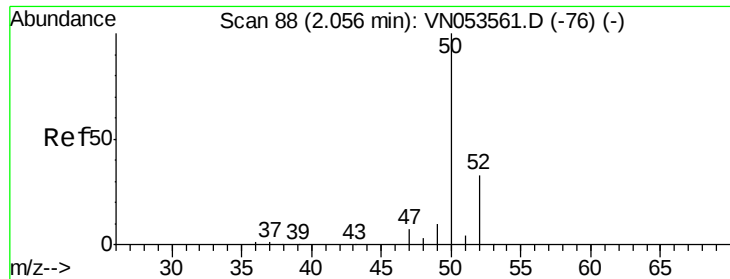
87 32.2 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 18.876 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.01 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

Instrument :

MSVOA_N

ClientSampleId :

VN0213WBSD01

Tot Ion: 50 Resp: 135591

Ion Ratio Lower Upper

50 100

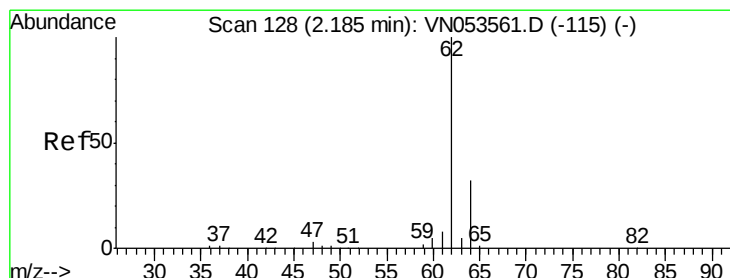
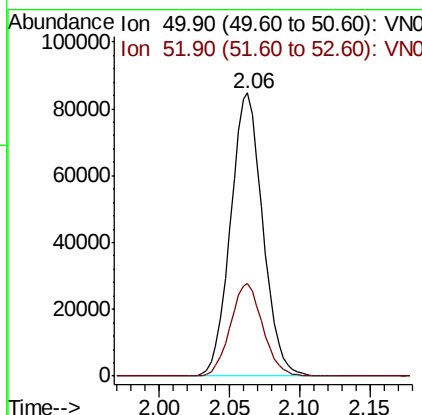
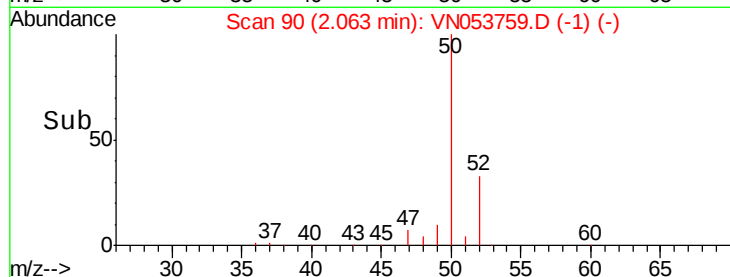
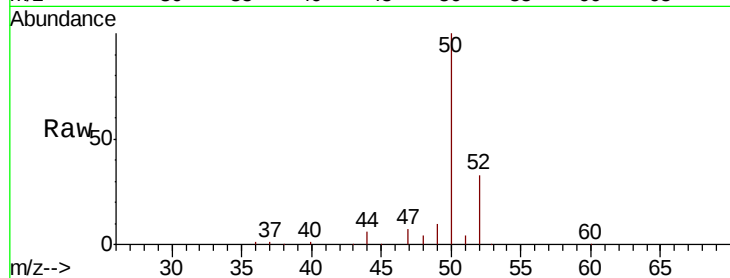
52 32.6 26.6 40.0

Manual Integrations

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2/14/2019 10:39:13 AM



#4

Vinyl Chloride

Concen: 20.833 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053759.D

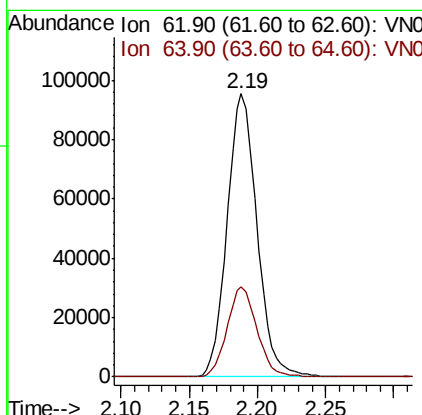
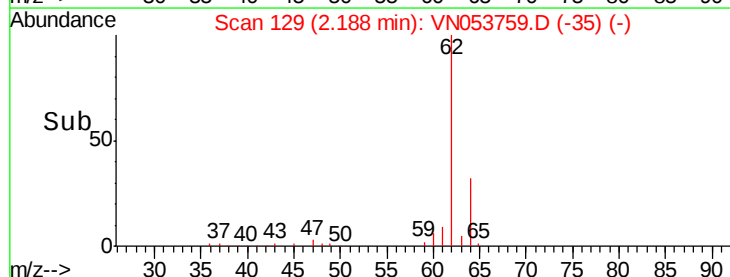
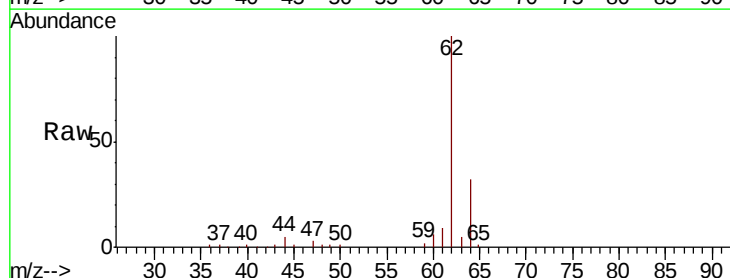
Acq: 13 Feb 2019 17:02

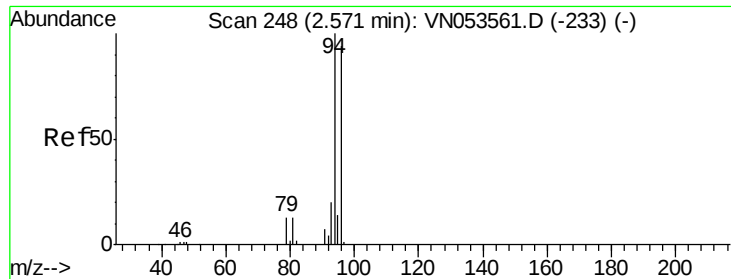
Tgt Ion: 62 Resp: 145265

Ion Ratio Lower Upper

62 100

64 31.9 25.4 38.2





#5

Bromomethane

Concen: 22.524 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

Instrument :

MSVOA_N

ClientSampleId :

VN0213WBSD01

Tot Ion: 94 Resp: 102691

Ion Ratio Lower Upper

94 100

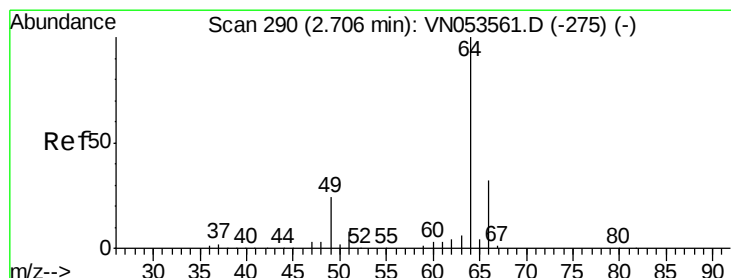
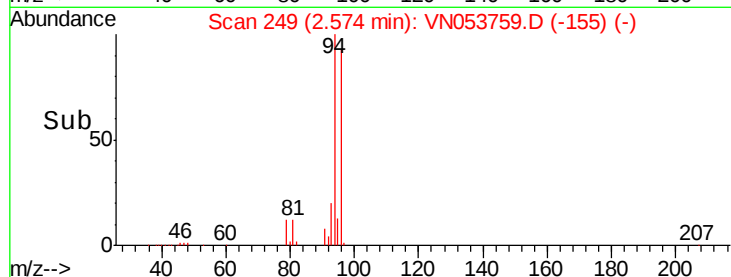
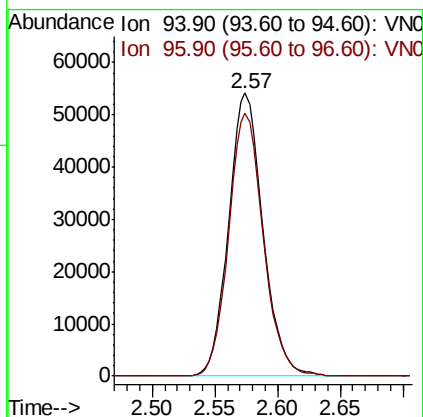
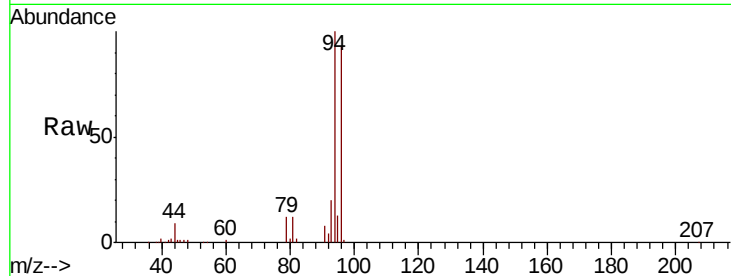
96 92.8 76.8 115.2

Manual Integrations

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2/14/2019 10:39:13 AM



#6

Chloroethane

Concen: 23.533 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053759.D

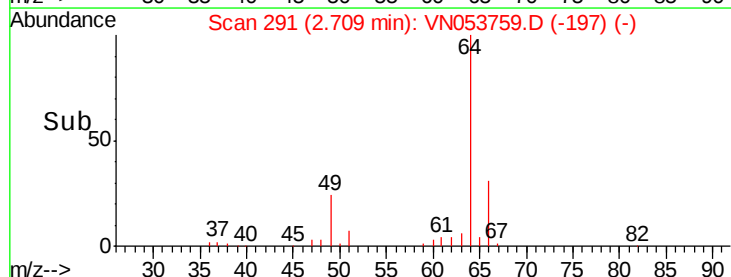
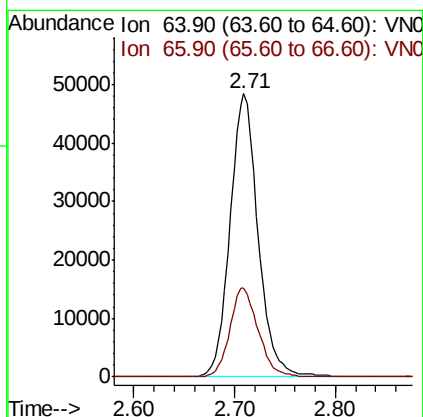
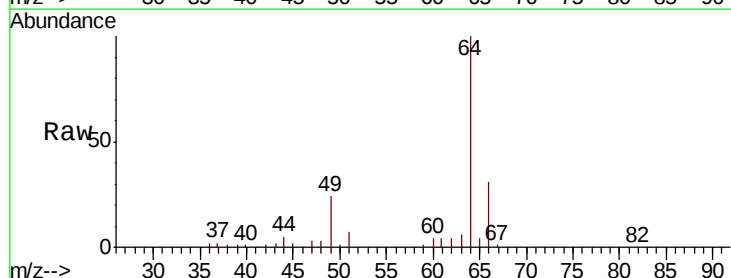
Acq: 13 Feb 2019 17:02

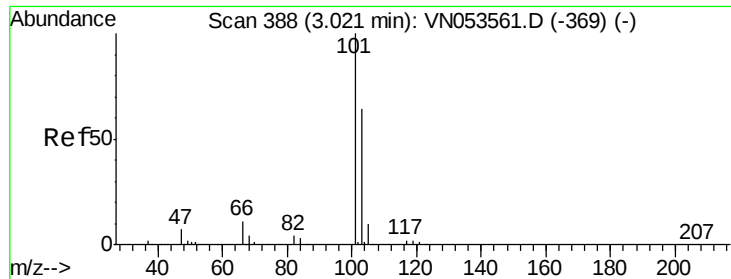
Tgt Ion: 64 Resp: 93770

Ion Ratio Lower Upper

64 100

66 31.3 25.1 37.7





#7

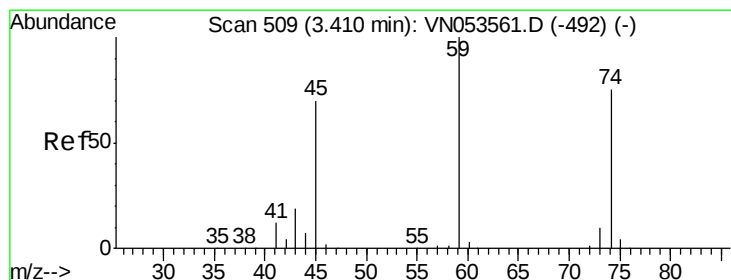
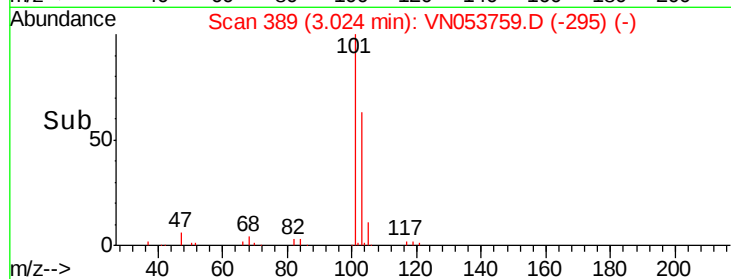
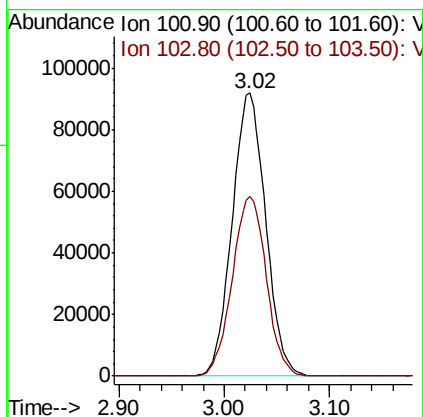
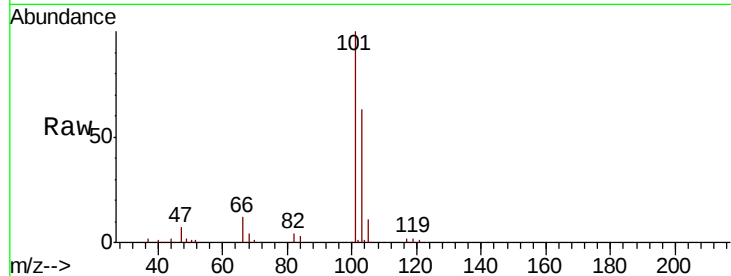
Trichlorofluoromethane
Concen: 21.411 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN053759.D
Acq: 13 Feb 2019 17:02

Instrument :
MSVOA_N
ClientSampled :
VN0213WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	51.6	77.4

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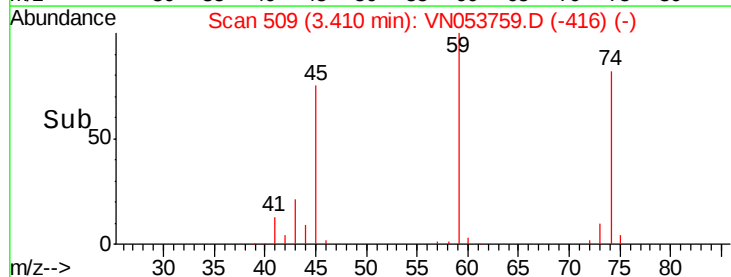
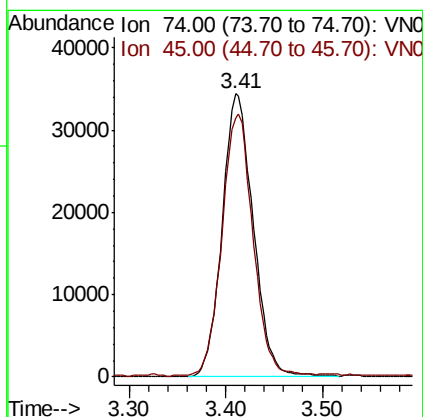
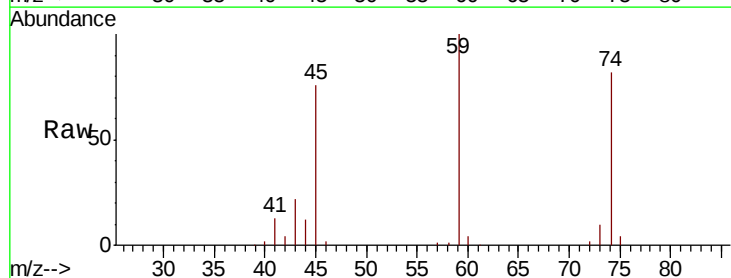
MMDadoda
2/14/2019 10:39:13 AM

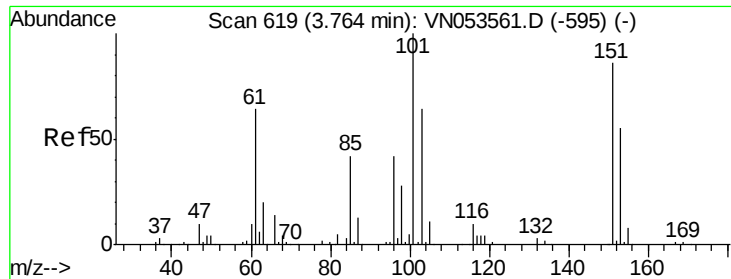


#8

Diethyl Ether
Concen: 22.278 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN053759.D
Acq: 13 Feb 2019 17:02

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.1	47.9	143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.122 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

Instrument :

MSVOA_N

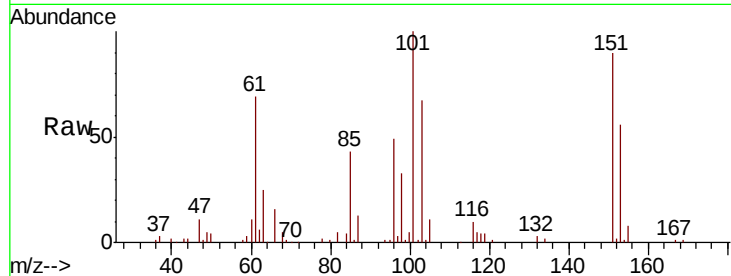
ClientSampleID :

VN0213WBSD01

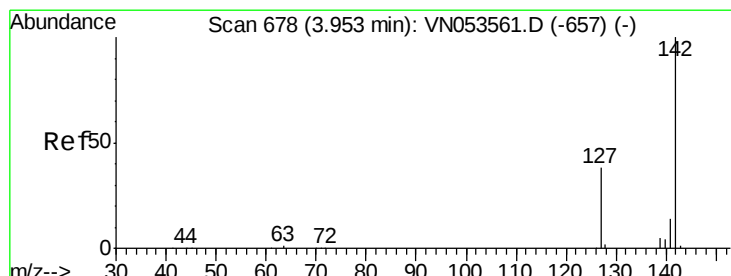
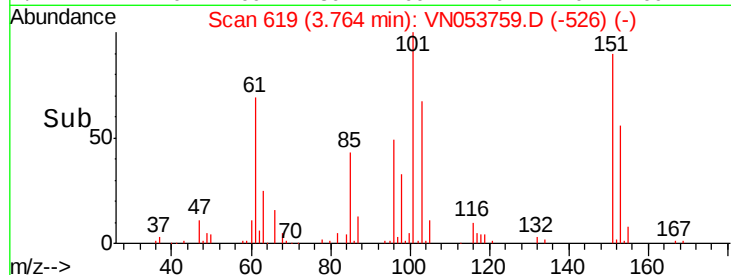
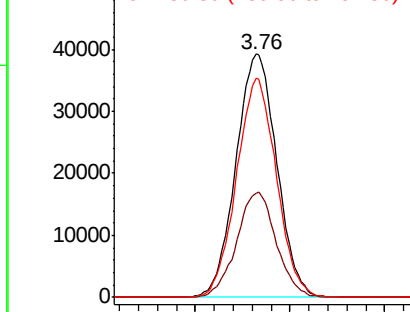
Tot Ion:	101	Resp:	117672
Ion Ratio	Lower	Upper	
101	100		
85	41.9	32.8	49.2
151	87.7	66.9	100.3

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.057 ug/l

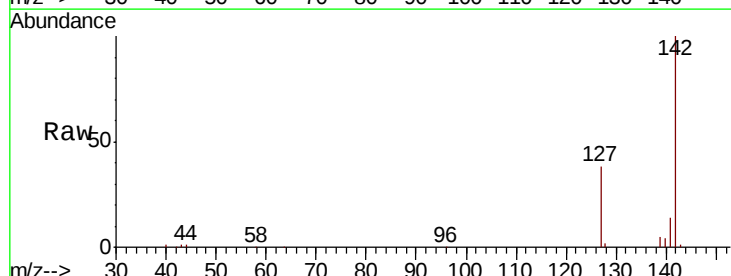
RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

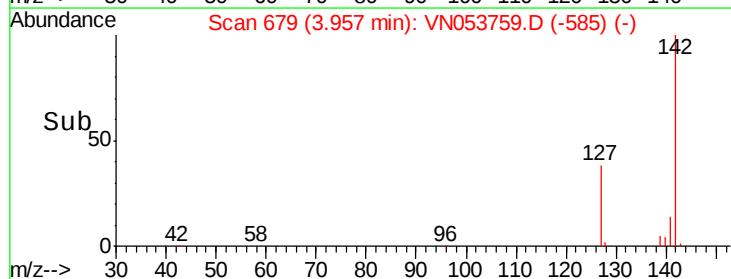
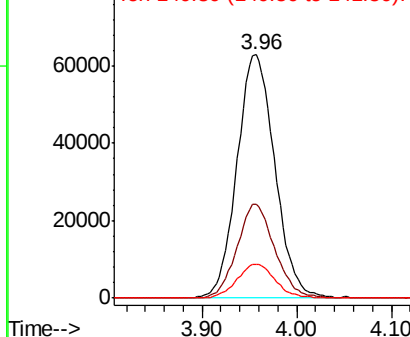
Lab File: VN053759.D

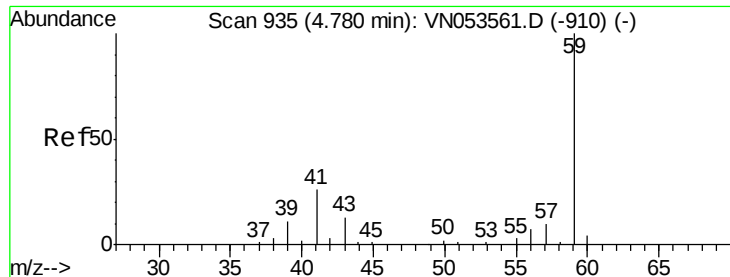
Acq: 13 Feb 2019 17:02

Tgt Ion:	142	Resp:	174916
Ion Ratio	Lower	Upper	
142	100		
127	38.4	31.0	46.4
141	14.0	11.1	16.7



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





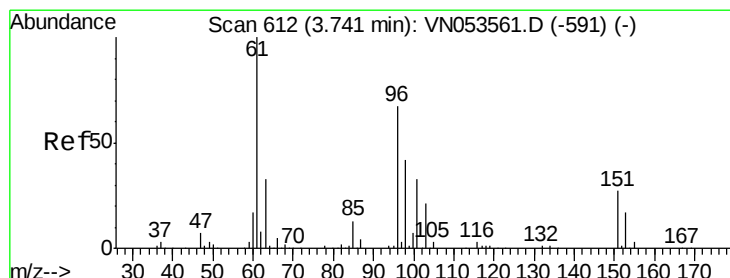
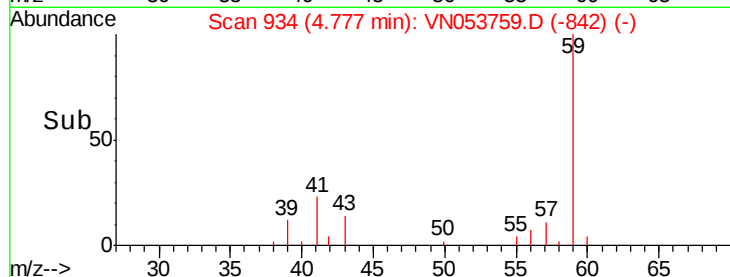
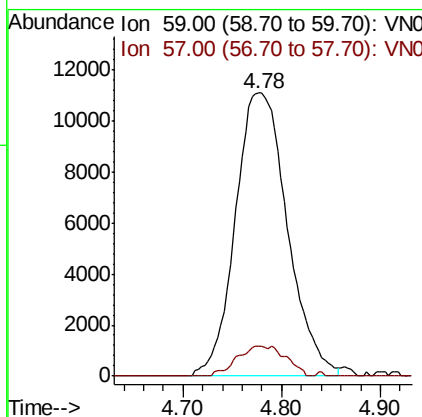
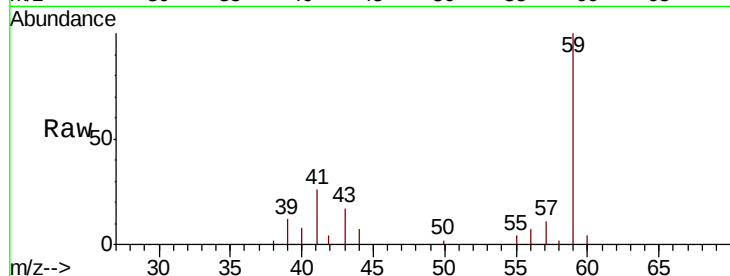
#11
Tert butyl alcohol
Concen: 112.857 ug/l
RT: 4.78 min Scan# 934
Delta R.T. -0.00 min
Lab File: VN053759.D
Acq: 13 Feb 2019 17:02

Instrument :
MSVOA_N
ClientSampleId :
VN0213WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.2	8.2	12.4#

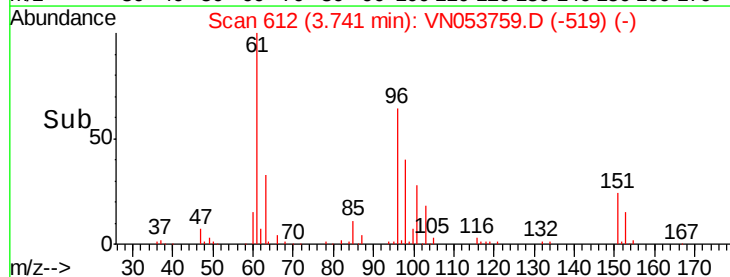
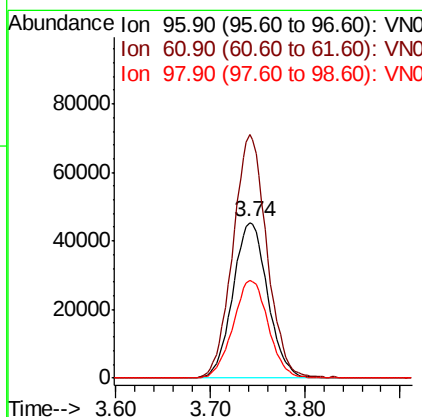
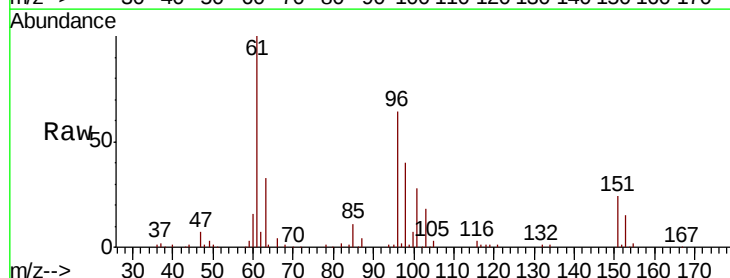
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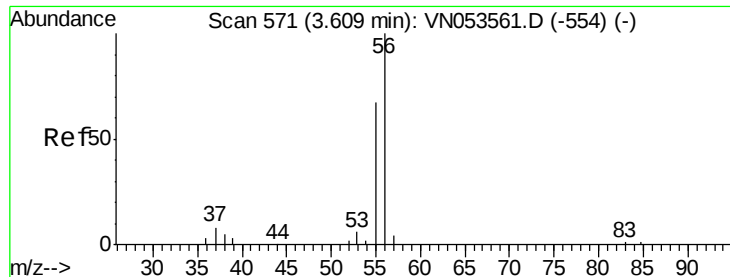
MMDadoda
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#12
1,1-Dichloroethene
Concen: 20.759 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053759.D
Acq: 13 Feb 2019 17:02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.5	122.9	184.3
98	62.9	49.4	74.0





#13

Acrolein

Concen: 94.958 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

Instrument :

MSVOA_N

ClientSampleId :

VN0213WBSD01

Tot Ion: 56 Resp: 18572

Ion Ratio Lower Upper

56 100

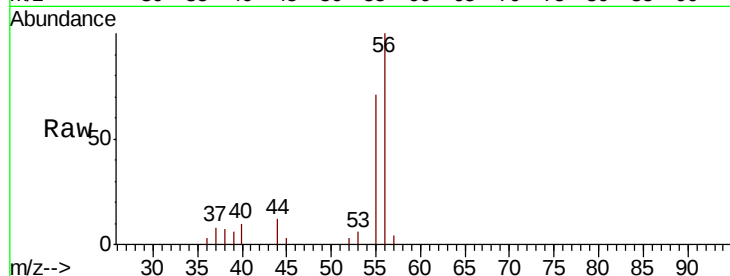
55 67.5 57.4 86.0

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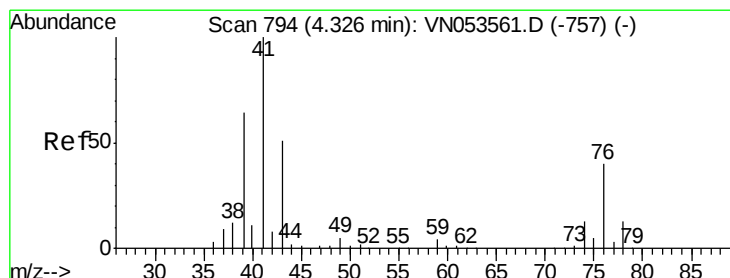
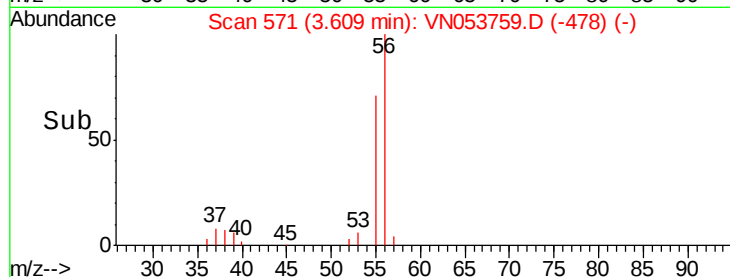
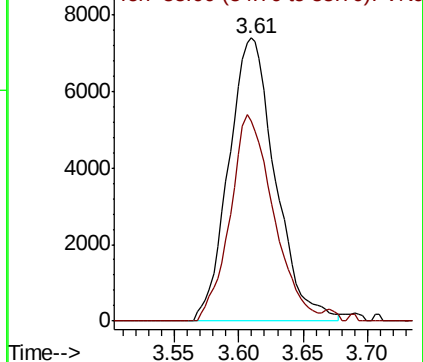
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.159 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

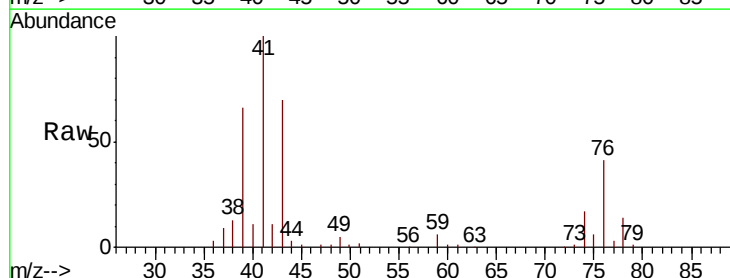
Tgt Ion: 41 Resp: 170915

Ion Ratio Lower Upper

41 100

39 61.5 48.9 73.3

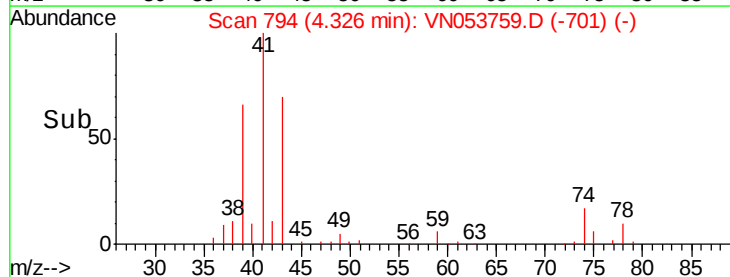
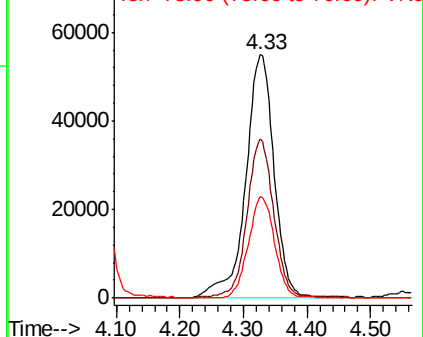
76 38.3 29.4 44.2



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 113.602 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

Instrument :

MSVOA_N

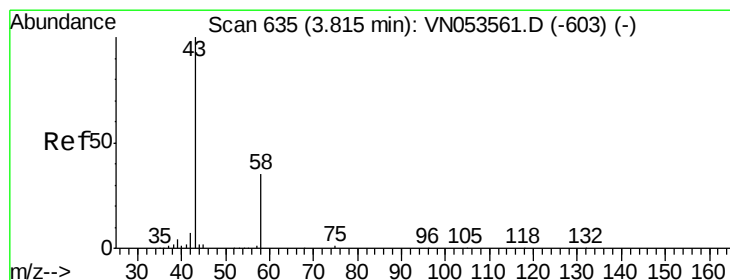
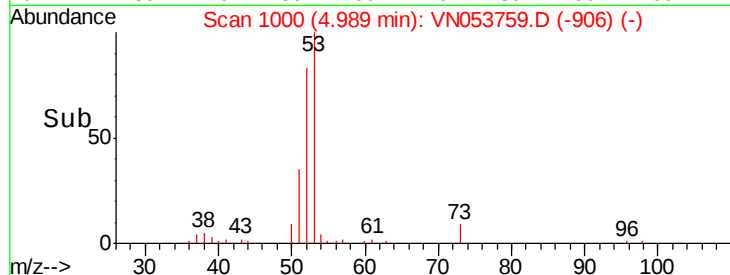
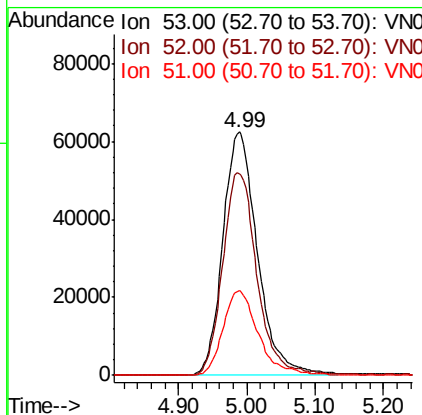
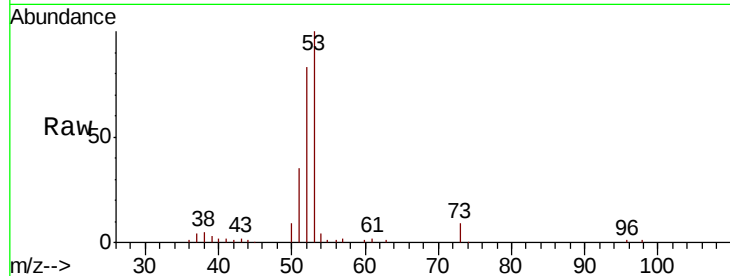
ClientSampleId :

VN0213WBSD01

Tot Ion:	53	Resp:	220304
Ion Ratio	Lower	Upper	
53	100		
52	81.6	66.0	99.0
51	35.3	28.3	42.5

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#16

Acetone

Concen: 100.897 ug/l

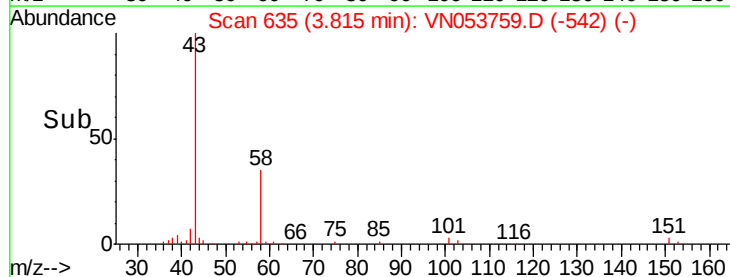
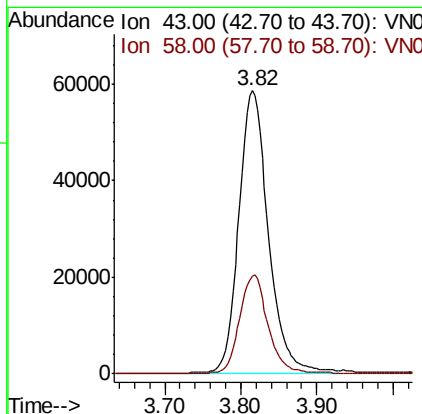
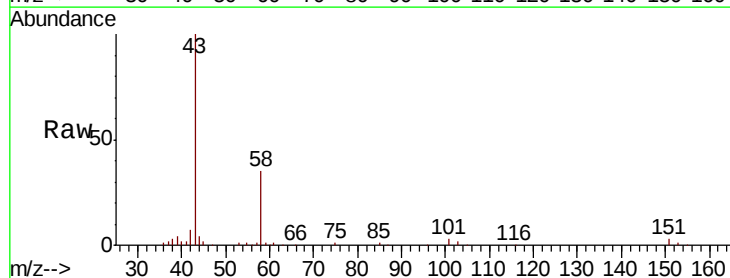
RT: 3.82 min Scan# 635

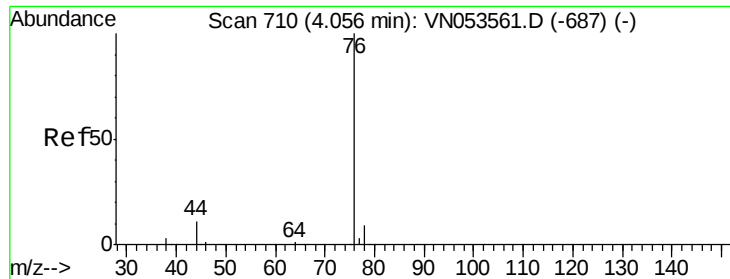
Delta R.T. 0.00 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

Tgt Ion:	43	Resp:	157087
Ion Ratio	Lower	Upper	
43	100		
58	34.8	27.1	40.7





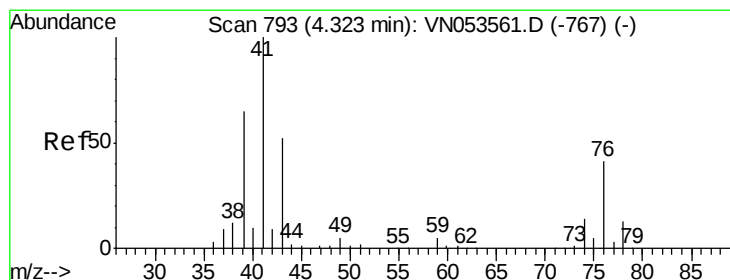
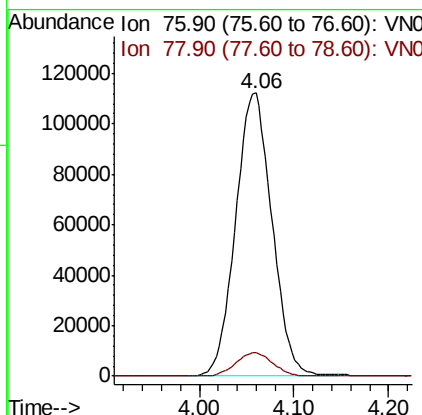
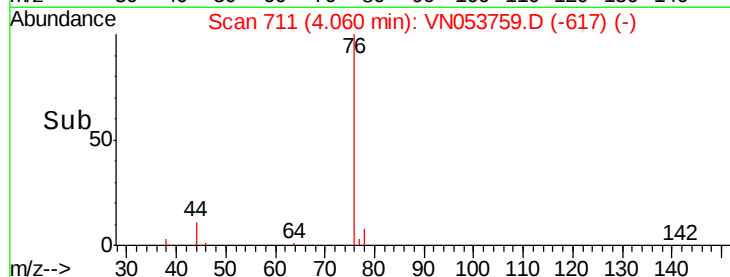
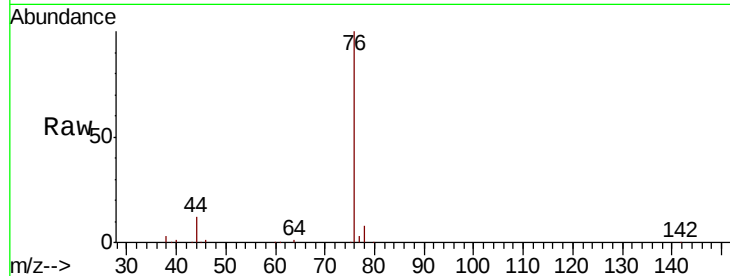
#17
Carbon Disulfide
Concen: 17.192 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN053759.D
Acq: 13 Feb 2019 17:02

Instrument :
MSVOA_N
ClientSampleId :
VN0213WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.4	7.3	10.9

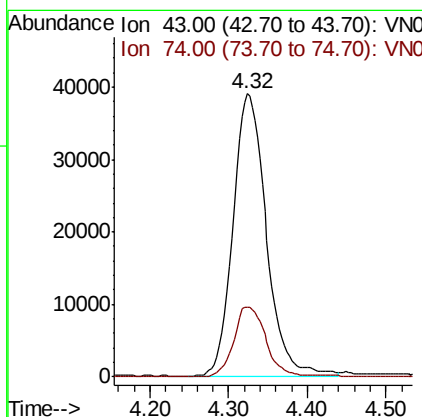
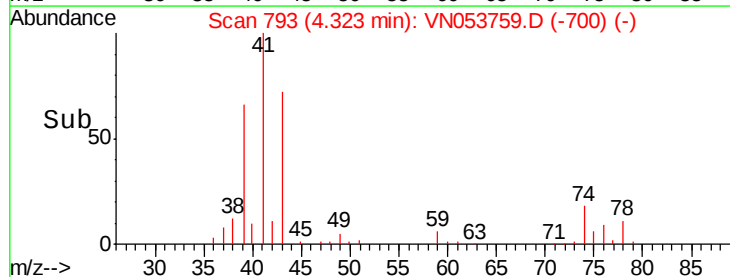
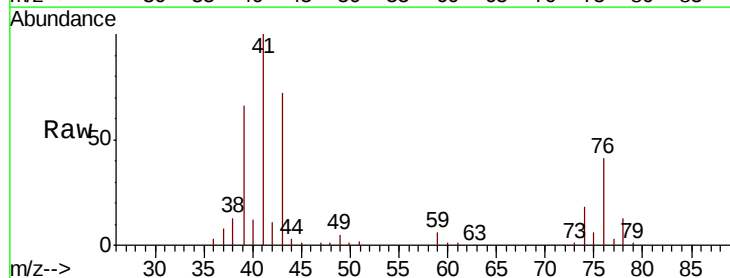
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#18
Methyl Acetate
Concen: 25.306 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN053759.D
Acq: 13 Feb 2019 17:02

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	19.4	29.2





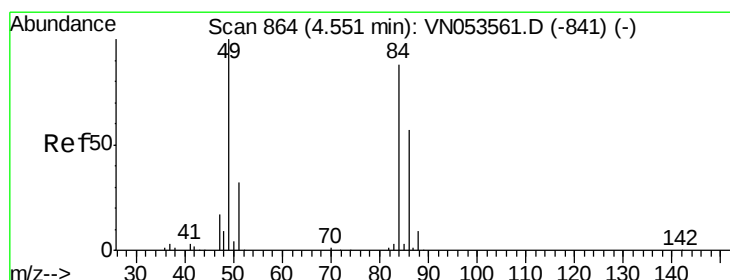
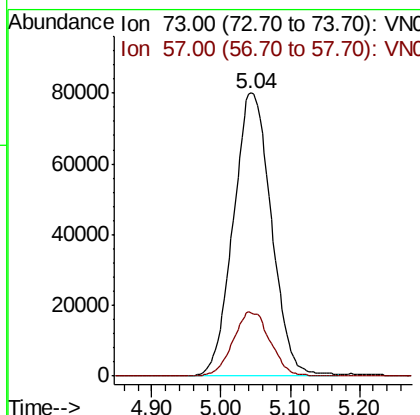
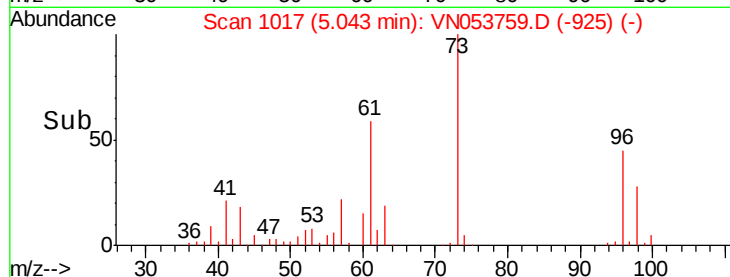
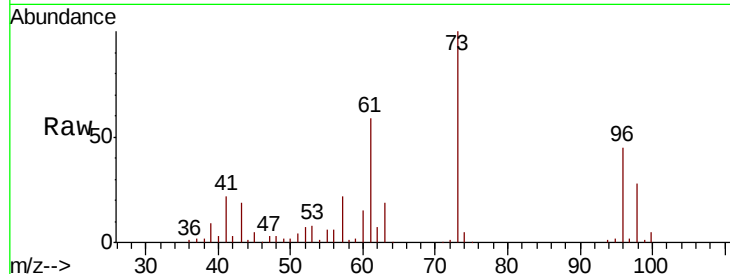
#19
Methvl tert-butvl Ether
Concen: 21.564 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053759.D
Acq: 13 Feb 2019 17:02

Instrument :
MSVOA_N
ClientSampleId :
VN0213WBSD01

Tot Ion: 73 Resp: 306280
Ion Ratio Lower Upper
73 100
57 22.5 18.3 27.5

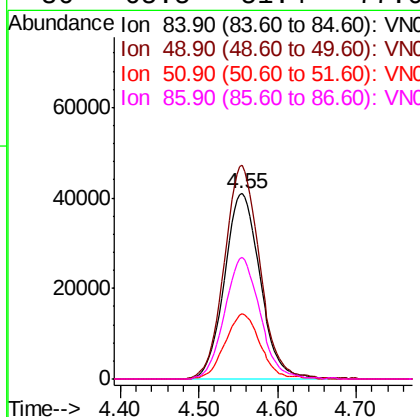
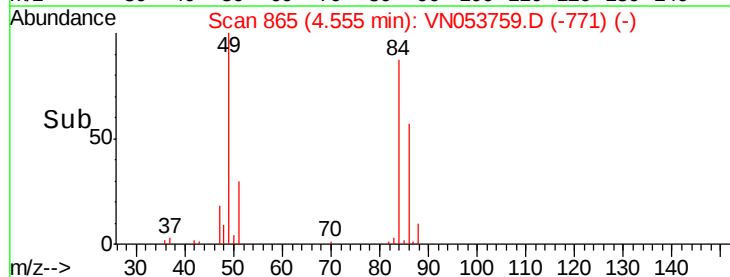
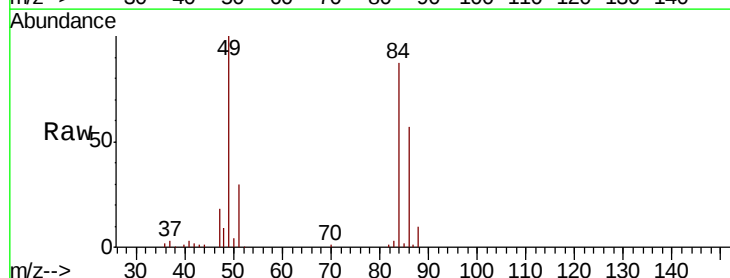
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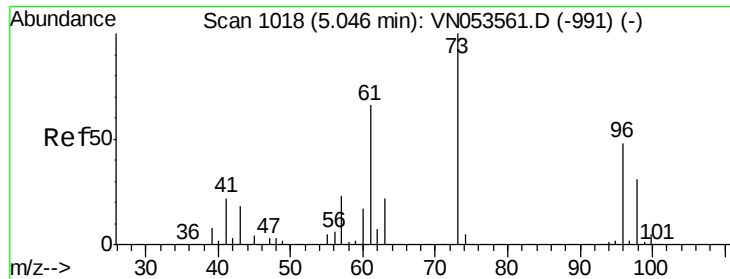
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#20
Methylene Chloride
Concen: 19.758 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053759.D
Acq: 13 Feb 2019 17:02

Tgt Ion: 84 Resp: 129054
Ion Ratio Lower Upper
84 100
49 114.8 94.3 141.5
51 34.9 29.4 44.2
86 65.5 51.4 77.0





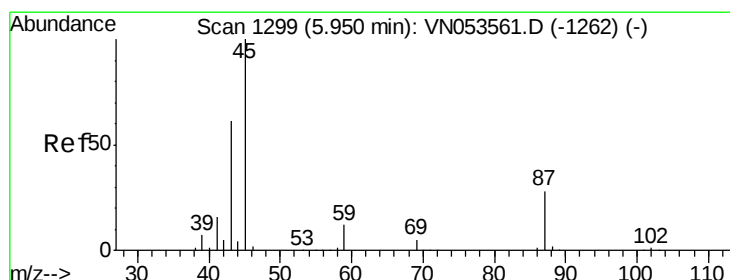
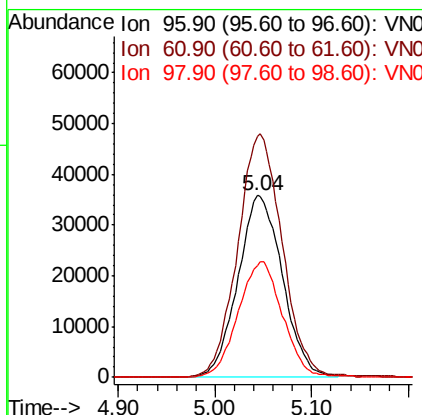
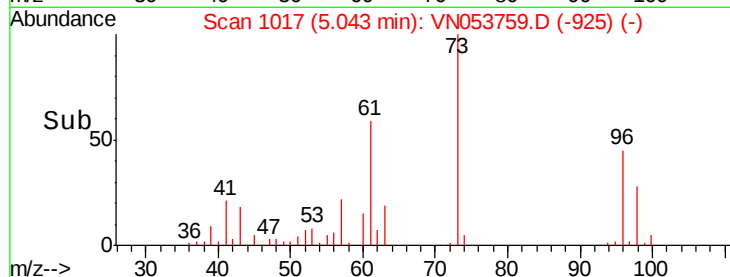
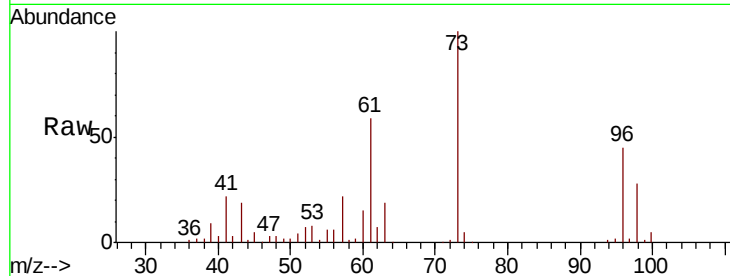
#21
trans-1,2-Dichloroethene
Concen: 18.965 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053759.D
Acq: 13 Feb 2019 17:02

Instrument :
MSVOA_N
ClientSampleId :
VN0213WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.0	110.1	165.1
98	61.8	50.0	75.0

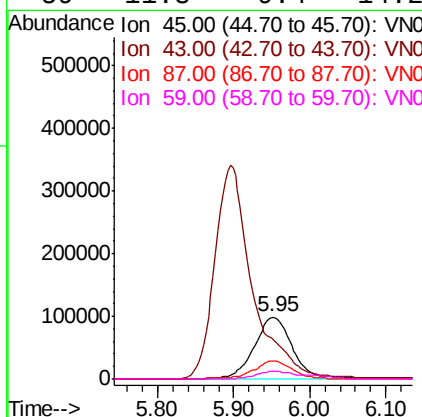
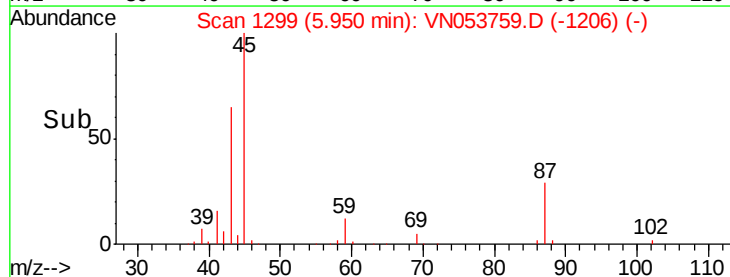
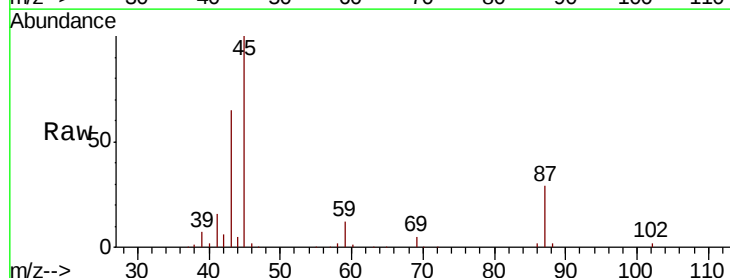
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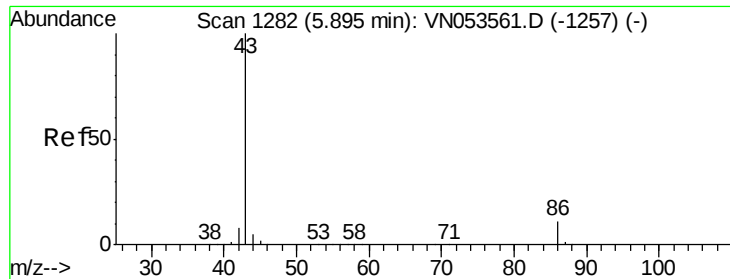
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#22
Diisopropyl ether
Concen: 20.616 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. 0.00 min
Lab File: VN053759.D
Acq: 13 Feb 2019 17:02

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.4	44.2	66.4
87	28.0	22.7	34.1
59	11.8	9.4	14.2





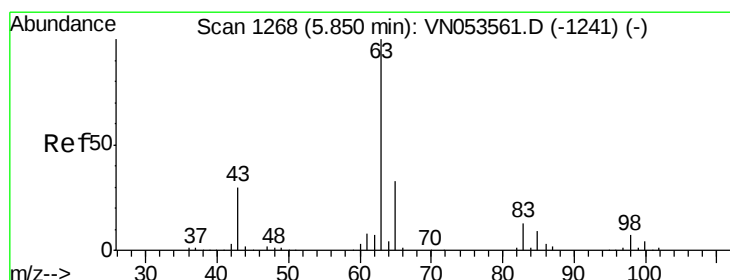
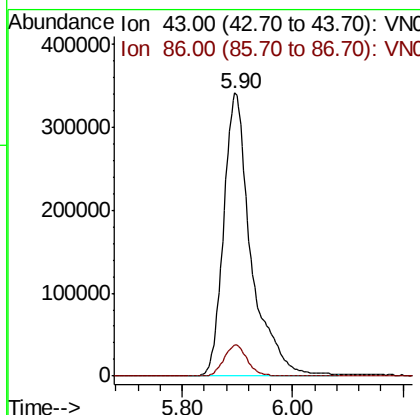
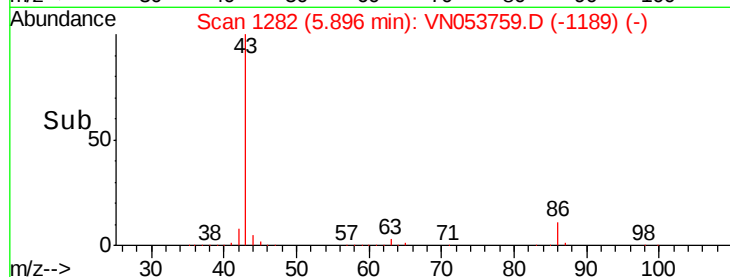
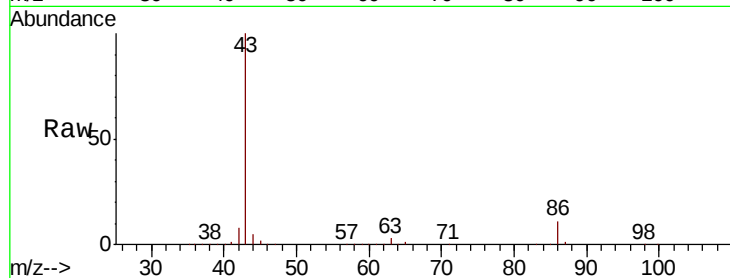
#23
 Vinyl Acetate
 Concen: 103.258 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053759.D
 Acq: 13 Feb 2019 17:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0213WBSD01

Tot Ion: 43 Resp: 1180761
 Ion Ratio Lower Upper
 43 100
 86 10.8 8.4 12.6

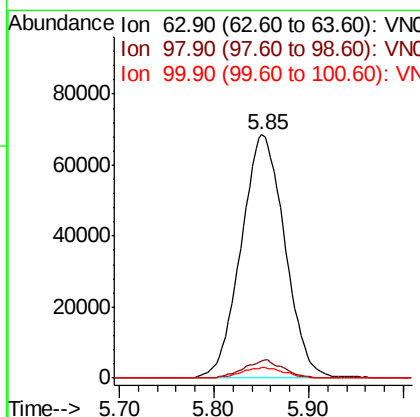
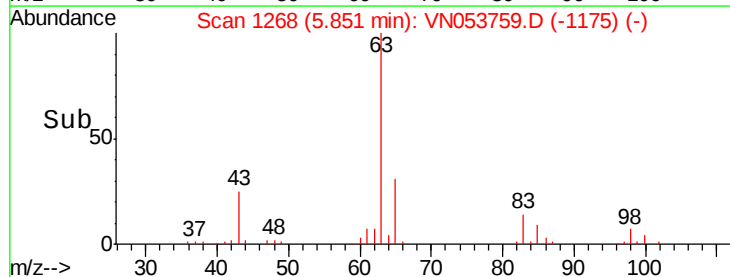
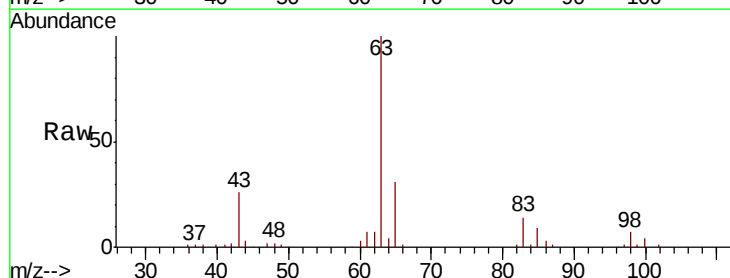
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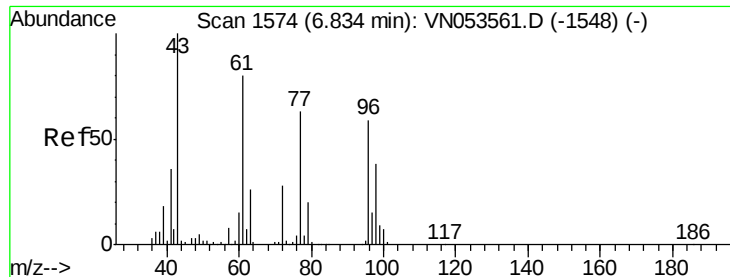
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#24
 1,1-Dichloroethane
 Concen: 19.962 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN053759.D
 Acq: 13 Feb 2019 17:02

Tgt Ion: 63 Resp: 220090
 Ion Ratio Lower Upper
 63 100
 98 7.1 3.3 9.9
 100 4.3 2.1 6.5





#25

2-Butanone

Concen: 104.581 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

Instrument :

MSVOA_N

ClientSampleId :

VN0213WBSD01

Tot Ion: 43 Resp: 232222

Ion Ratio Lower Upper

43 100

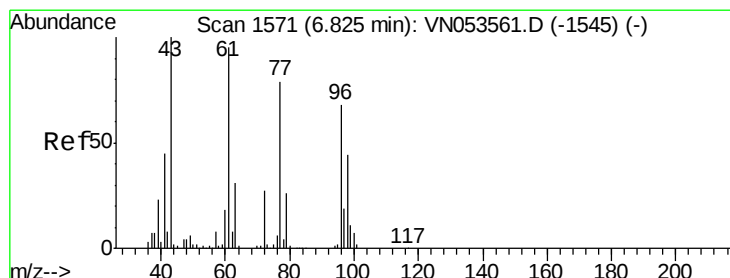
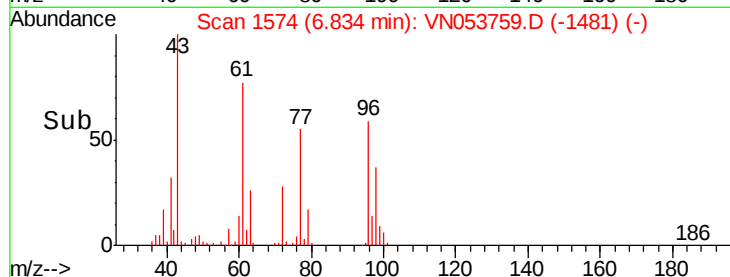
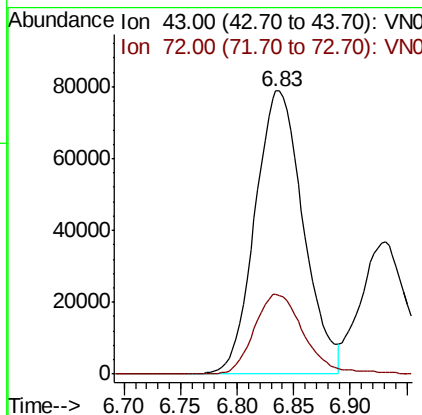
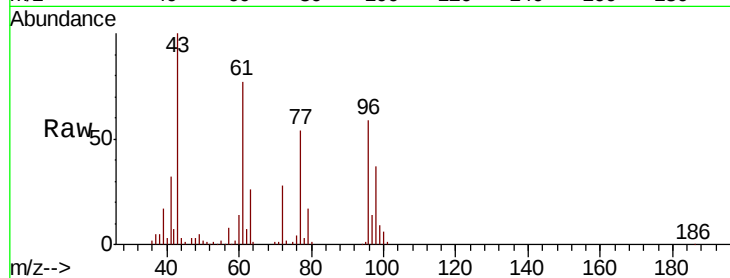
72 28.2 22.0 33.0

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#26

2,2-Dichloropropane

Concen: 17.432 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN053759.D

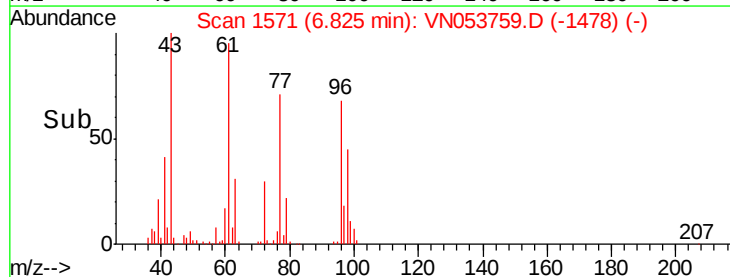
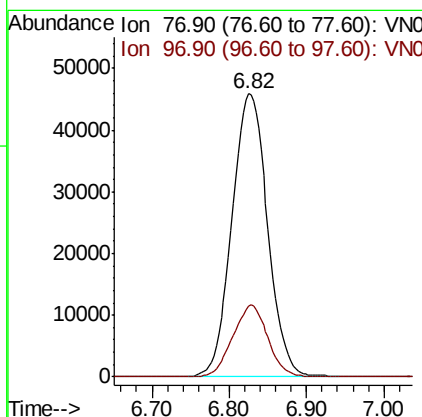
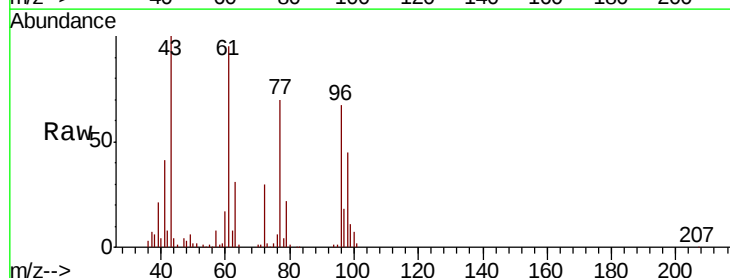
Acq: 13 Feb 2019 17:02

Tgt Ion: 77 Resp: 146708

Ion Ratio Lower Upper

77 100

97 24.9 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 20.326 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

Instrument :

MSVOA_N

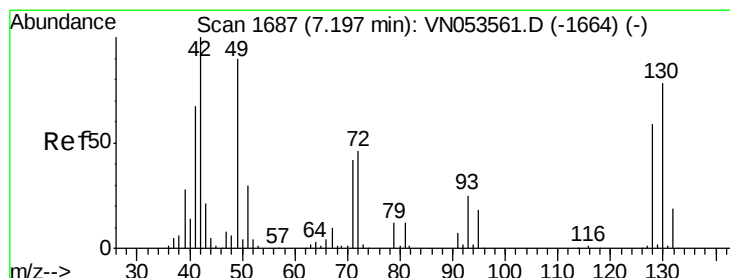
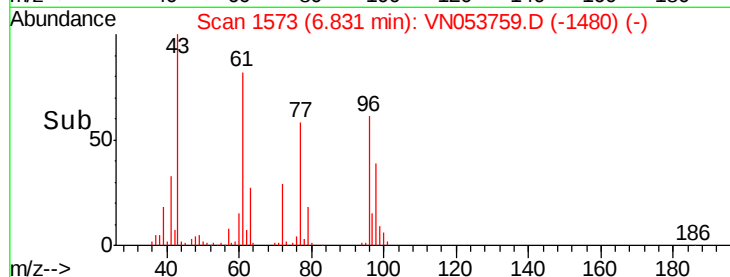
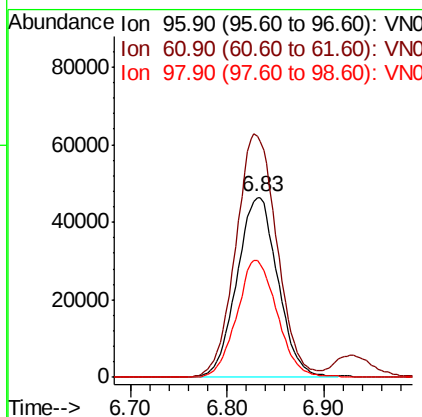
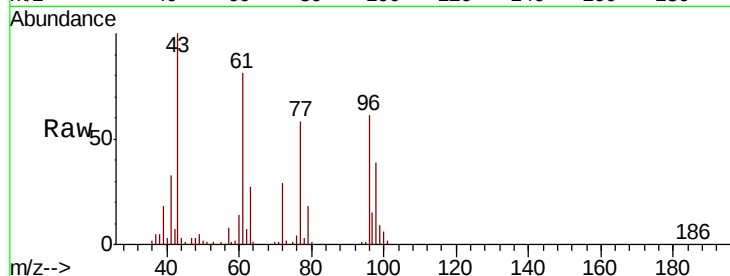
ClientSampleId :

VN0213WBSD01

Tot Ion:	96	Resp:	136618
Ion	Ratio	Lower	Upper
96	100		
61	136.1	0.0	283.8
98	64.0	0.0	129.2

Manual Integrations
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2/14/2019 10:39:13 AM



#28

Bromochloromethane

Concen: 21.326 ug/l

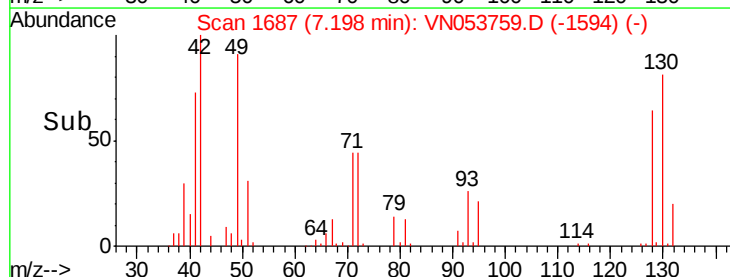
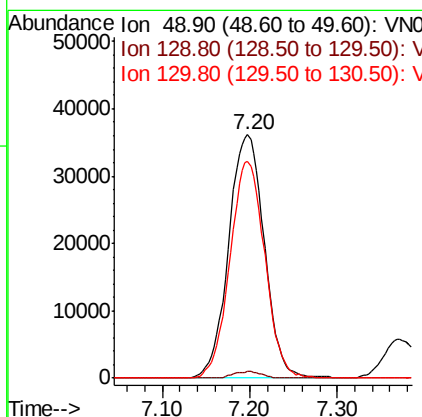
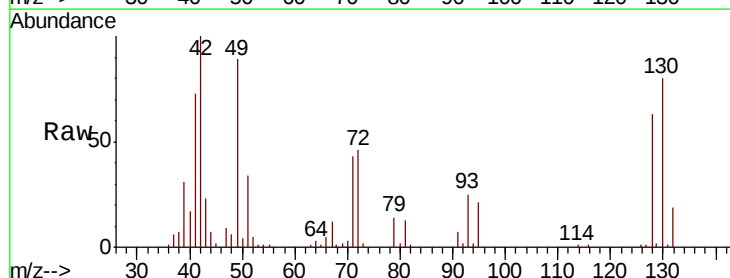
RT: 7.20 min Scan# 1687

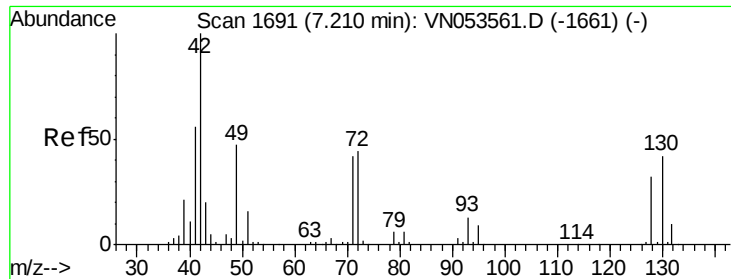
Delta R.T. 0.00 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

Tgt Ion:	49	Resp:	102032
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.0
130	87.3	66.3	99.5





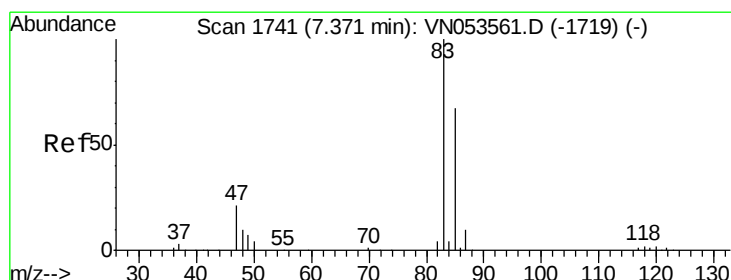
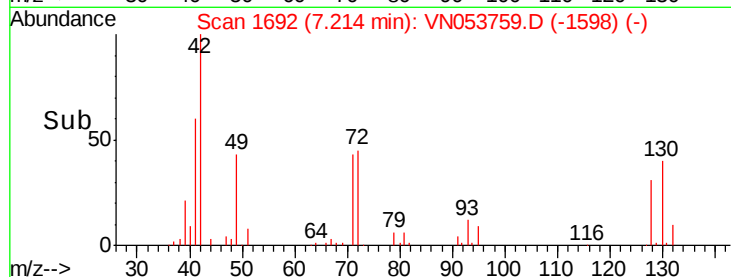
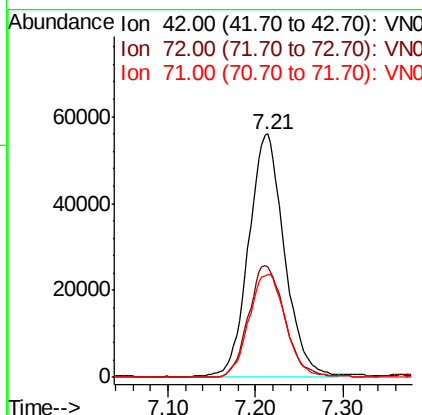
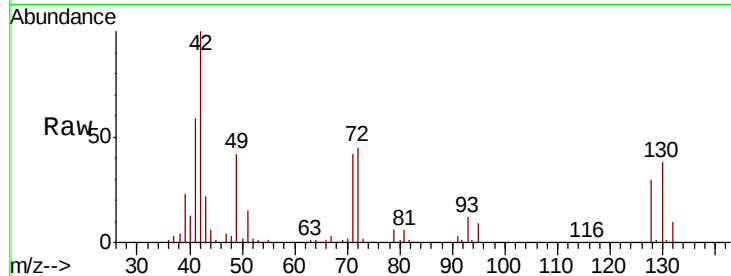
#29
Tetrahydrofuran
Concen: 111.827 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN053759.D
Acq: 13 Feb 2019 17:02

Instrument :
MSVOA_N
ClientSampleId :
VN0213WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.4	35.2	52.8
71	43.5	33.0	49.4

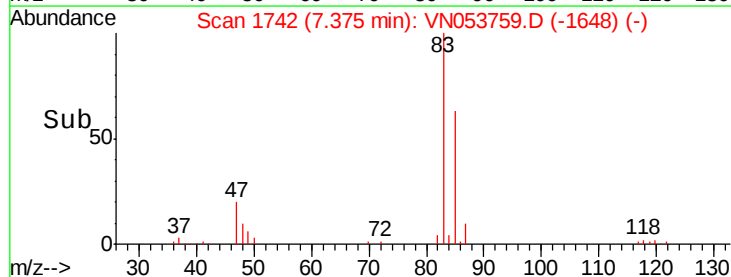
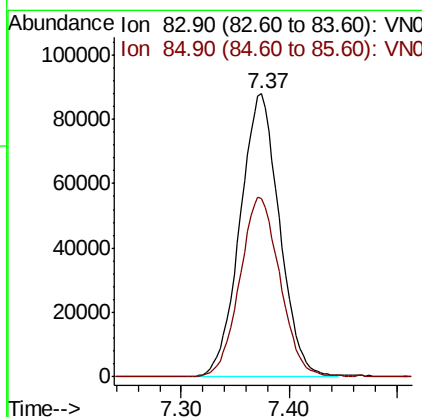
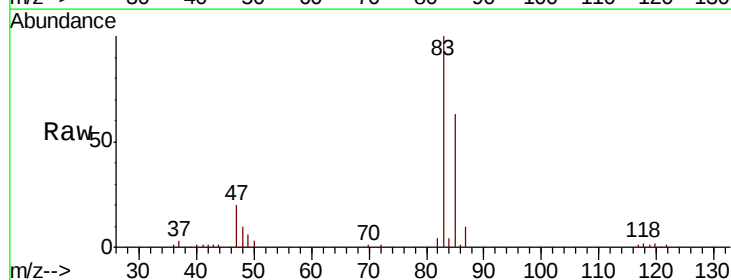
Manual Integrations
APPROVED

MMDadoda
2/14/2019 10:39:13 AM



#30
Chloroform
Concen: 20.458 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053759.D
Acq: 13 Feb 2019 17:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	52.2	78.2





#31

Cvclohexane

Concen: 17.803 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

Instrument :

MSVOA_N

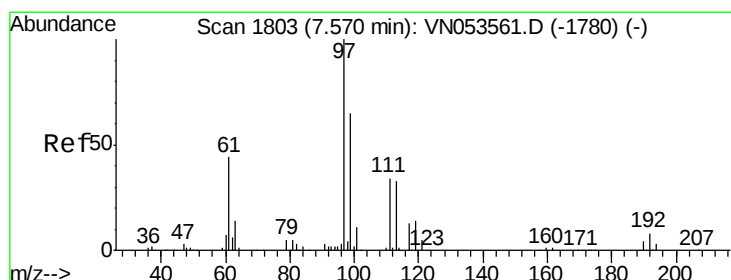
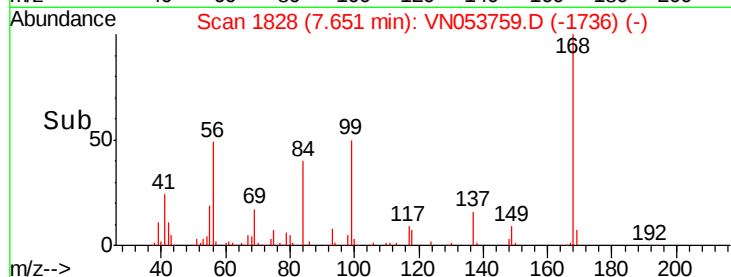
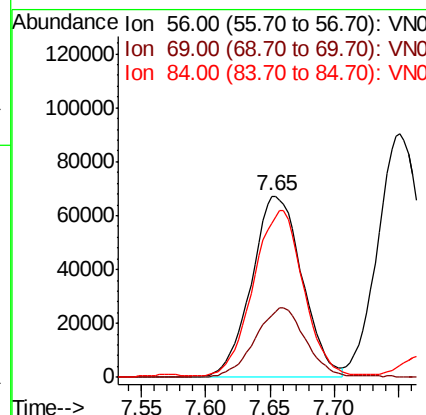
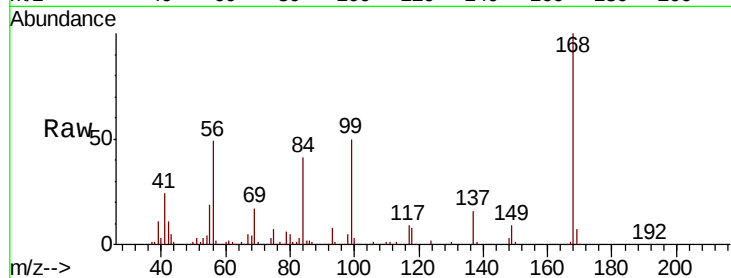
ClientSampled :

VN0213WBSD01

Tot Ion:	56	Resp:	183864
Ion Ratio	Lower	Upper	
56	100		
69	34.2	26.4	39.6
84	83.9	67.9	101.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.365 ug/l

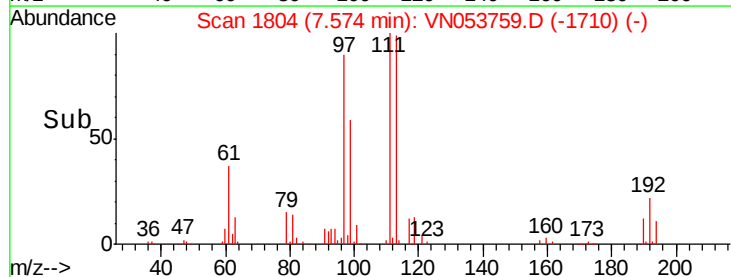
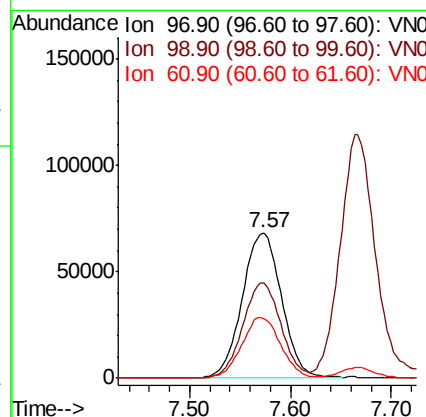
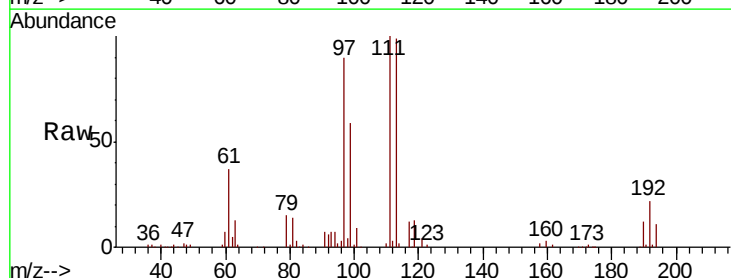
RT: 7.57 min Scan# 1804

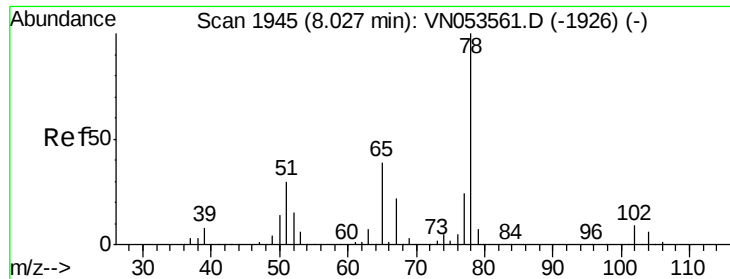
Delta R.T. 0.00 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

Tgt Ion:	97	Resp:	185225
Ion Ratio	Lower	Upper	
97	100		
99	63.7	52.0	78.0
61	41.2	34.4	51.6





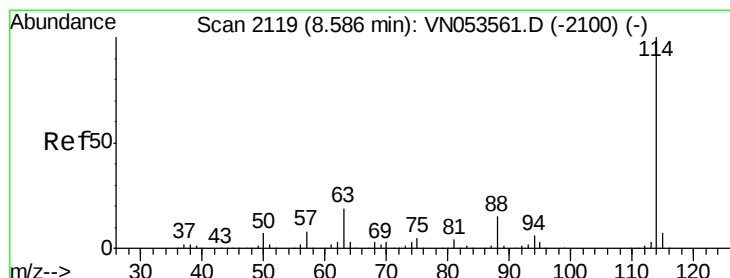
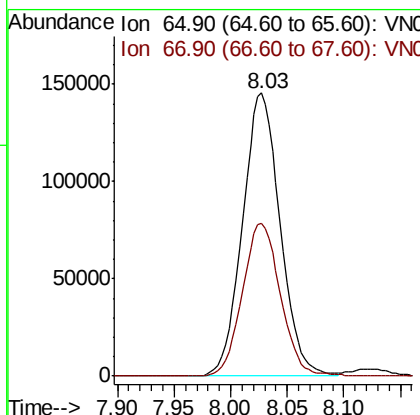
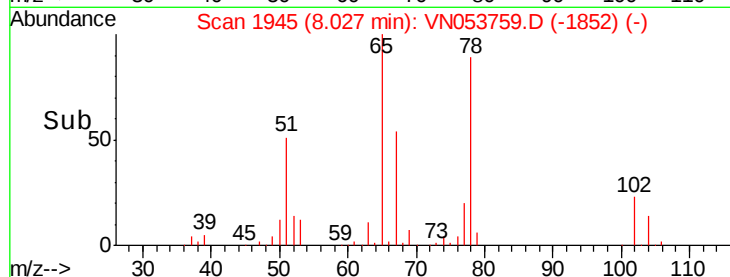
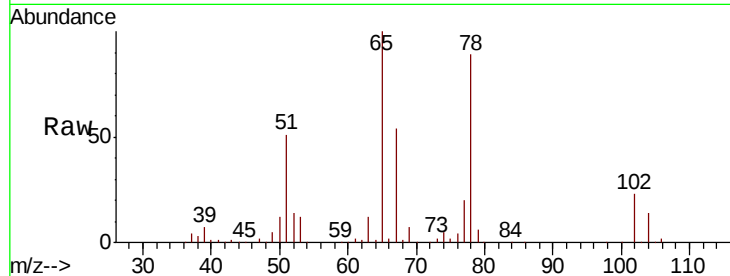
#33
 1,2-Dichloroethane-d4
 Concen: 55.507 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053759.D
 Acq: 13 Feb 2019 17:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0213WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.5	0.0		111.2

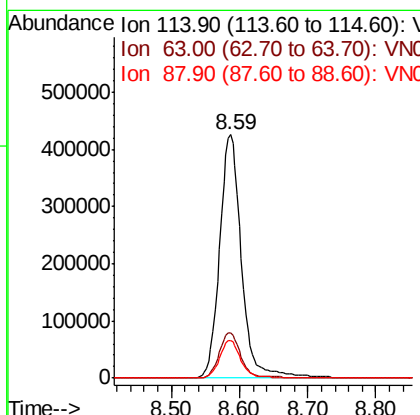
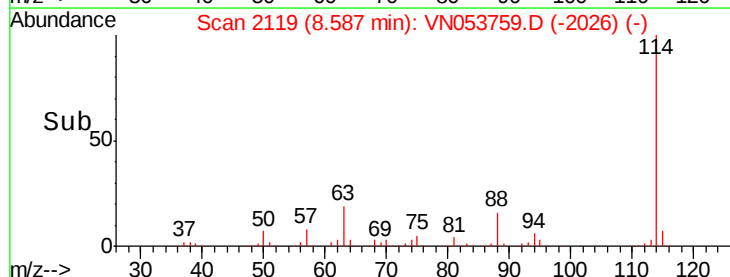
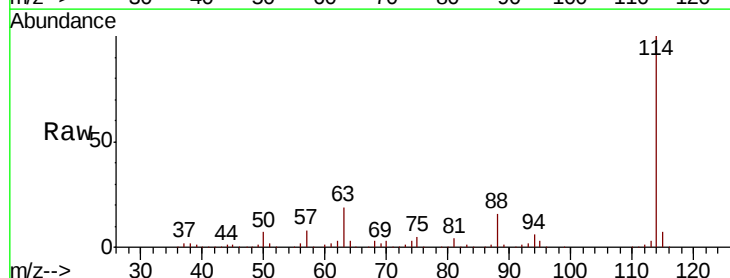
Manual Integrations
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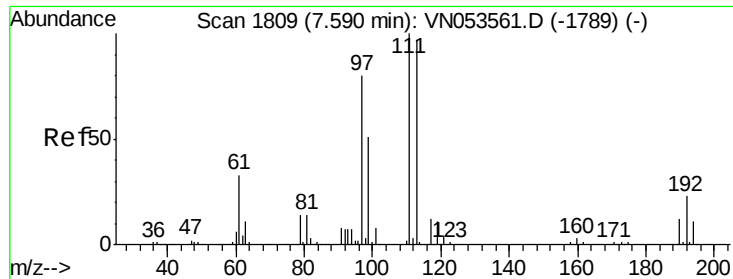
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 2/14/2019 10:39:13 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053759.D
 Acq: 13 Feb 2019 17:02

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.6	0.0		38.6
88	15.5	0.0		30.4





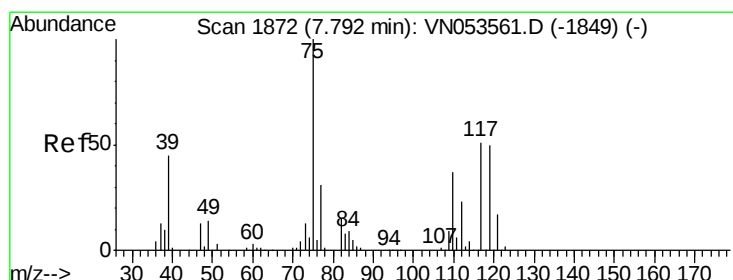
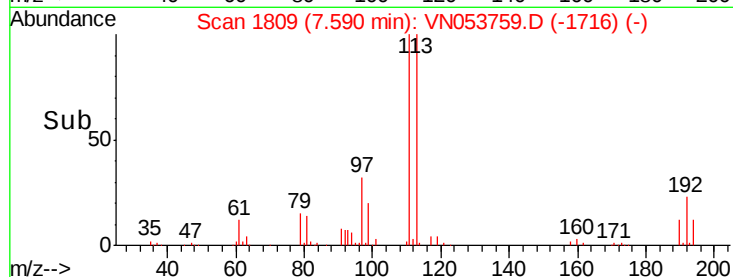
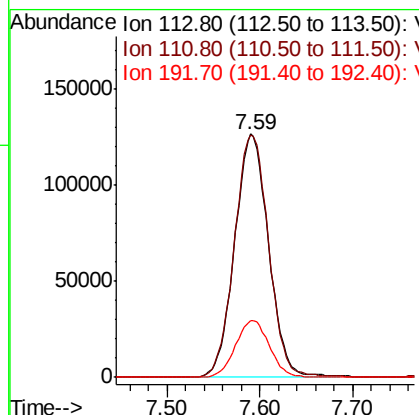
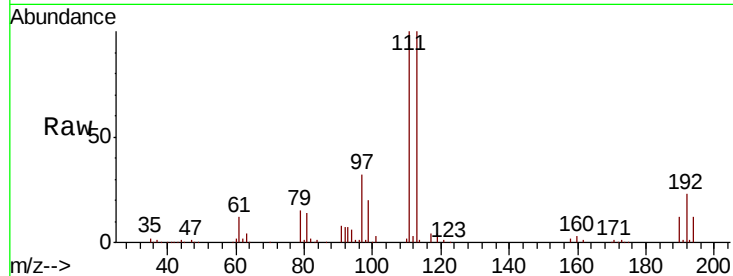
#35
Dibromofluoromethane
Concen: 53.494 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN053759.D
Acq: 13 Feb 2019 17:02

Instrument :
MSVOA_N
ClientSampleId :
VN0213WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.1	81.1	121.7	
192	23.3	18.2	27.2	

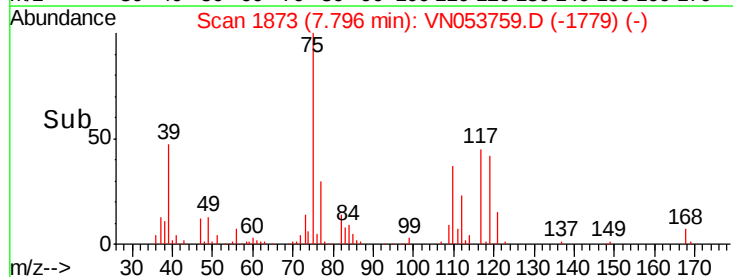
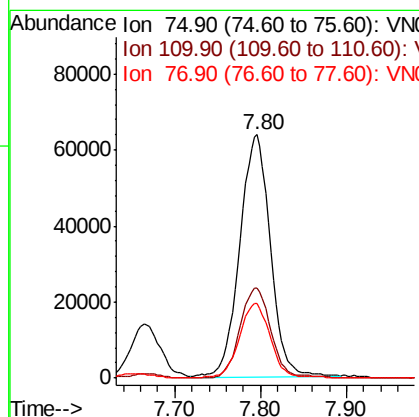
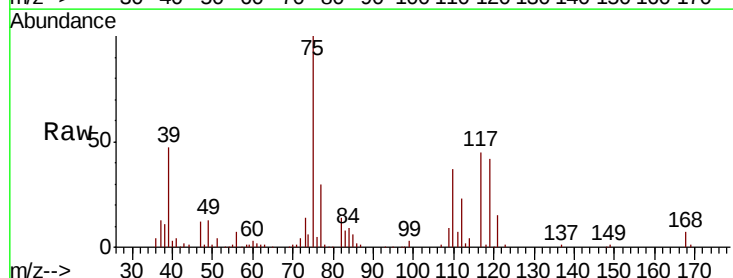
Manual Integrations
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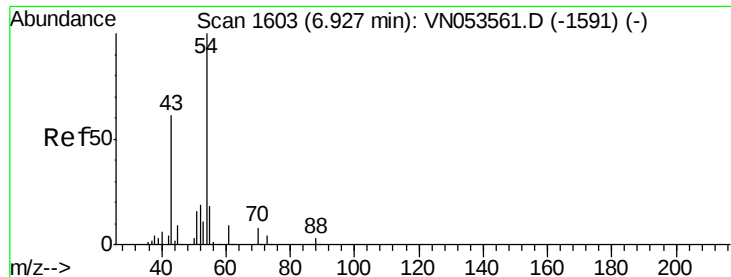
MMDadoda
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#36
1,1-Dichloropropene
Concen: 18.469 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN053759.D
Acq: 13 Feb 2019 17:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	38.1	18.1	54.3	
77	31.2	25.1	37.7	





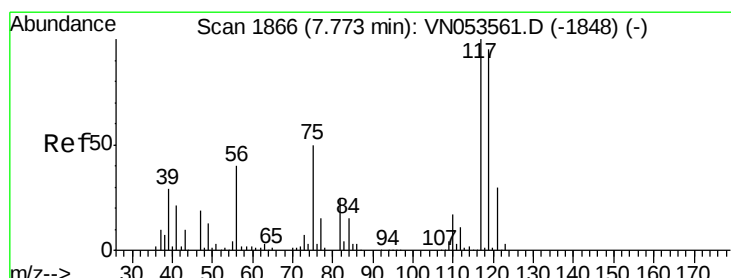
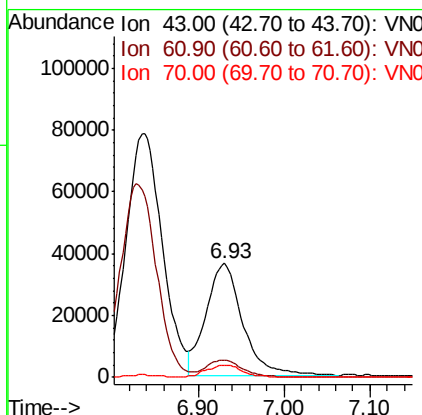
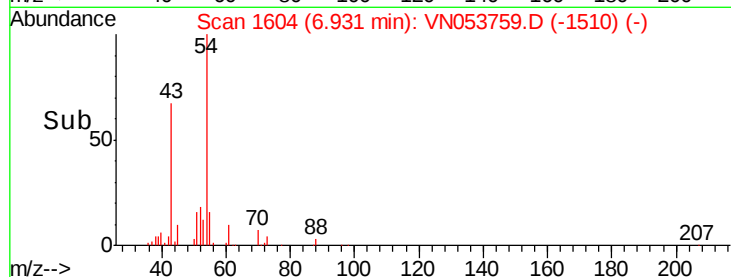
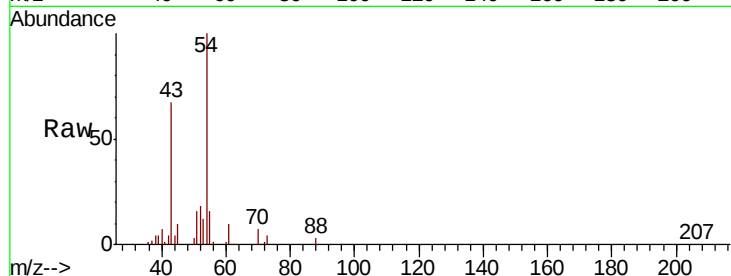
#37
Ethyl Acetate
Concen: 22.876 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053759.D
Acq: 13 Feb 2019 17:02

Instrument :
MSVOA_N
ClientSampleID :
VN0213WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.8	17.6
70	10.9	8.6	12.8

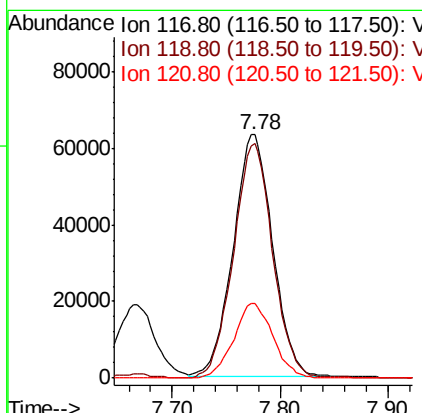
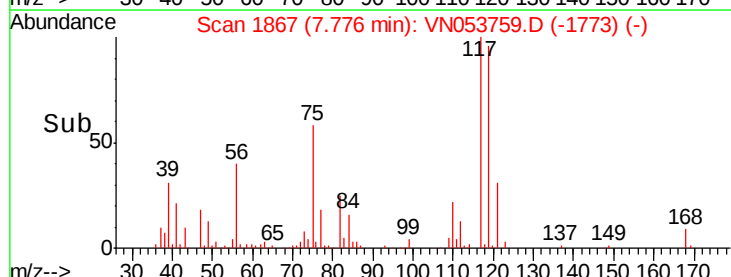
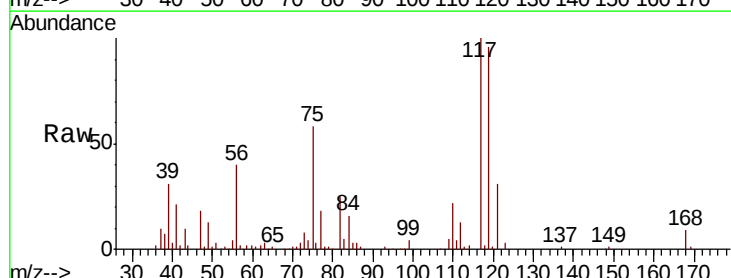
Manual Integrations
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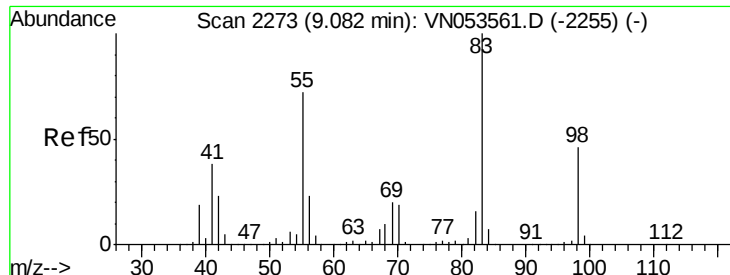
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#38
Carbon Tetrachloride
Concen: 18.701 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053759.D
Acq: 13 Feb 2019 17:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	77.2	115.8
121	30.9	24.6	37.0





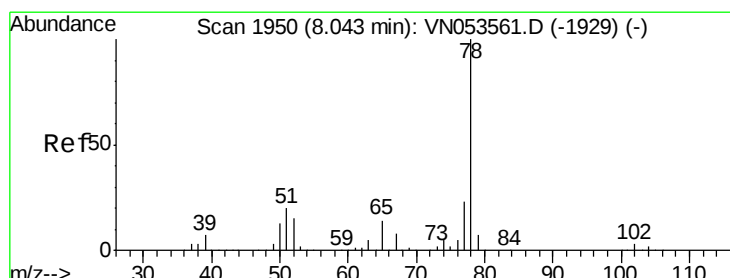
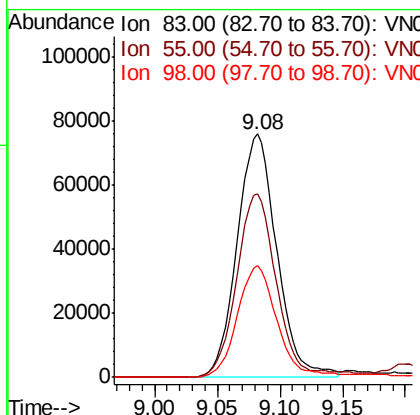
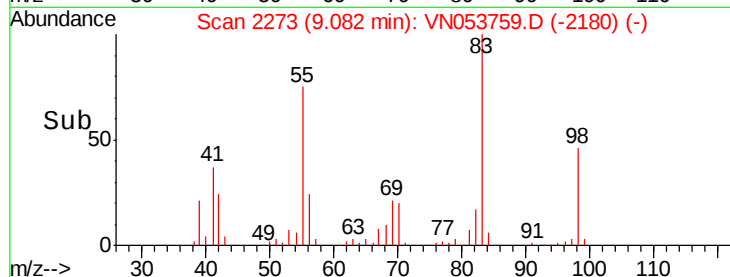
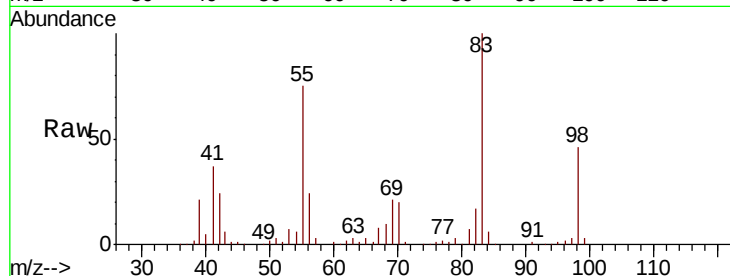
#39
Methvlcvclohexane
Concen: 16.554 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053759.D
Acq: 13 Feb 2019 17:02

Instrument :
MSVOA_N
ClientSampleId :
VN0213WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.3	60.1	90.1
98	45.8	36.6	55.0

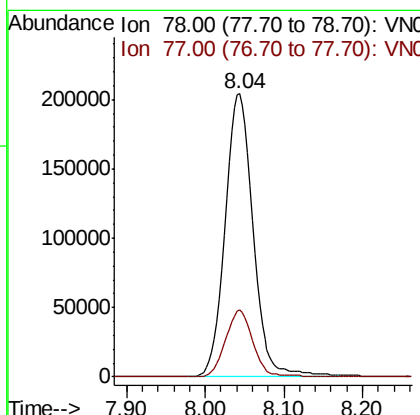
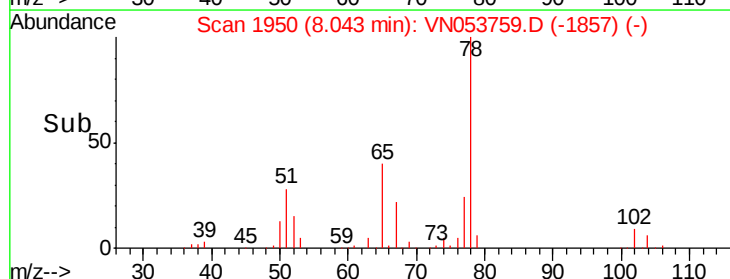
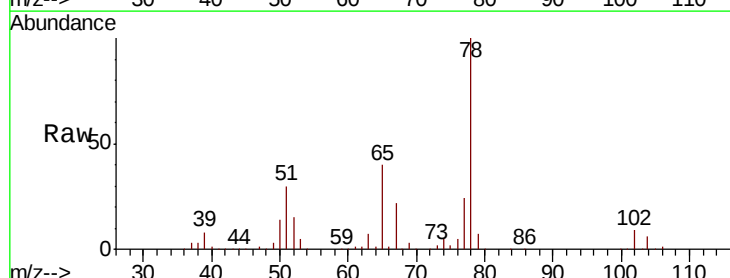
Manual Integrations
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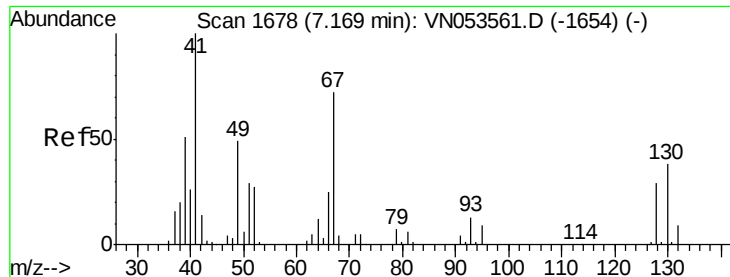
MMDadoda
2/14/2019 10:39:13 AM



#40
Benzene
Concen: 19.141 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053759.D
Acq: 13 Feb 2019 17:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.8	28.2





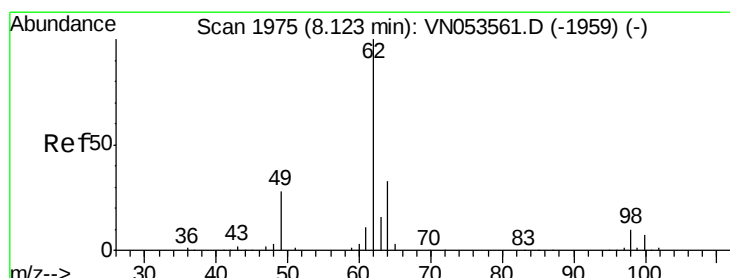
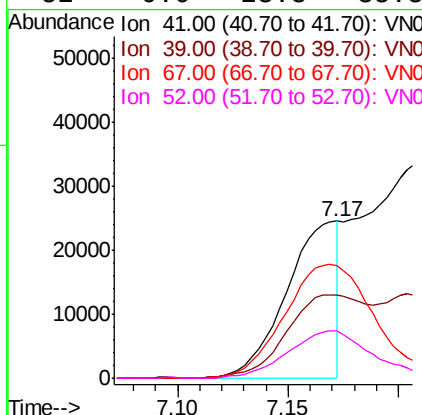
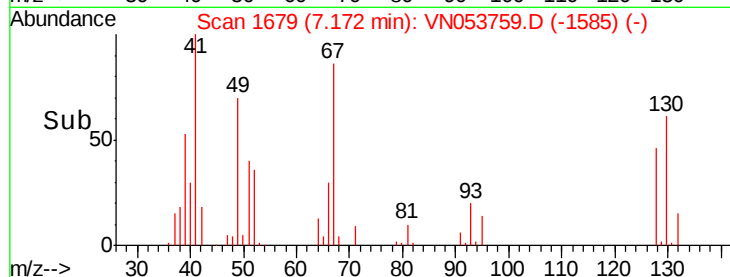
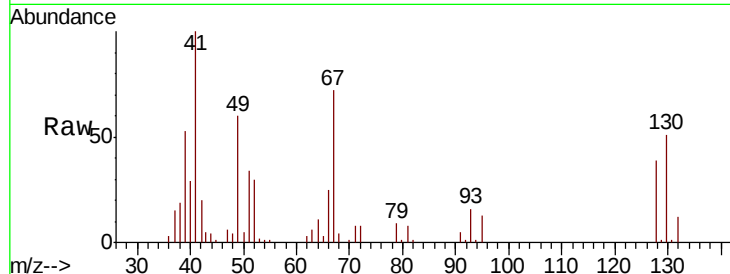
#41
Methacrylonitrile
Concen: 14.954 ug/l m
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN053759.D
Acq: 13 Feb 2019 17:02

Instrument :
MSVOA_N
ClientSampleId :
VN0213WBSD01

Tot Ion	41	Resp	39803
Ion Ratio	Lower	Upper	
41	100		
39	0.0	46.8	70.2#
67	0.0	63.0	94.6#
52	0.0	23.8	35.8#

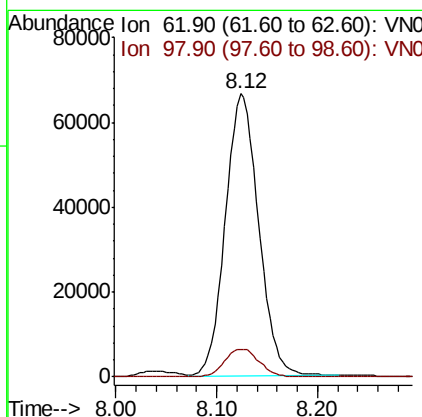
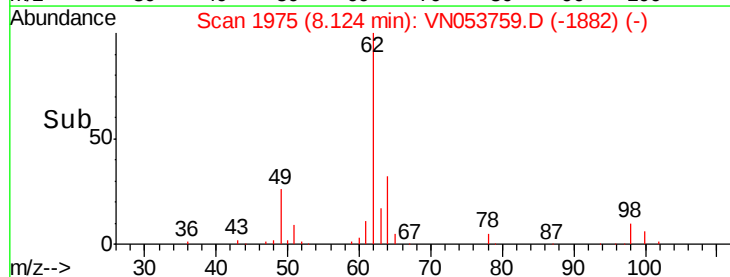
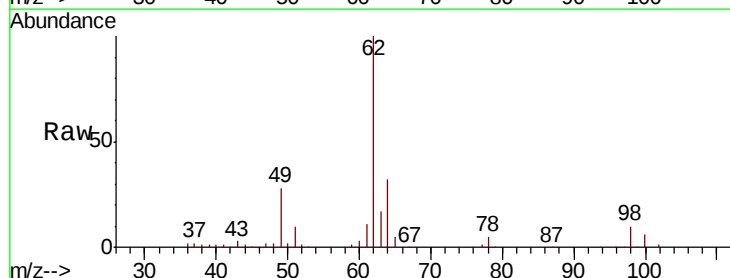
Manual Integrations
APPROVED

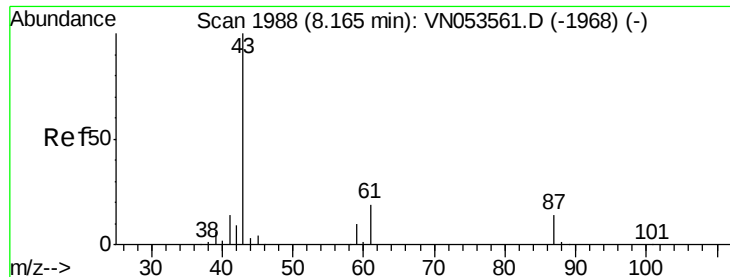
MMDadoda
2/14/2019 10:39:13 AM



#42
1,2-Dichloroethane
Concen: 19.612 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053759.D
Acq: 13 Feb 2019 17:02

Tgt Ion	62	Resp	153120
Ion Ratio	Lower	Upper	
62	100		
98	10.4	0.0	19.6





#43

Isopropyl Acetate

Concen: 21.183 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

Instrument :

MSVOA_N

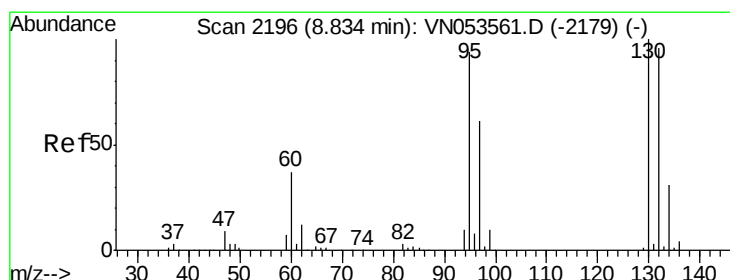
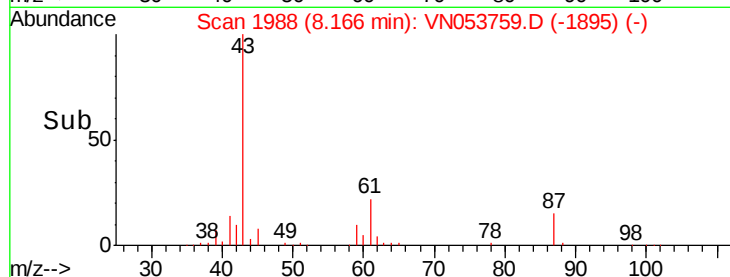
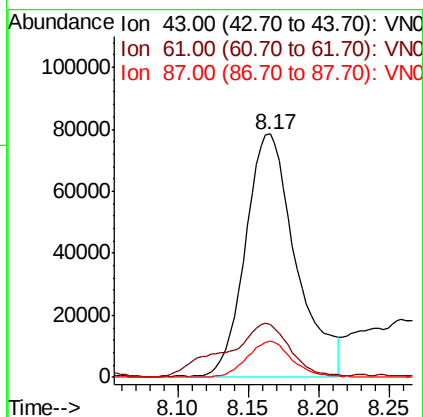
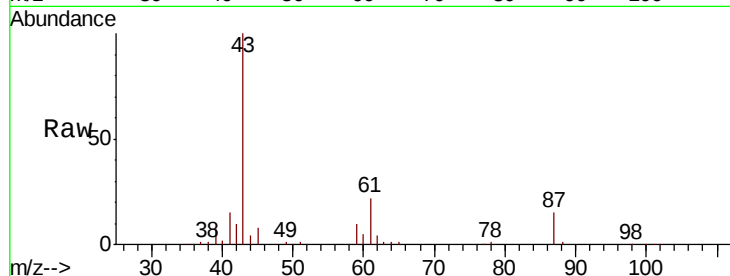
ClientSampleID :

VN0213WBSD01

Tot Ion:	43	Resp:	194817
Ion	Ratio	Lower	Upper
43	100		
61	27.7	23.9	35.9
87	13.1	11.0	16.6

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#44

Trichloroethene

Concen: 17.766 ug/l

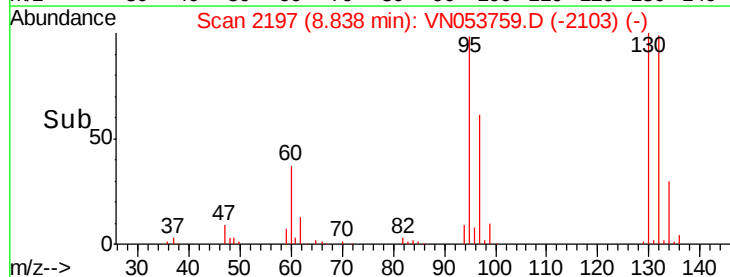
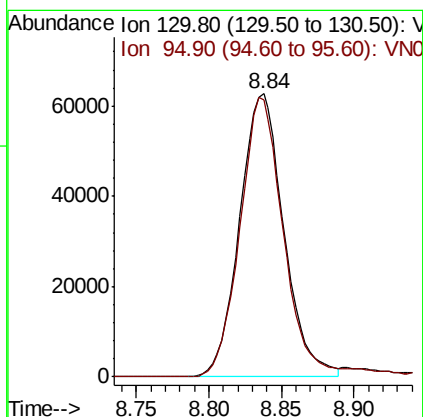
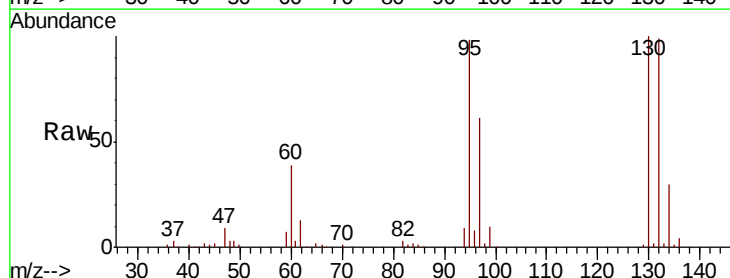
RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

Tgt Ion:	130	Resp:	132992
Ion	Ratio	Lower	Upper
130	100		
95	97.8	0.0	191.4





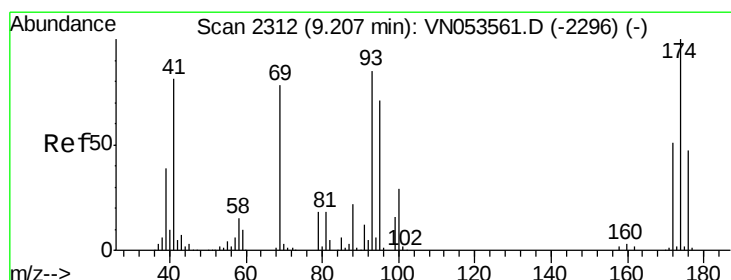
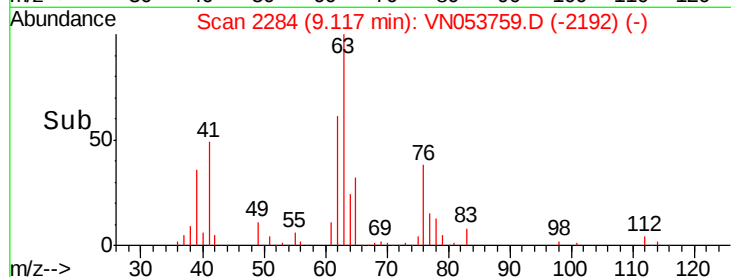
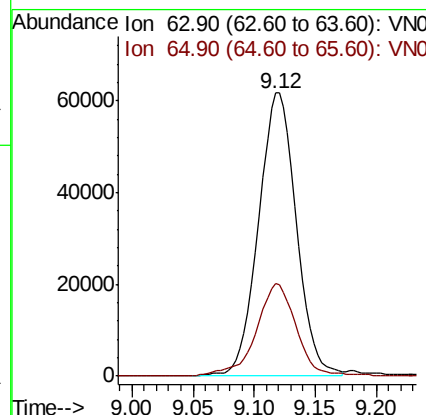
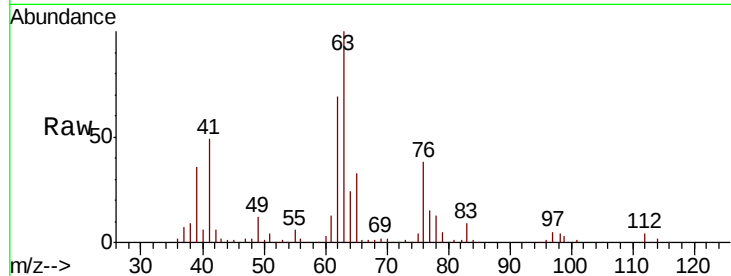
#45
 1,2-Dichloropropane
 Concen: 19.727 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN053759.D
 Acq: 13 Feb 2019 17:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0213WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.9	25.0	37.4

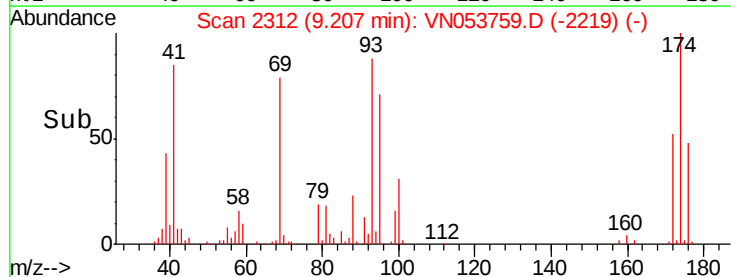
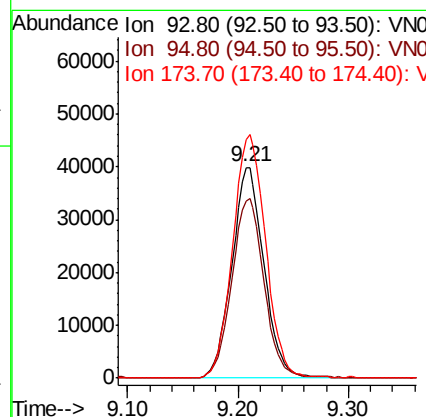
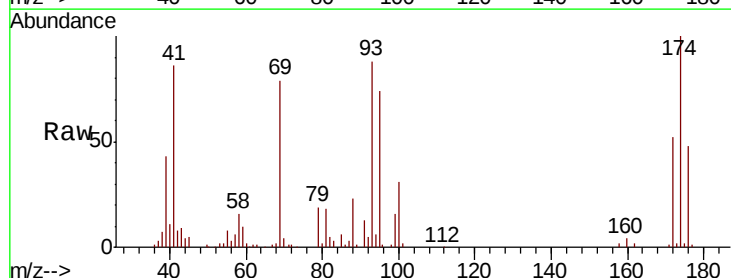
Manual Integrations
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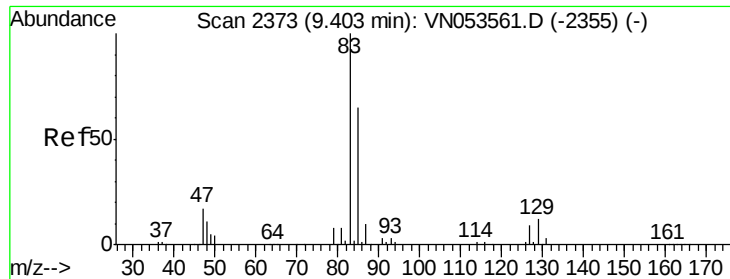
MMDadoda
 2/14/2019 10:39:13 AM



#46
 Dibromomethane
 Concen: 19.916 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN053759.D
 Acq: 13 Feb 2019 17:02

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.1	67.3	100.9
174	118.0	91.0	136.4





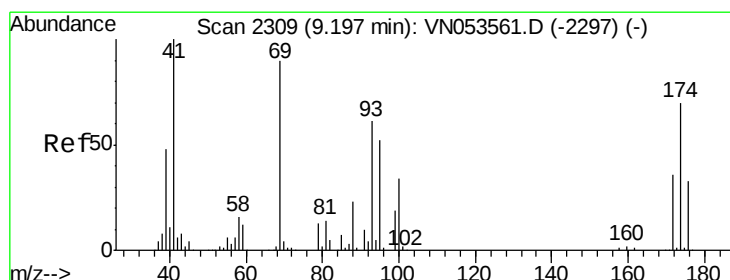
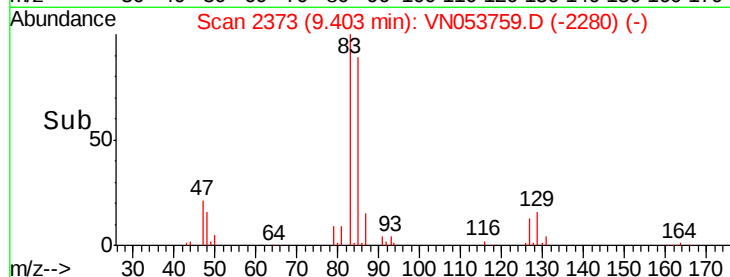
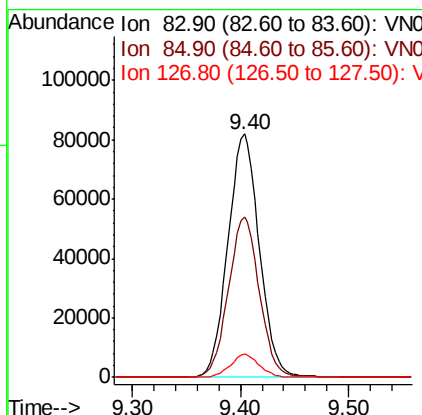
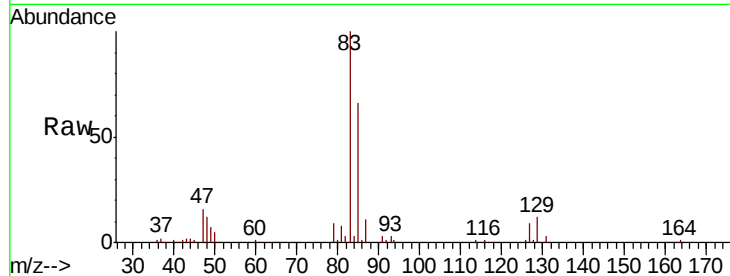
#47
Bromodichloromethane
Concen: 19.736 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053759.D
Acq: 13 Feb 2019 17:02

Instrument :
MSVOA_N
ClientSampleId :
VN0213WBSD01

Tot Ion	83	Resp	166363
Ion Ratio	100	Lower	Upper
83	100		
85	66.0	51.0	76.6
127	9.4	7.0	10.6

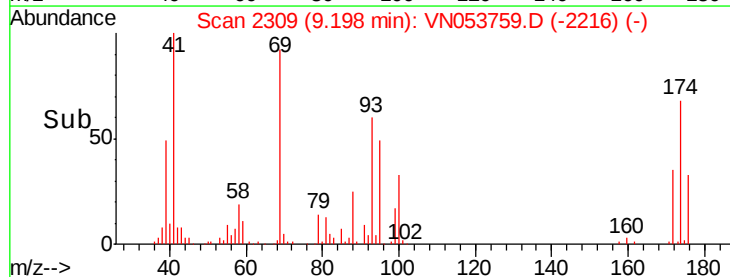
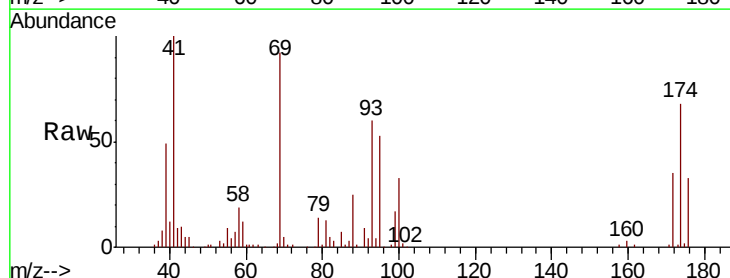
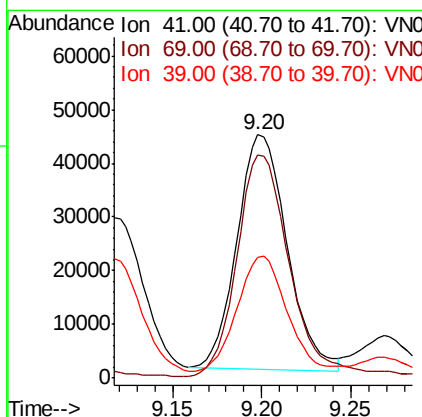
Manual Integrations
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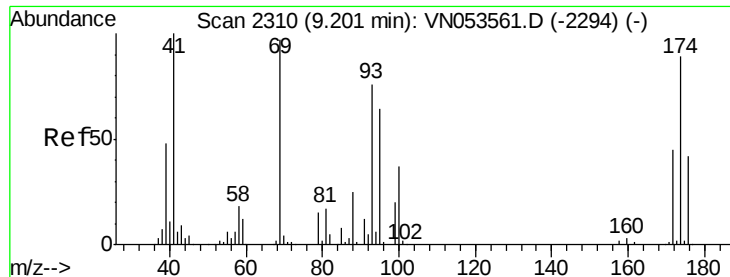
MMDadoda
2/14/2019 10:39:13 AM



#48
Methyl methacrylate
Concen: 19.516 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN053759.D
Acq: 13 Feb 2019 17:02

Tgt Ion	41	Resp	85675
Ion Ratio	100	Lower	Upper
41	100		
69	100.8	73.8	110.6
39	54.2	40.0	60.0





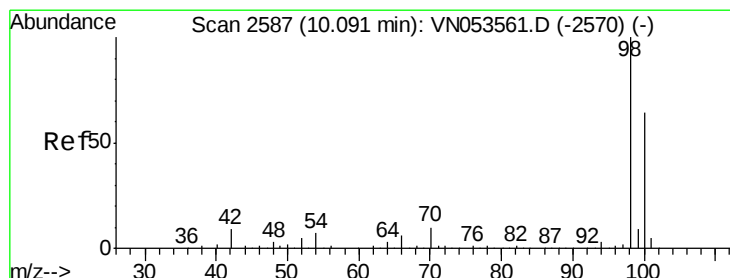
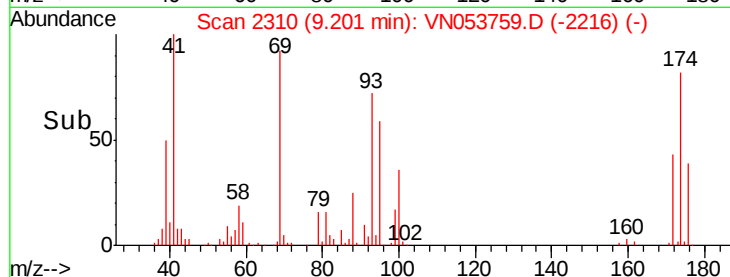
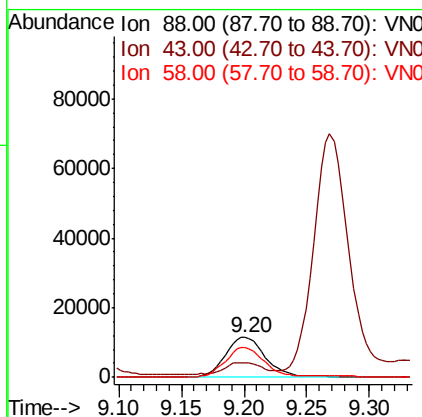
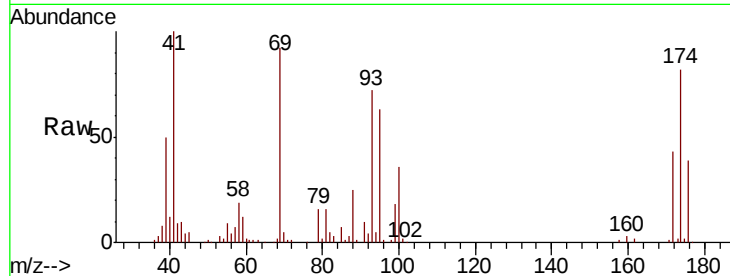
#49
1,4-Dioxane
Concen: 428.022 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053759.D
Acq: 13 Feb 2019 17:02

Instrument :
MSVOA_N
ClientSampleId :
VN0213WBSD01

Tot Ion	88	Resp	25747
Ion	Ratio	Lower	Upper
88	100		
43	30.8	27.8	41.6
58	72.0	56.5	84.7

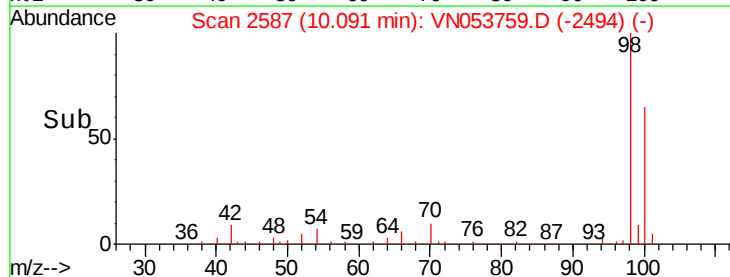
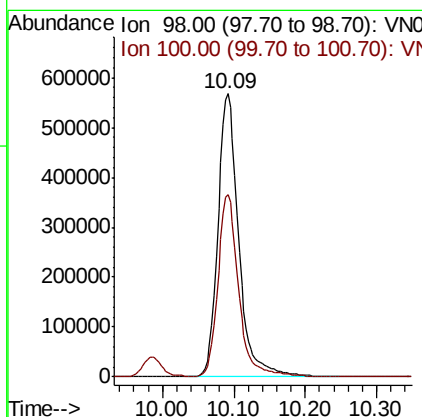
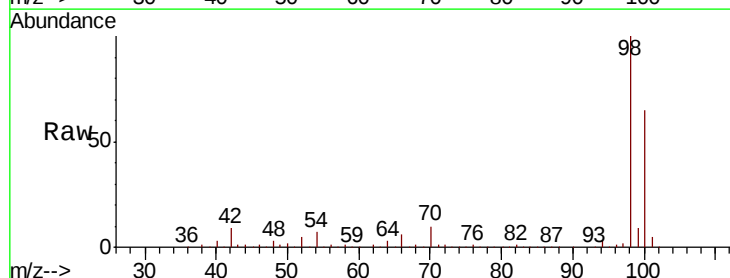
Manual Integrations
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#50
Toluene-d8
Concen: 51.152 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053759.D
Acq: 13 Feb 2019 17:02

Tgt Ion	98	Resp	1147964
Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.4	77.0





#51

4-Methyl-2-Pentanone

Concen: 108.795 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

Instrument :

MSVOA_N

ClientSampleId :

VN0213WBSD01

Tot Ion: 43 Resp: 491687

Ion Ratio Lower Upper

43 100

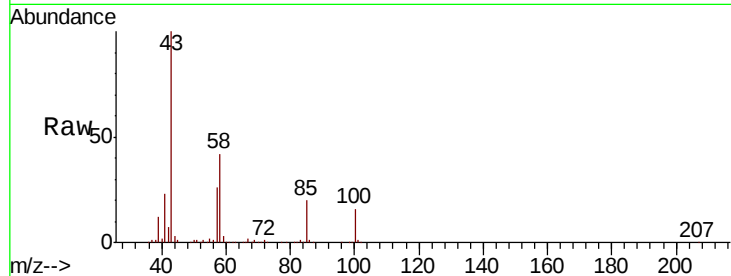
58 41.4 32.8 49.2

Manual Integrations

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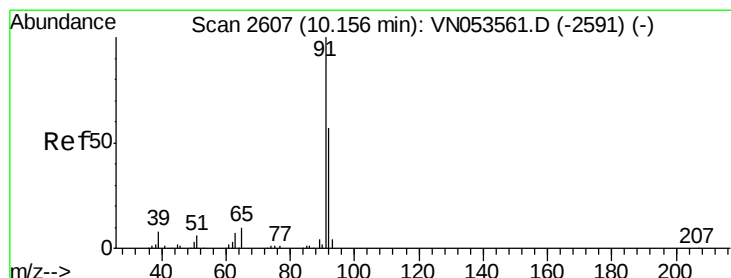
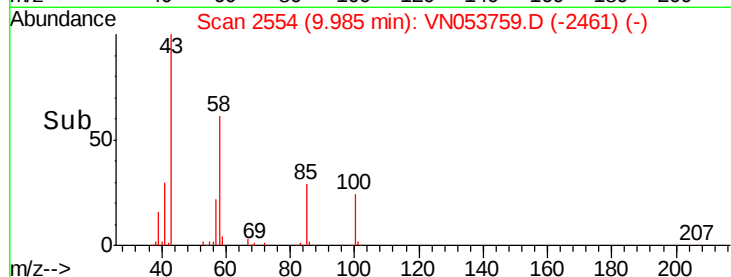
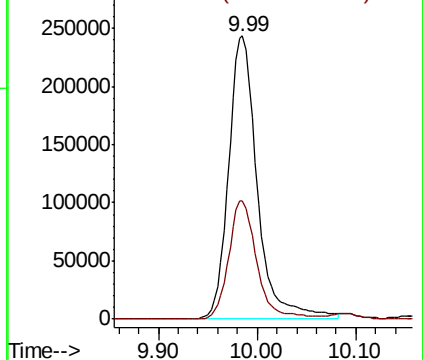
MMDadoda

2/14/2019 10:39:13 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.454 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053759.D

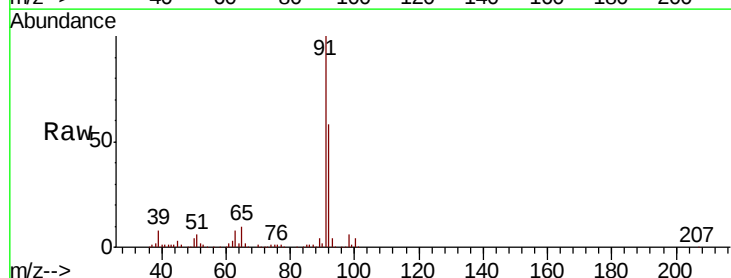
Acq: 13 Feb 2019 17:02

Tgt Ion: 92 Resp: 303585

Ion Ratio Lower Upper

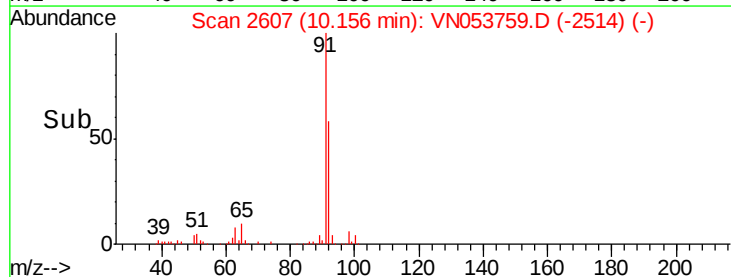
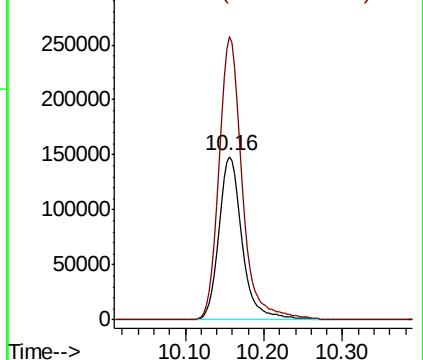
92 100

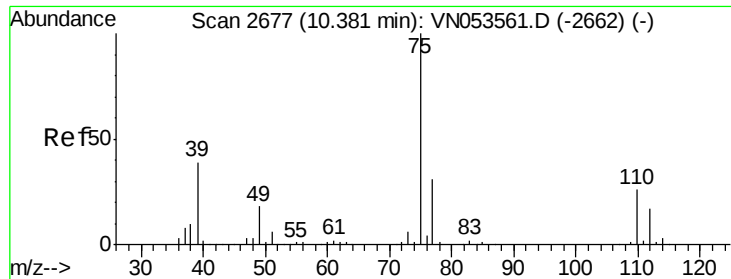
91 172.7 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





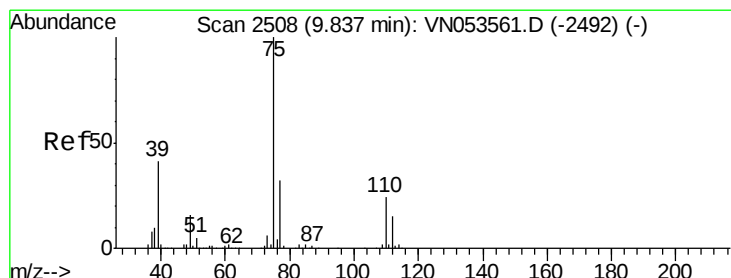
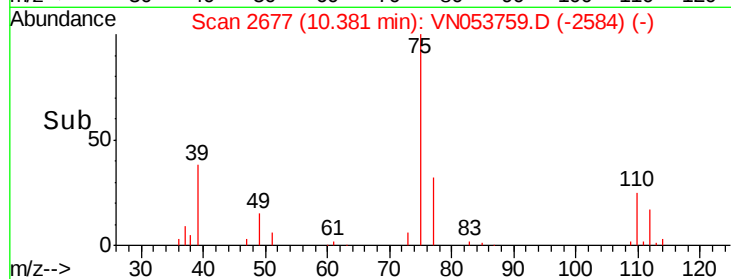
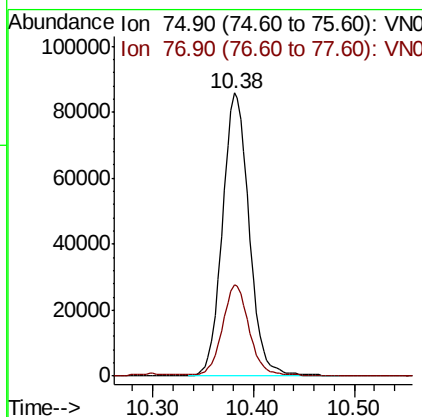
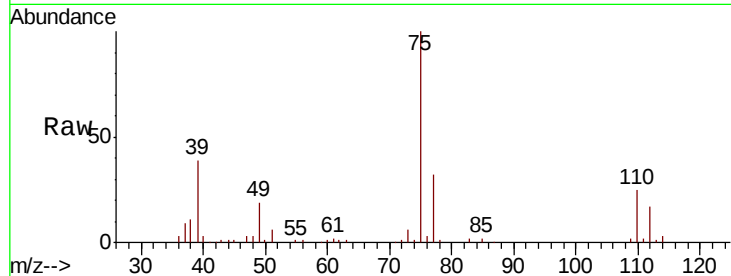
#53
t-1,3-Dichloropropene
Concen: 18.820 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN053759.D
Acq: 13 Feb 2019 17:02

Instrument :
MSVOA_N
ClientSampleId :
VN0213WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.5	38.3

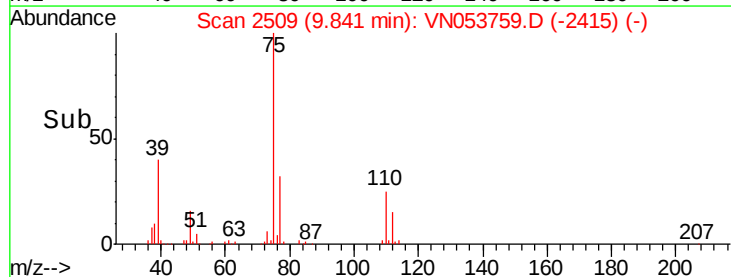
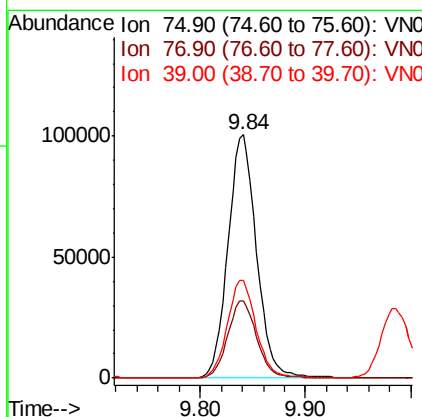
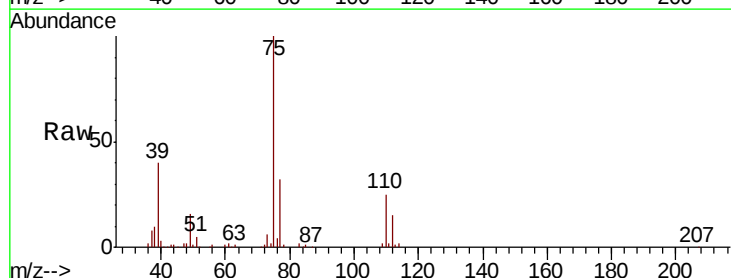
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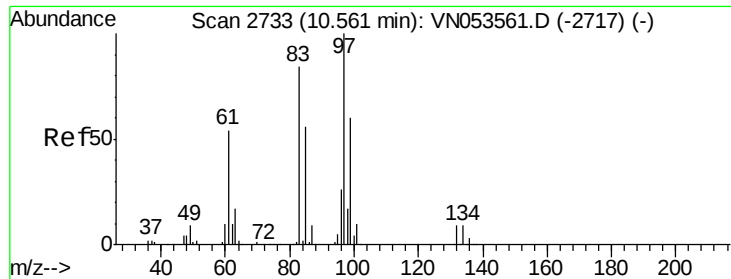
MMDadoda
2/14/2019 10:39:13 AM



#54
cis-1,3-Dichloropropene
Concen: 18.841 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053759.D
Acq: 13 Feb 2019 17:02

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.8	38.6
39	40.0	33.4	50.0





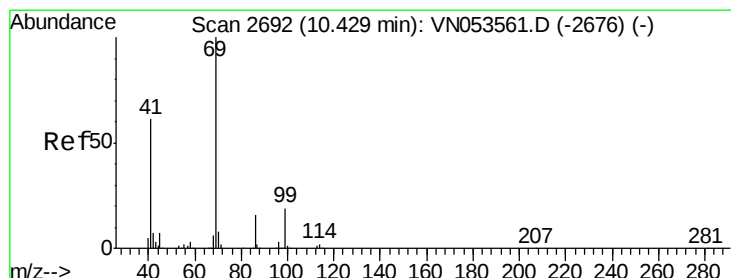
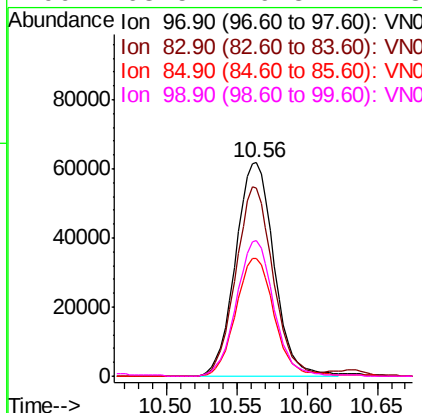
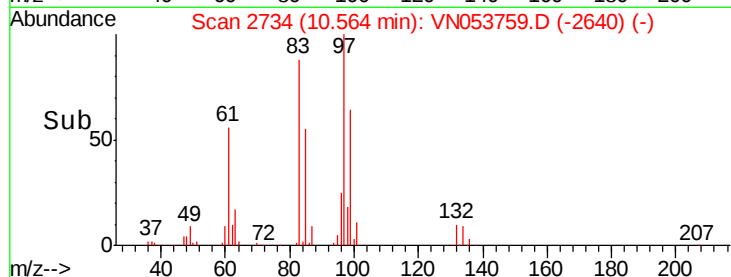
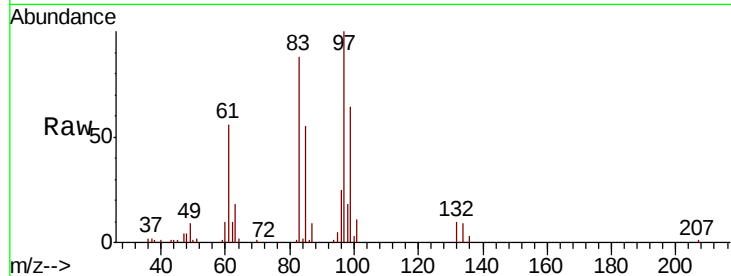
#55
 1,1,2-Trichloroethane
 Concen: 21.007 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053759.D
 Acq: 13 Feb 2019 17:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0213WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		118130		
83	87.9	70.1	105.1		
85	55.1	45.4	68.0		
99	63.5	49.8	74.8		

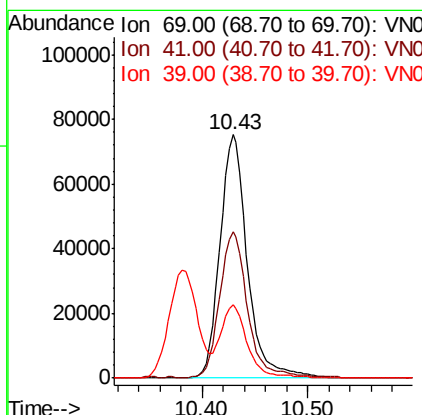
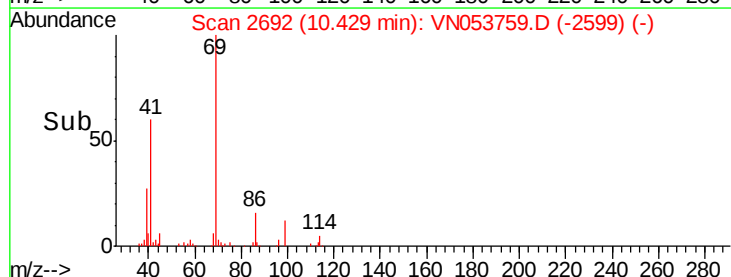
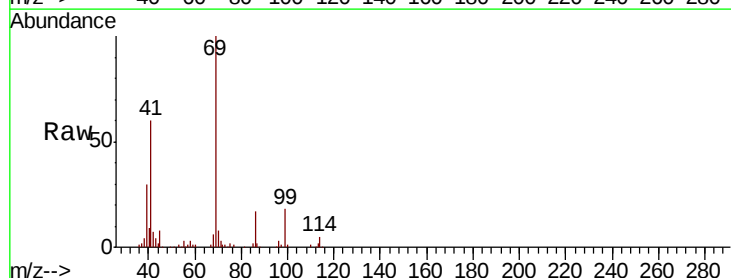
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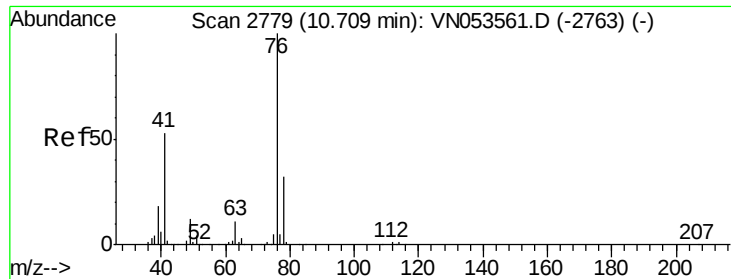
MMDadoda
 2/14/2019 10:39:13 AM



#56
 Ethyl methacrylate
 Concen: 20.341 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053759.D
 Acq: 13 Feb 2019 17:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		135314		
41	60.6	49.4	74.0		
39	29.9	23.3	34.9		





#57

1,3-Dichloropropane

Concen: 20.189 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

Instrument :

MSVOA_N

ClientSampleId :

VN0213WBSD01

Tot Ion: 76 Resp: 194034

Ion Ratio Lower Upper

76 100

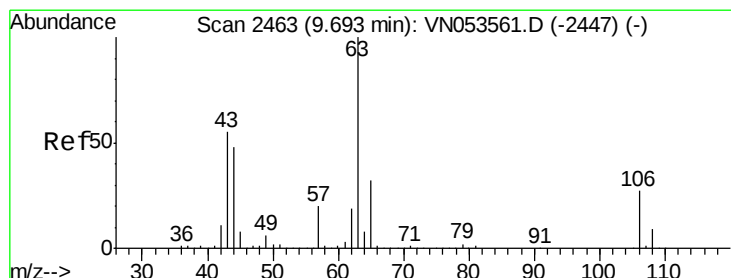
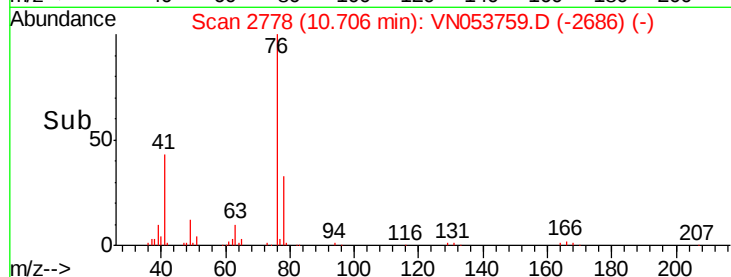
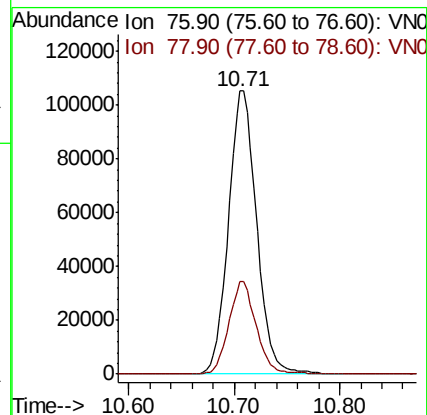
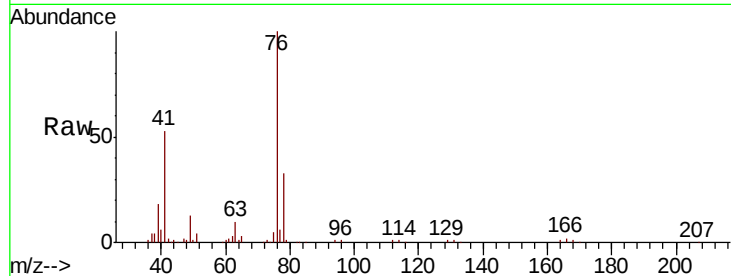
78 31.8 25.6 38.4

Manual Integrations

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2/14/2019 10:39:13 AM



#58

2-Chloroethyl Vinyl ether

Concen: 83.217 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053759.D

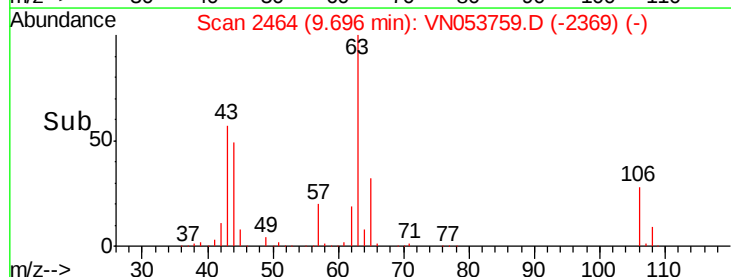
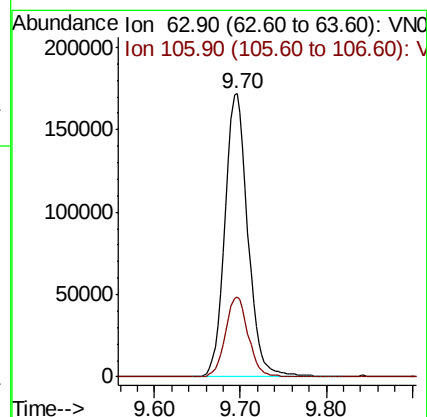
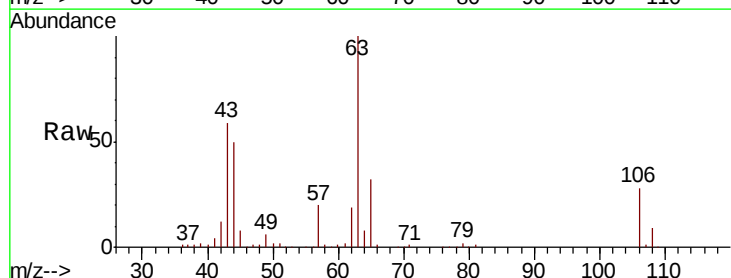
Acq: 13 Feb 2019 17:02

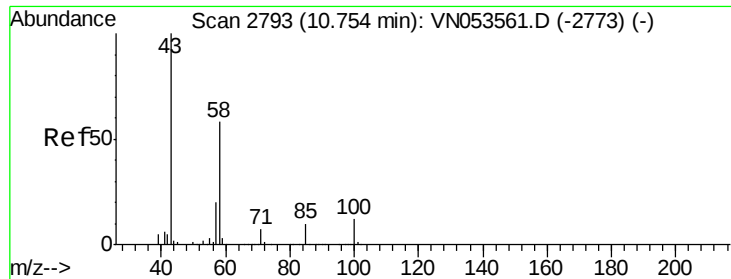
Tgt Ion: 63 Resp: 320554

Ion Ratio Lower Upper

63 100

106 28.1 21.5 32.3





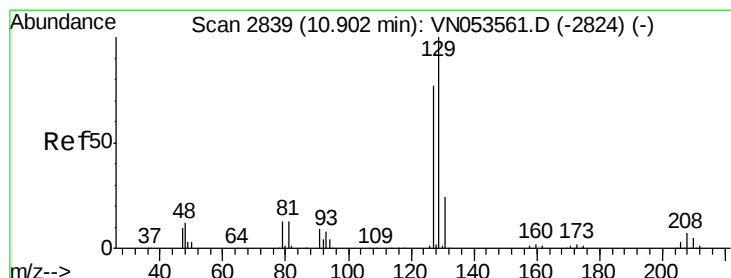
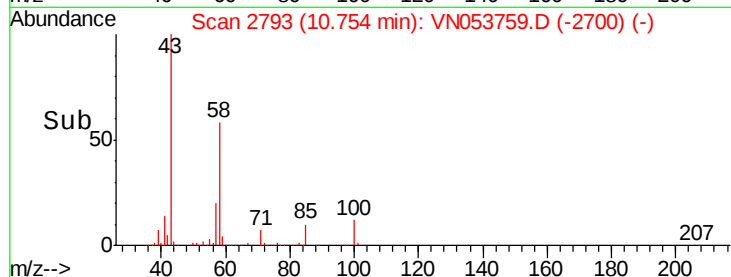
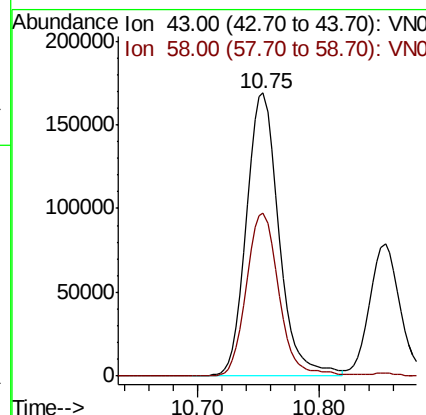
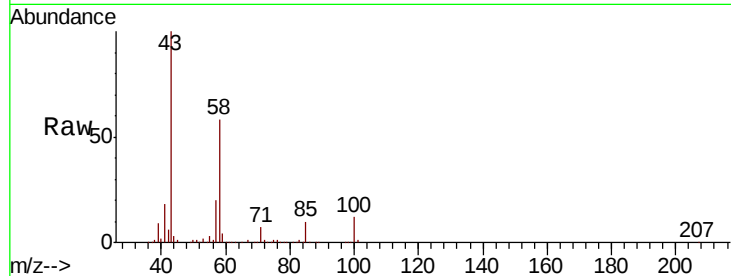
#59
2-Hexanone
Concen: 100.670 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053759.D
Acq: 13 Feb 2019 17:02

Instrument :
MSVOA_N
ClientSampleId :
VN0213WBSD01

Tot Ion	43	Resp	308865
Ion Ratio	43	100	
Lower	58	57.9	28.6
Upper			85.8

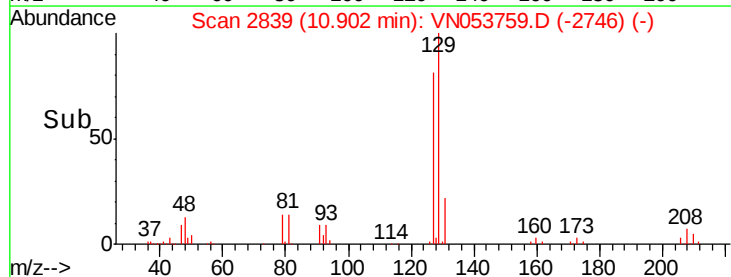
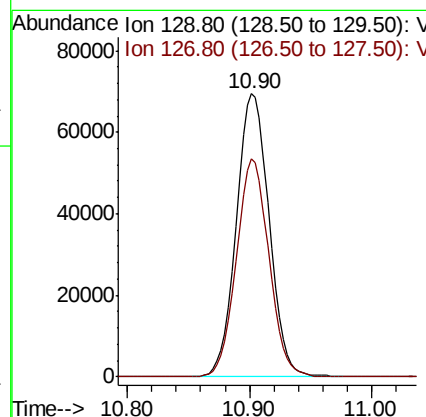
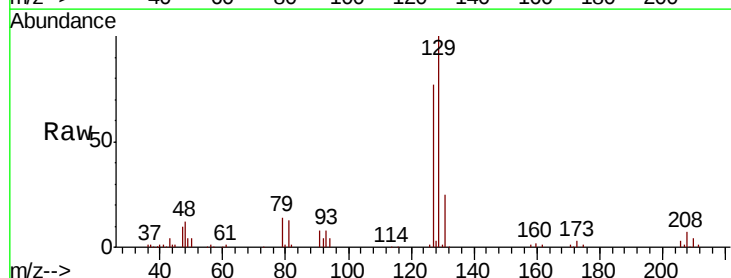
Manual Integrations
APPROVED

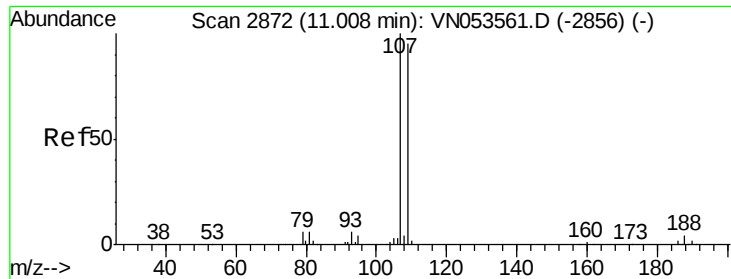
MMDadoda
2/14/2019 10:39:13 AM



#60
Dibromochloromethane
Concen: 20.392 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053759.D
Acq: 13 Feb 2019 17:02

Tgt Ion	129	Resp	129313
Ion Ratio	129 <td>100</td> <td></td>	100	
Lower	127	76.7	38.6
Upper			115.8





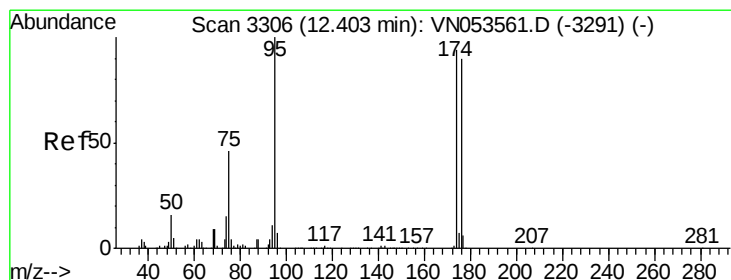
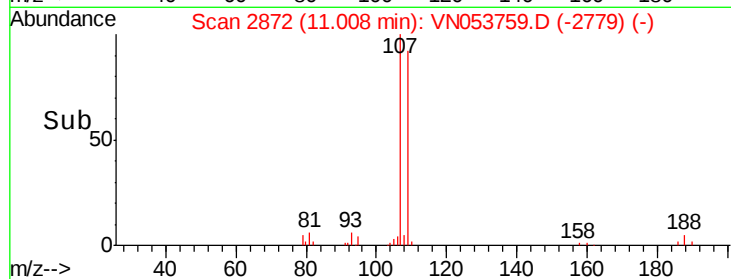
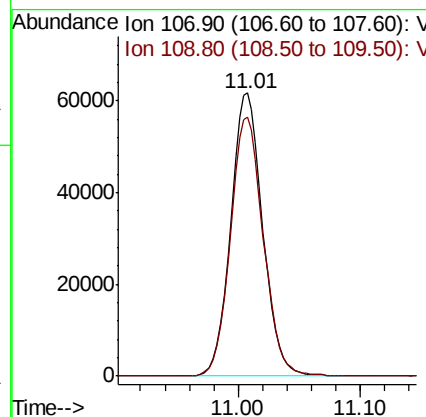
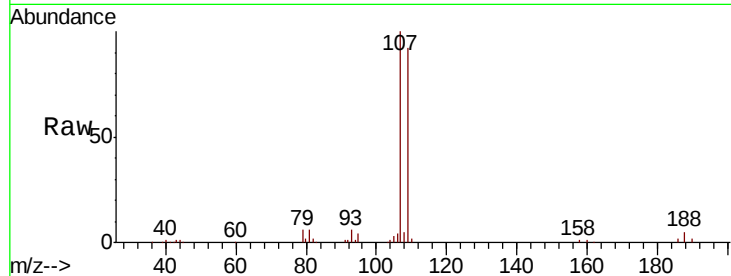
#61
 1,2-Dibromoethane
 Concen: 20.203 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053759.D
 Acq: 13 Feb 2019 17:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0213WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.7	113.5

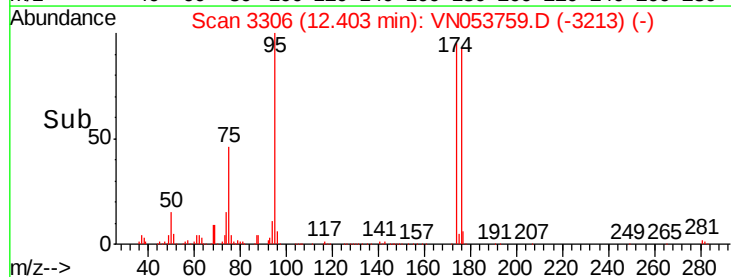
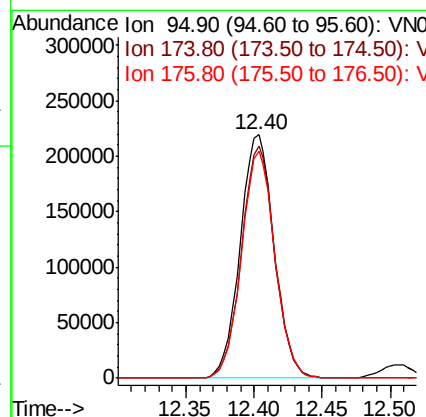
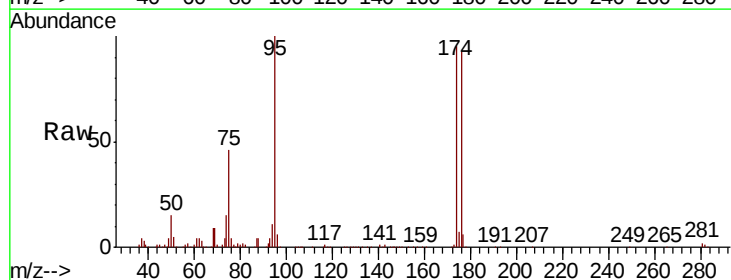
Manual Integrations
 APPROVED

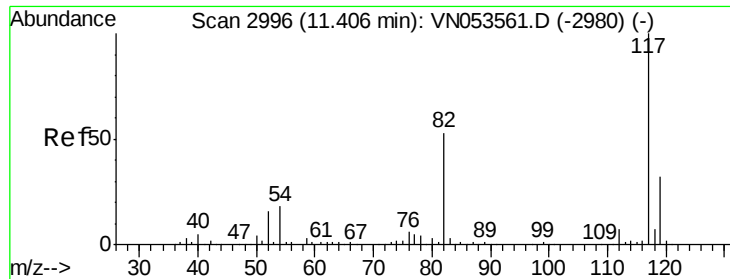
MMDadoda
 2/14/2019 10:39:13 AM



#62
 4-Bromofluorobenzene
 Concen: 50.493 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN053759.D
 Acq: 13 Feb 2019 17:02

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.9	0.0	183.2
176	91.8	0.0	177.4





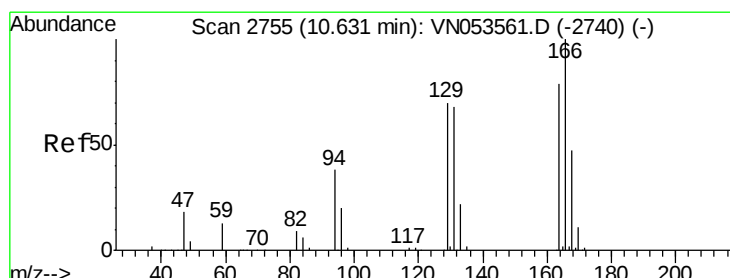
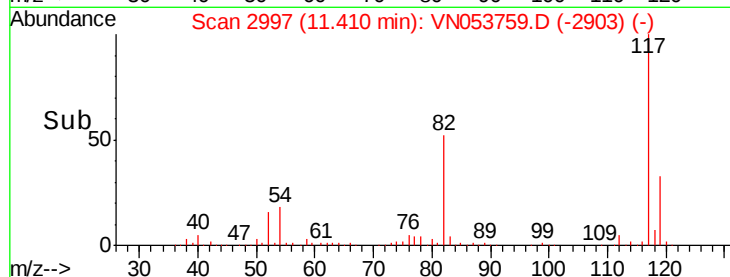
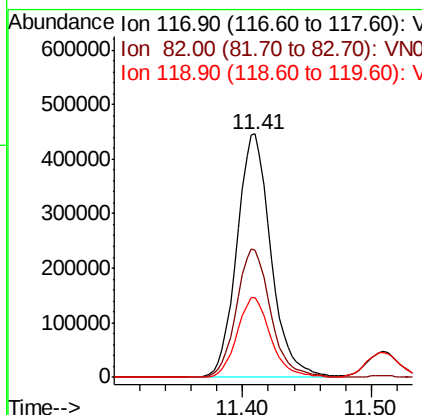
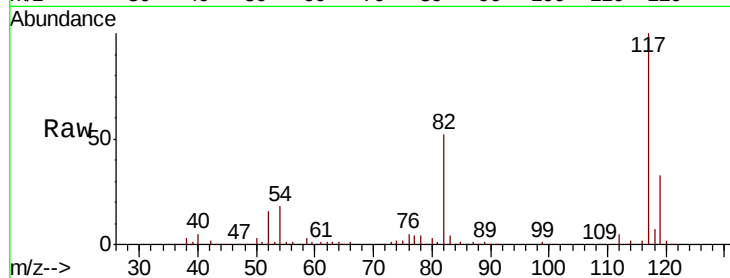
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053759.D
Acq: 13 Feb 2019 17:02

Instrument :
MSVOA_N
ClientSampleId :
VN0213WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.3	42.9	64.3
119	32.6	26.0	39.0

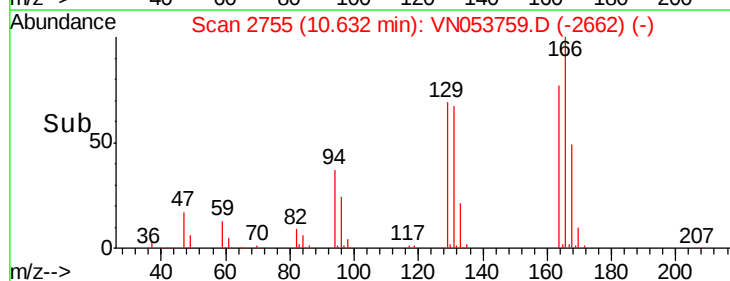
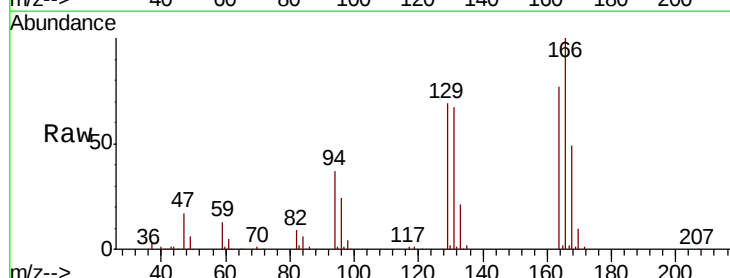
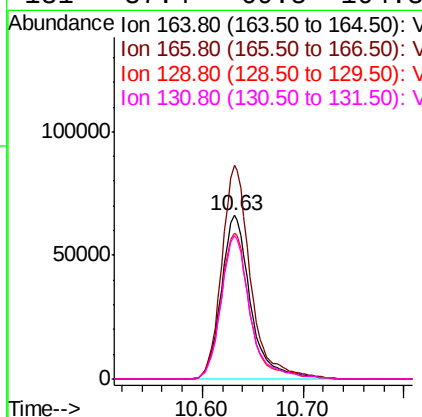
Manual Integrations
APPROVED

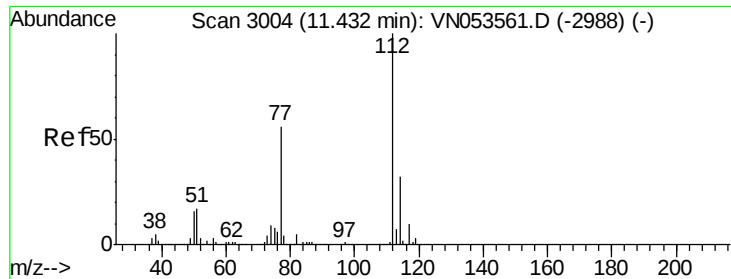
MMDadoda
2/14/2019 10:39:13 AM



#64
Tetrachloroethene
Concen: 19.141 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053759.D
Acq: 13 Feb 2019 17:02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.7	102.2	153.4
129	89.6	72.6	109.0
131	87.4	69.5	104.3





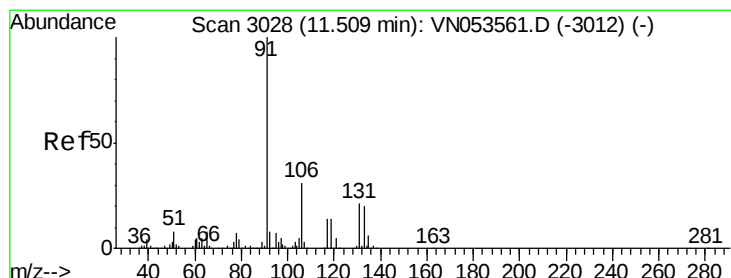
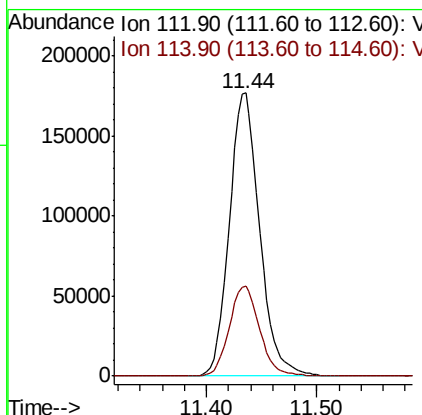
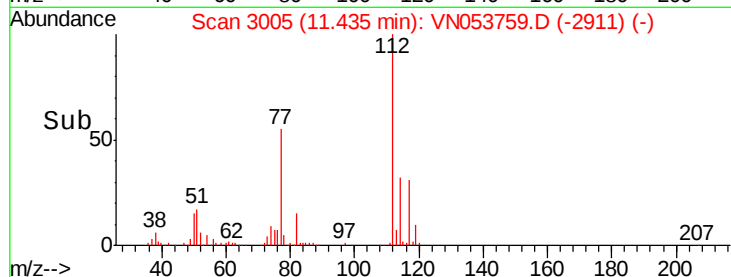
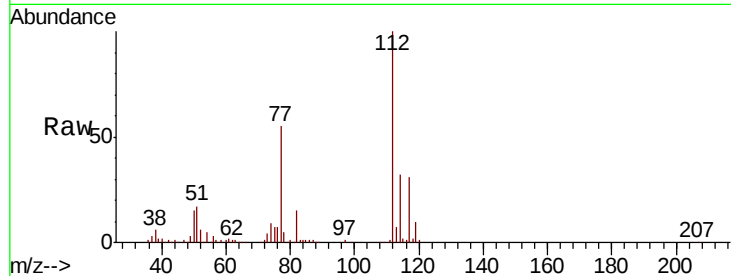
#65
Chlorobenzene
Concen: 19.288 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN053759.D
Acq: 13 Feb 2019 17:02

Instrument :
MSVOA_N
ClientSampleId :
VN0213WBSD01

Tot Ion:112 Resp: 335607
Ion Ratio Lower Upper
112 100
114 31.7 25.3 37.9

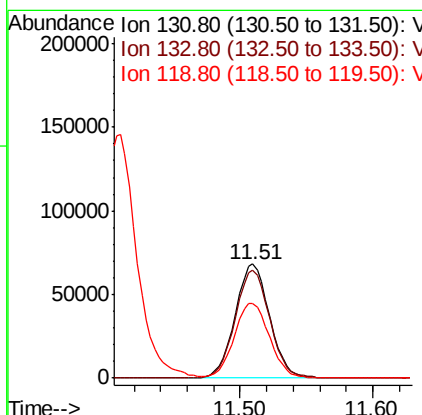
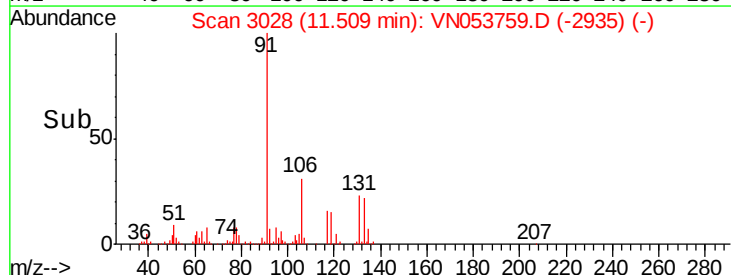
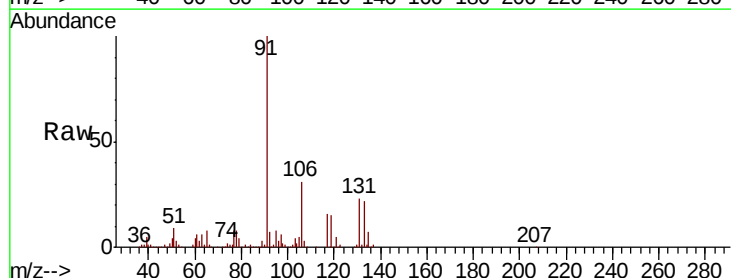
Manual Integrations
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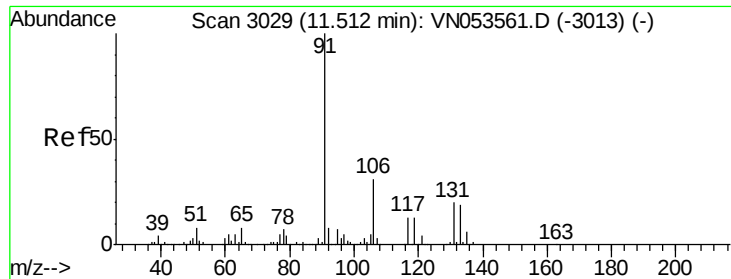
MMDadoda
2/14/2019 10:39:13 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.254 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053759.D
Acq: 13 Feb 2019 17:02

Tgt Ion:131 Resp: 123073
Ion Ratio Lower Upper
131 100
133 94.9 48.0 144.0
119 67.7 33.5 100.5





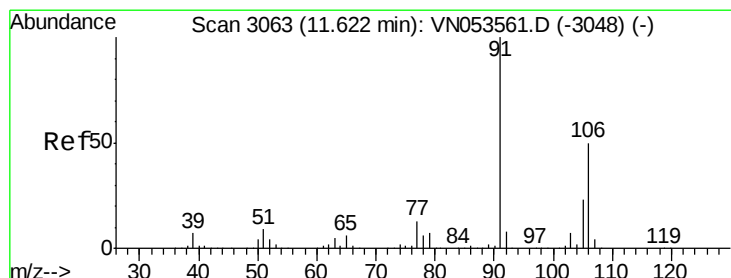
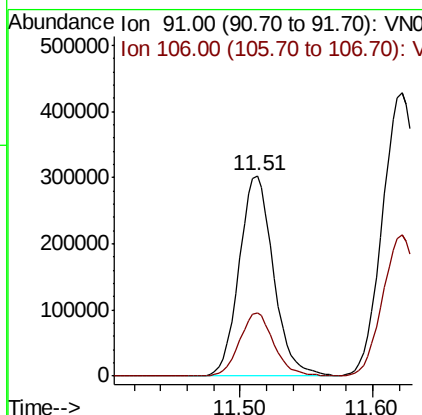
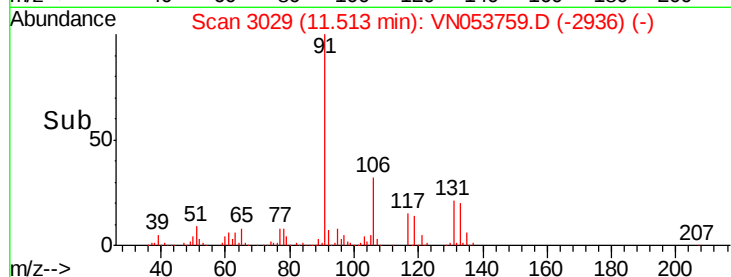
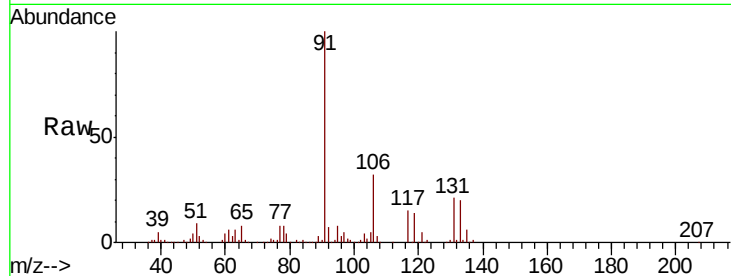
#67
Ethyl Benzene
Concen: 19.013 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053759.D
Acq: 13 Feb 2019 17:02

Instrument :
MSVOA_N
ClientSampleId :
VN0213WBSD01

Tot Ion: 91 Resp: 543434
Ion Ratio Lower Upper
91 100
106 31.7 25.0 37.6

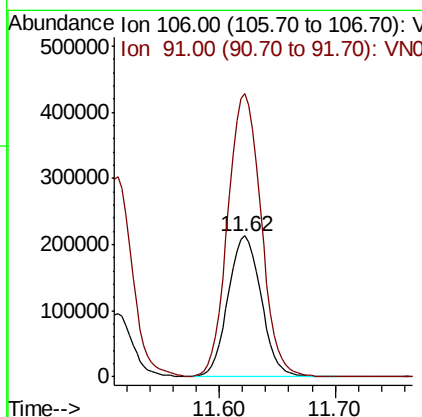
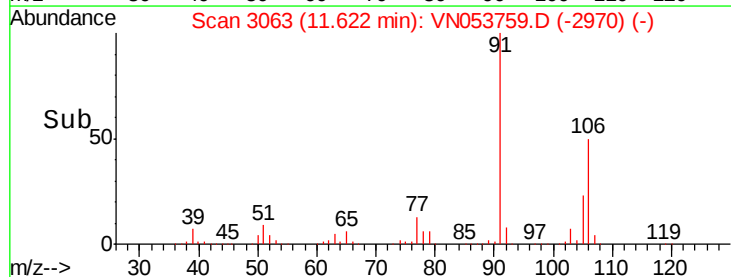
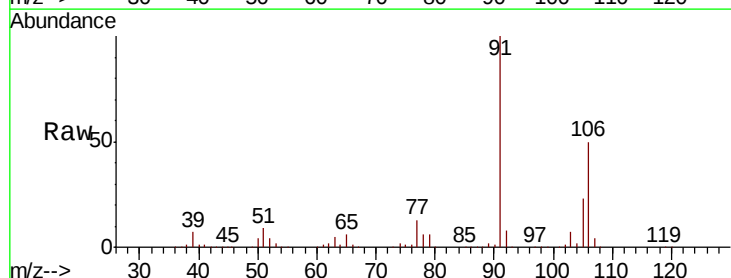
Manual Integrations
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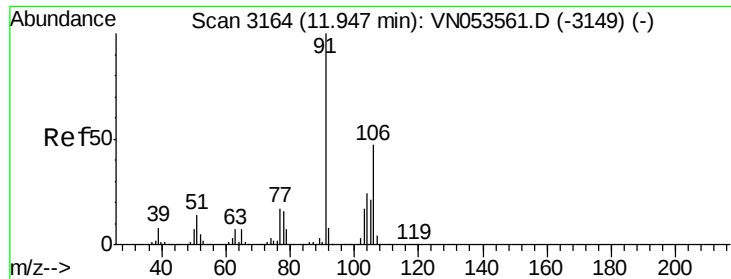
MMDadoda
2/14/2019 10:39:13 AM



#68
m/p-Xylenes
Concen: 38.933 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053759.D
Acq: 13 Feb 2019 17:02

Tgt Ion: 106 Resp: 424704
Ion Ratio Lower Upper
106 100
91 201.1 161.4 242.2





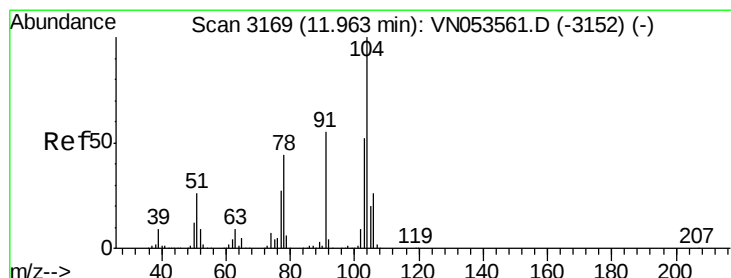
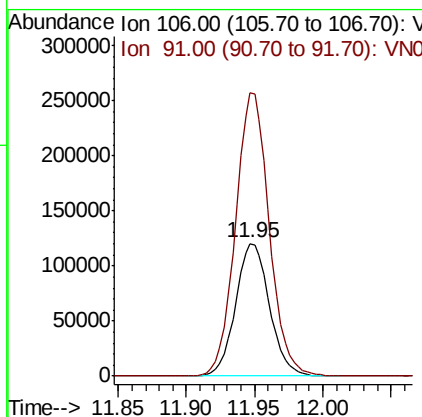
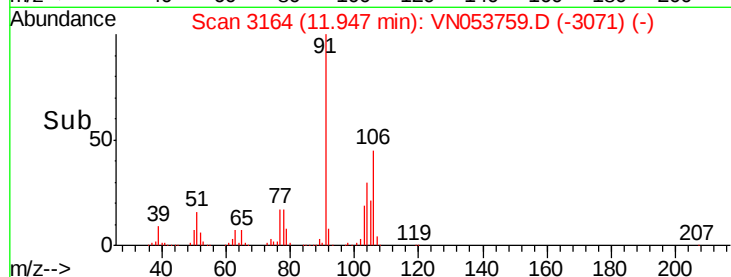
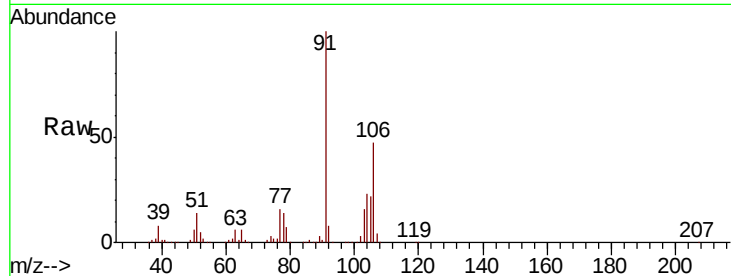
#69
o-Xylene
Concen: 19.648 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053759.D
Acq: 13 Feb 2019 17:02

Instrument :
MSVOA_N
ClientSampleId :
VN0213WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	207068		
91	91	212.0	106.9	320.8	

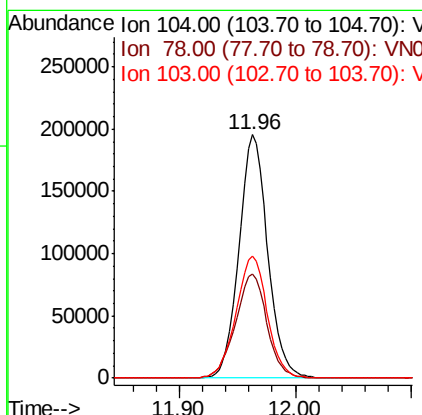
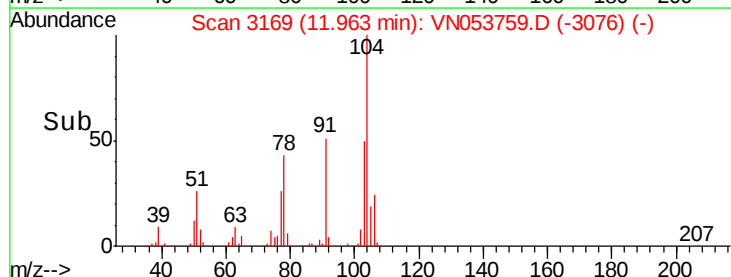
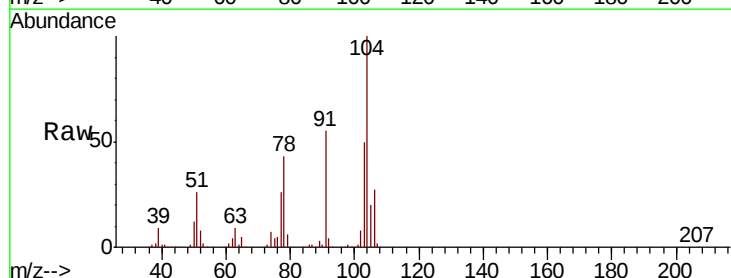
Manual Integrations
APPROVED

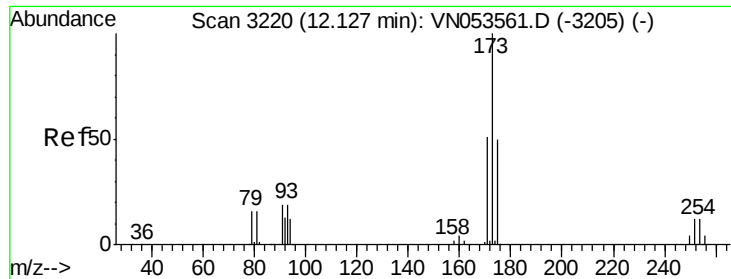
MMDadoda
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#70
Styrene
Concen: 19.616 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053759.D
Acq: 13 Feb 2019 17:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	335075		
78	78	46.8	38.2	57.2	
103	103	54.4	44.4	66.6	





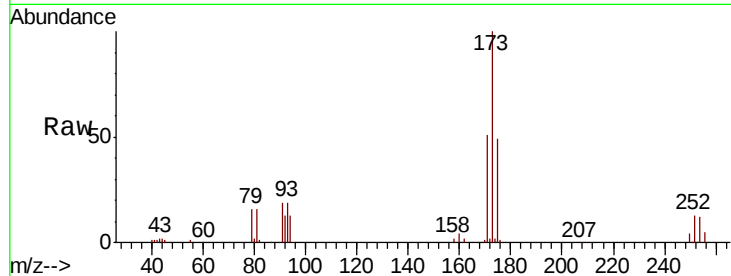
#71
Bromoform
Concen: 21.242 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053759.D
Acq: 13 Feb 2019 17:02

Instrument :
MSVOA_N
ClientSampleId :
VN0213WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.6	74.0
254	0.0	0.2	0.2

Manual Integrations
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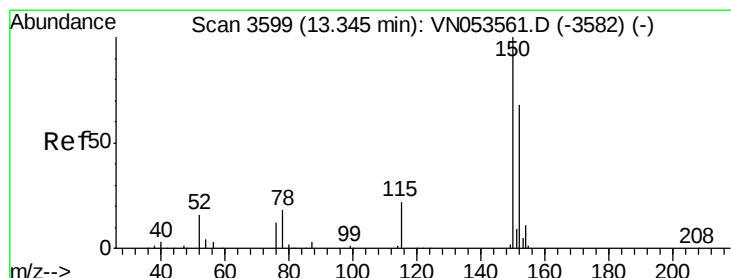
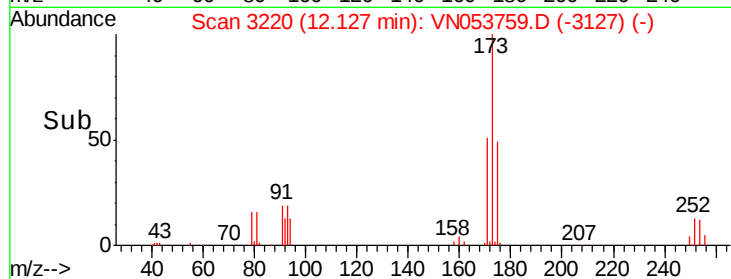
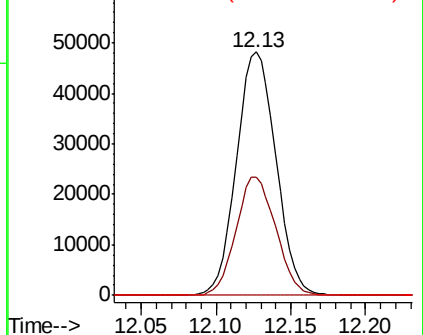


Abundance

Ion 172.70 (172.40 to 173.40): V

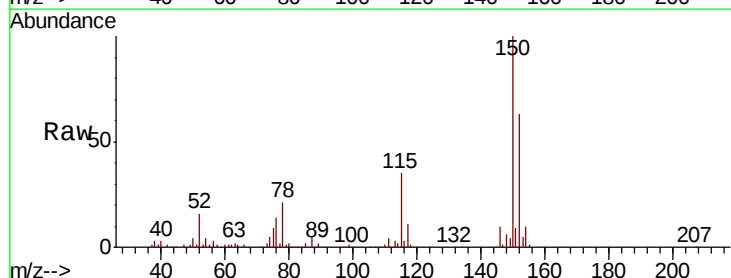
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053759.D
Acq: 13 Feb 2019 17:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	27.8	83.4
150	164.8	0.0	349.0

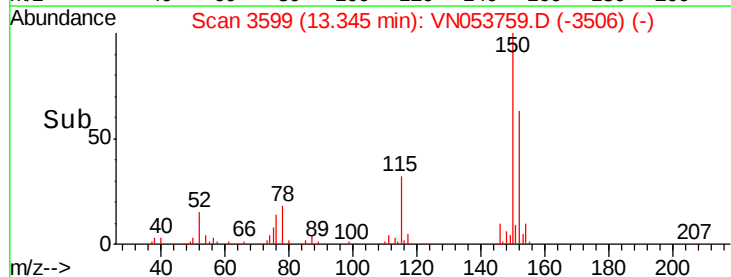
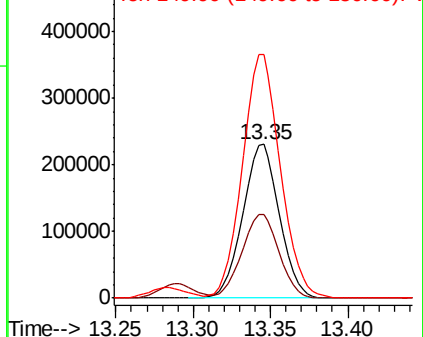


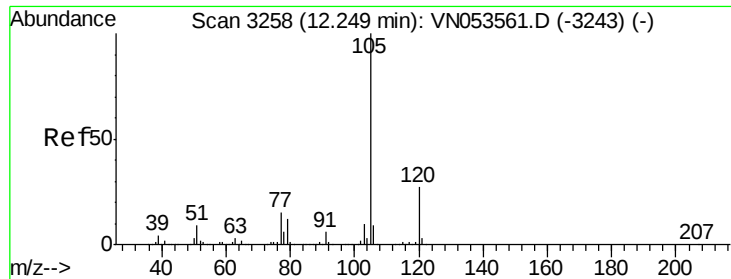
Abundance

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





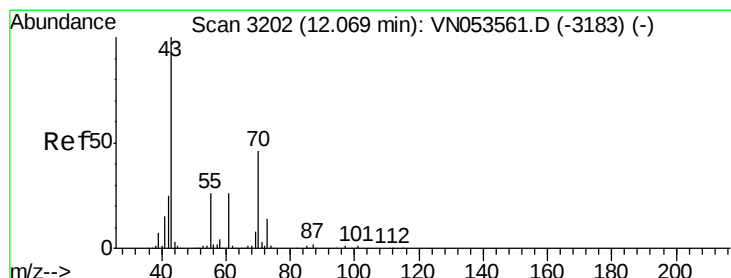
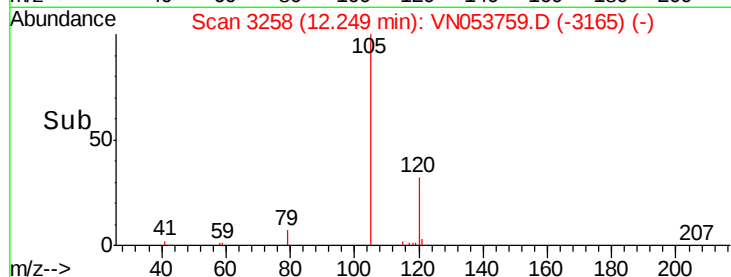
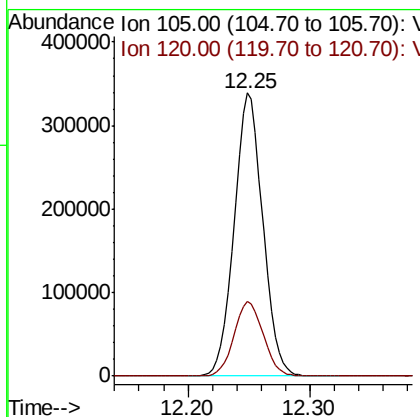
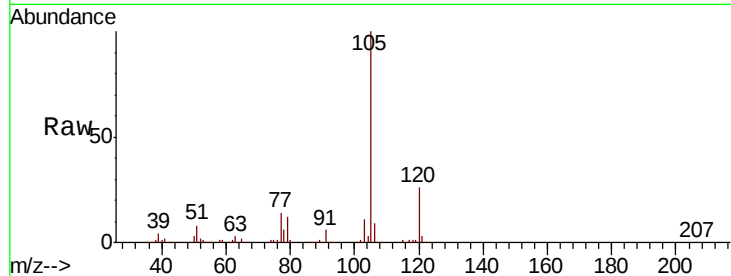
#73
Isopropylbenzene
Concen: 20.666 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN053759.D
Acq: 13 Feb 2019 17:02

Instrument :
MSVOA_N
ClientSampleId :
VN0213WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.6	40.7

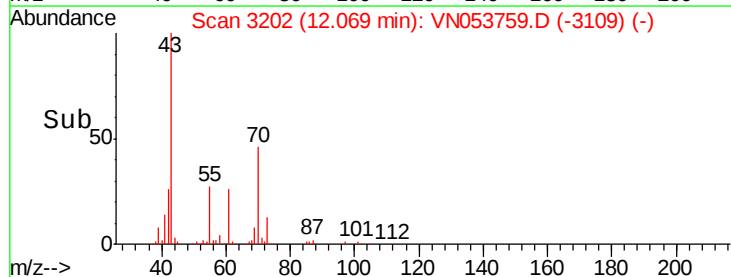
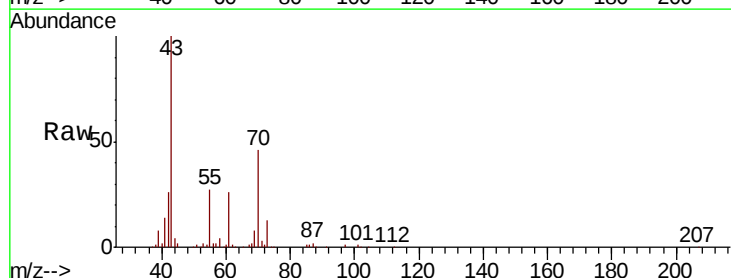
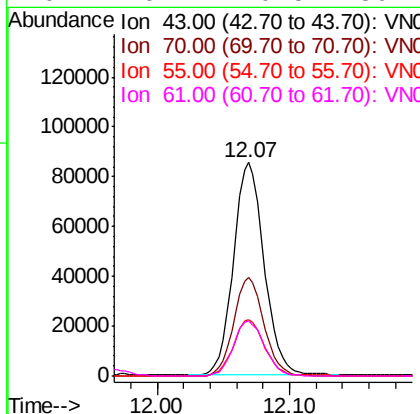
Manual Integrations
APPROVED

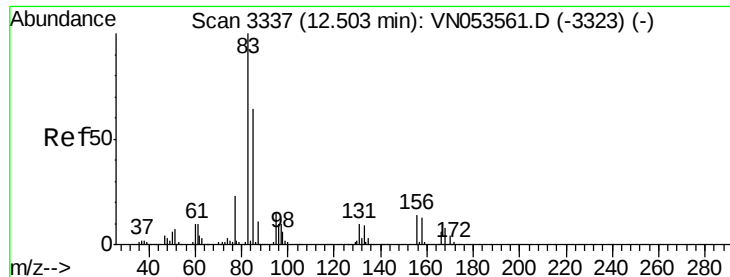
MMDadoda
2/14/2019 10:39:13 AM



#74
N-ethyl acetate
Concen: 21.462 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN053759.D
Acq: 13 Feb 2019 17:02

Tgt Ion	Ratio	Lower	Upper
43	100		
70	45.8	35.4	53.2
55	26.6	20.9	31.3
61	26.2	20.5	30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 21.698 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

Instrument :

MSVOA_N

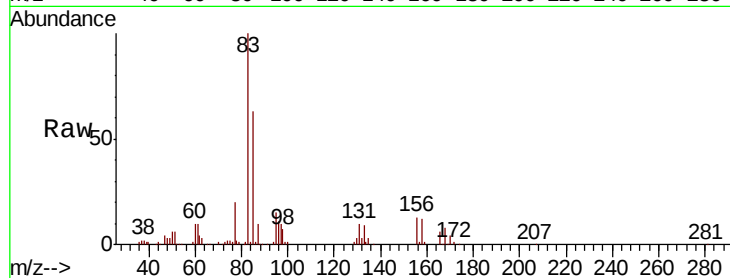
ClientSampleId :

VN0213WBSD01

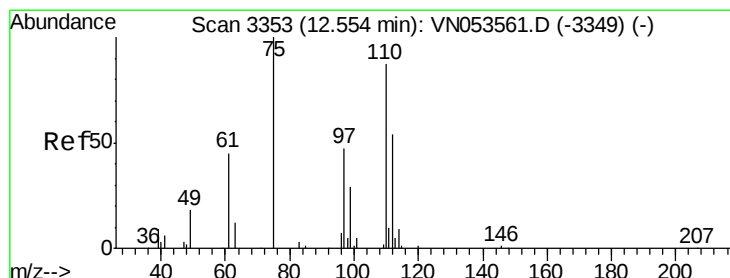
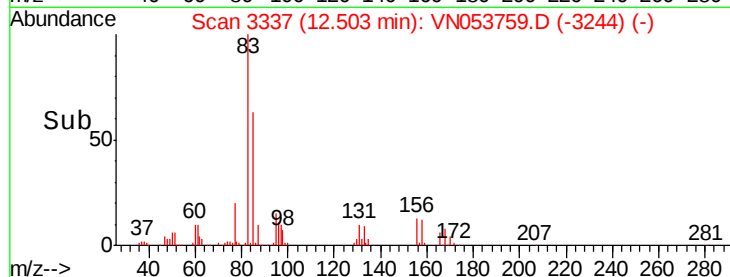
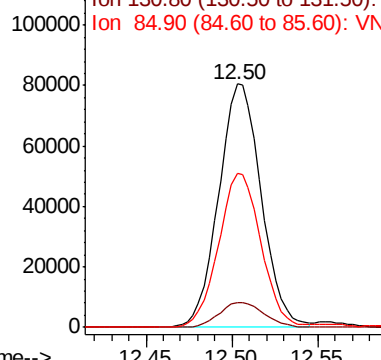
Tot Ion:	83	Resp:	138124
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.3	15.8
85	62.8	32.1	96.3

Manual Integrations
APPROVED

MMDadoda
2/14/2019 10:39:13 AM



Abundance Ion 82.90 (82.60 to 83.60): VN053759.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 23.684 ug/l m

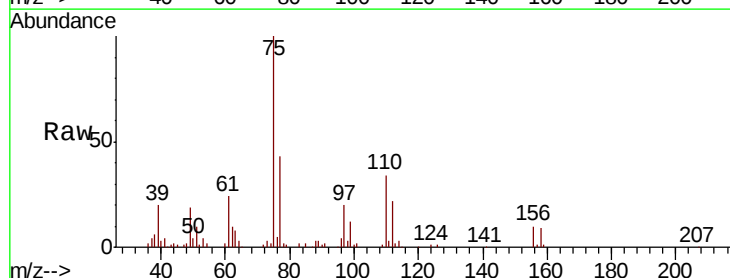
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

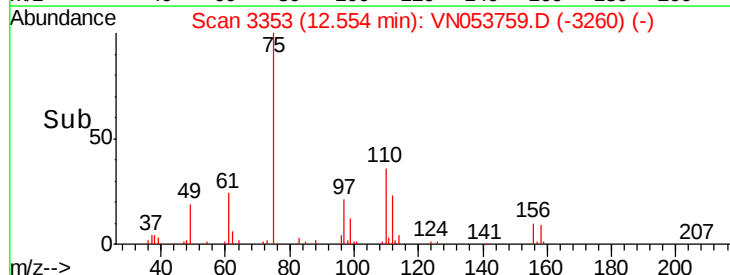
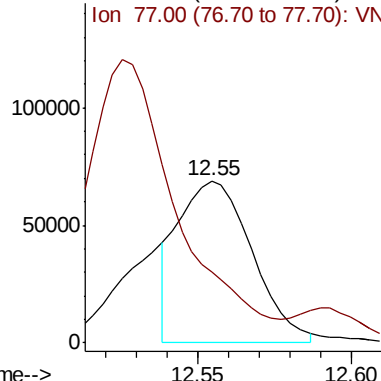
Lab File: VN053759.D

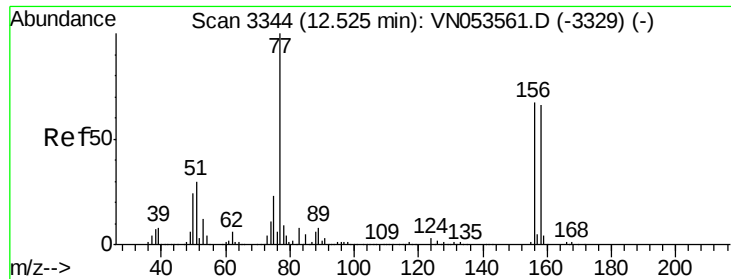
Acq: 13 Feb 2019 17:02

Tgt Ion:	75	Resp:	115103
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN053759.D (-3260) (-)





#77

Bromobenzene

Concen: 20.556 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

Instrument :

MSVOA_N

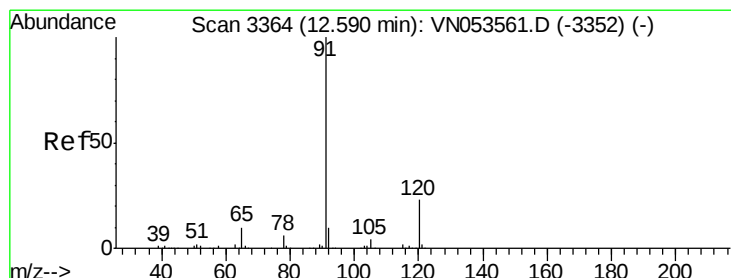
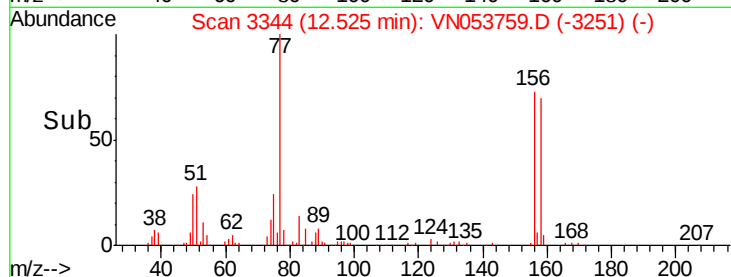
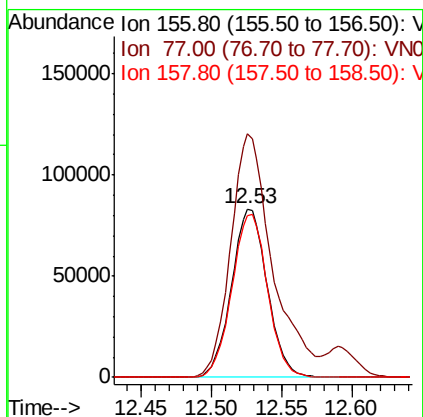
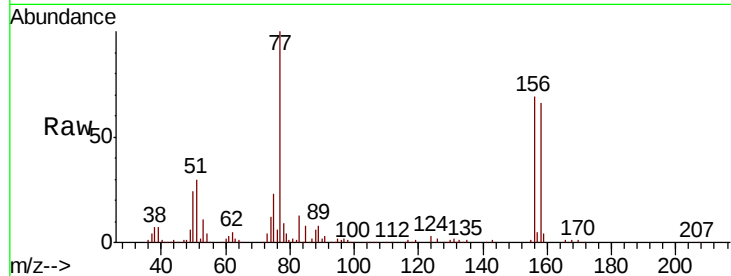
ClientSampleId :

VN0213WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	170.1	87.9	263.8
158	96.8	48.8	146.4

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#78

n-propylbenzene

Concen: 19.989 ug/l

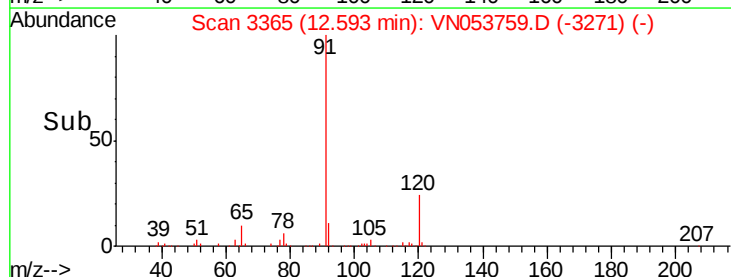
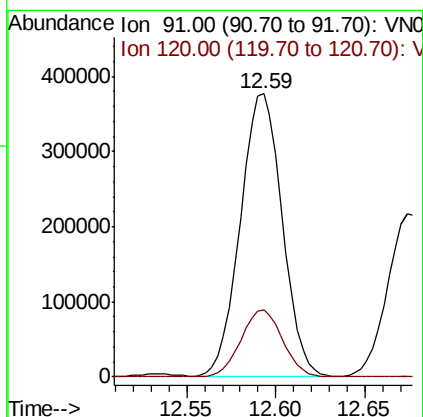
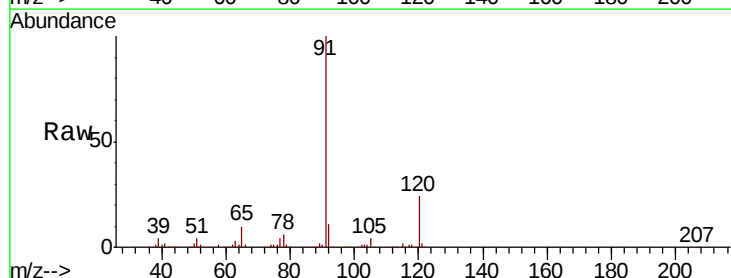
RT: 12.59 min Scan# 3365

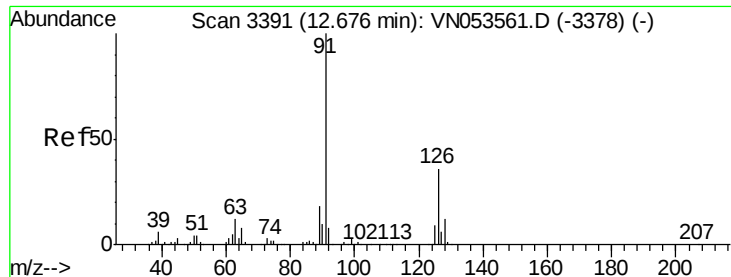
Delta R.T. 0.00 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.9	35.5





#79

2-Chlorotoluene

Concen: 20.354 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

Instrument :

MSVOA_N

ClientSampled :

VN0213WBSD01

Tot Ion: 91 Resp: 371312

Ion Ratio Lower Upper

91 100

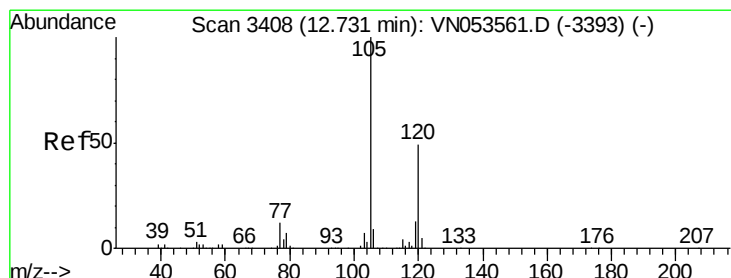
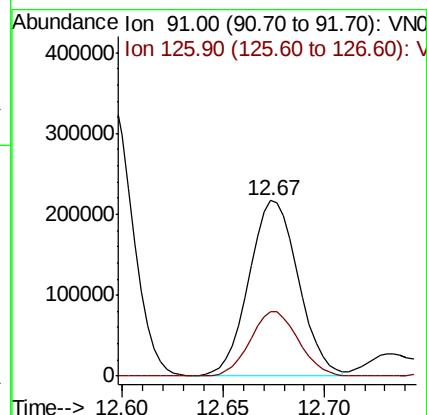
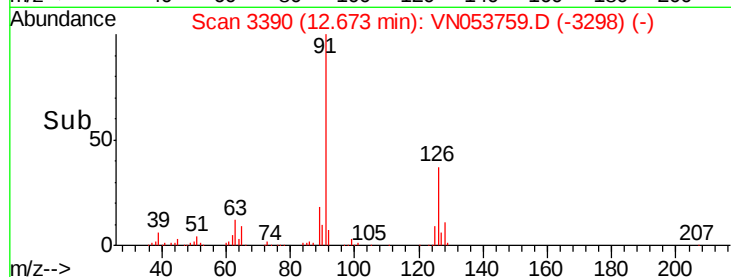
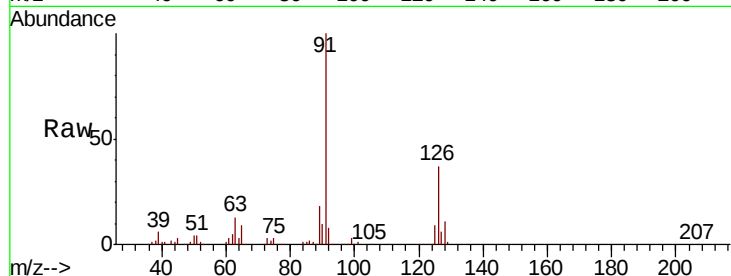
126 36.3 17.9 53.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.866 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053759.D

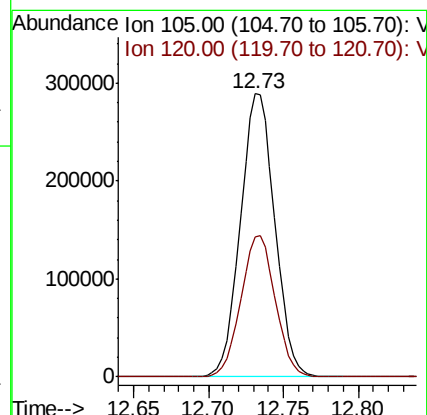
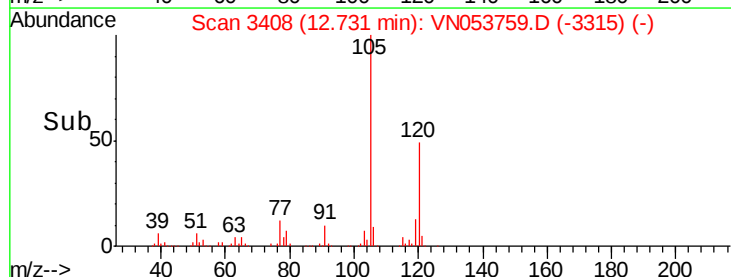
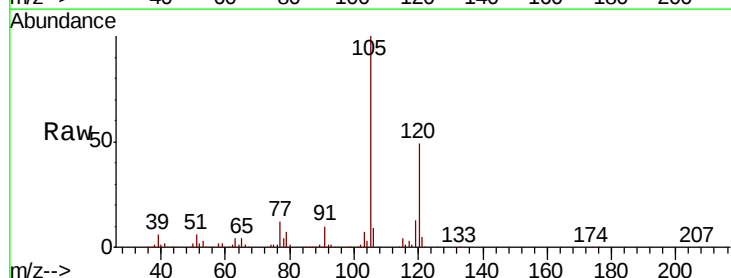
Acq: 13 Feb 2019 17:02

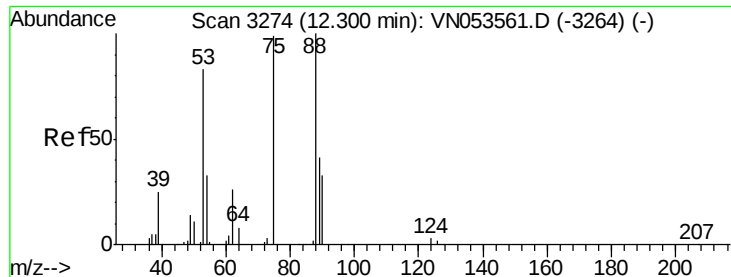
Tgt Ion: 105 Resp: 460244

Ion Ratio Lower Upper

105 100

120 50.1 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 19.740 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

Instrument :

MSVOA_N

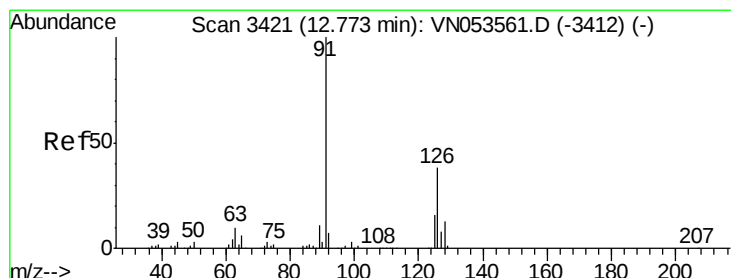
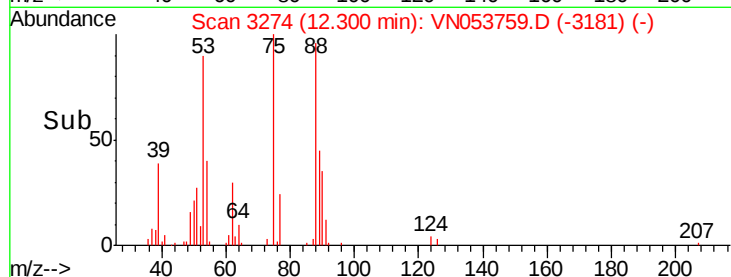
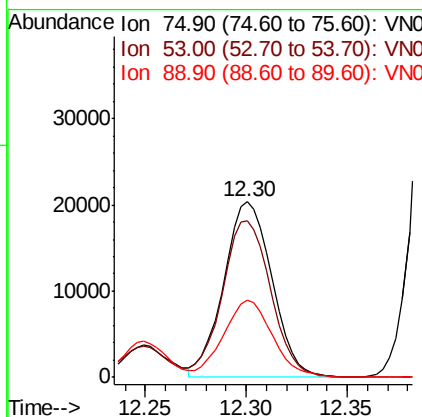
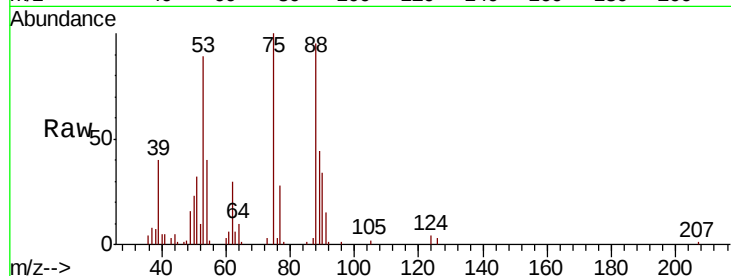
ClientSampleId :

VN0213WBSD01

Tot Ion:	75	Resp:	34117
Ion	Ratio	Lower	Upper
75	100		
53	90.1	69.8	104.6
89	44.7	35.6	53.4

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#82

4-Chlorotoluene

Concen: 19.940 ug/l

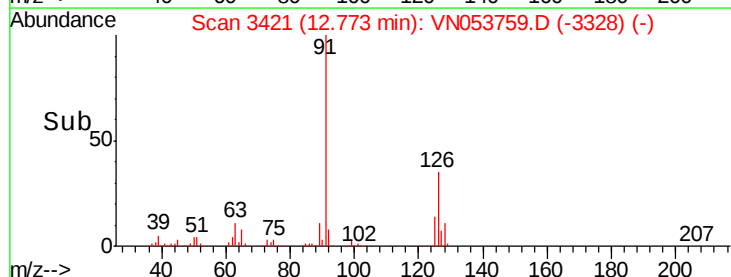
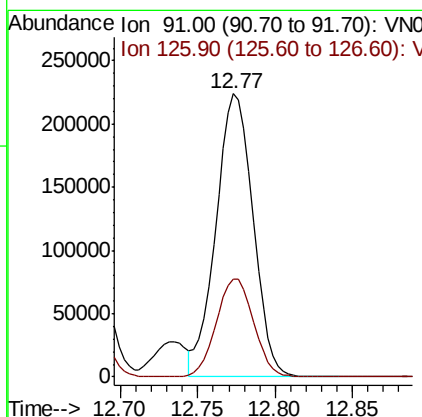
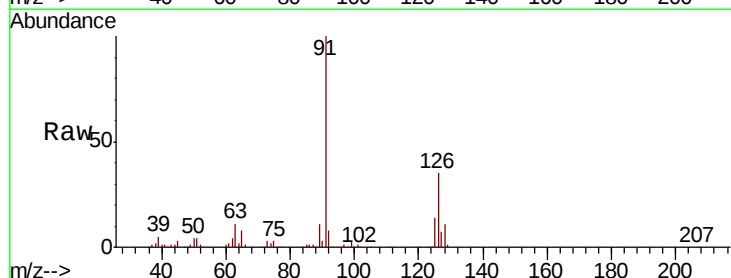
RT: 12.77 min Scan# 3421

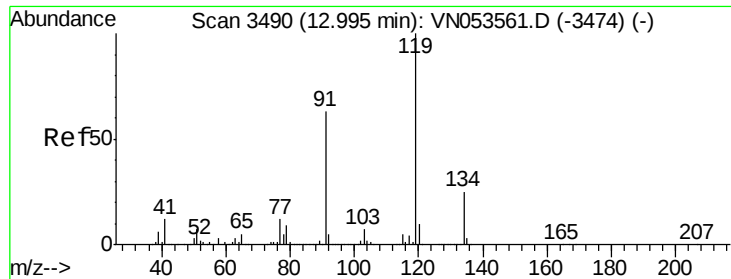
Delta R.T. 0.00 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

Tgt Ion:	91	Resp:	373261
Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.6	52.9





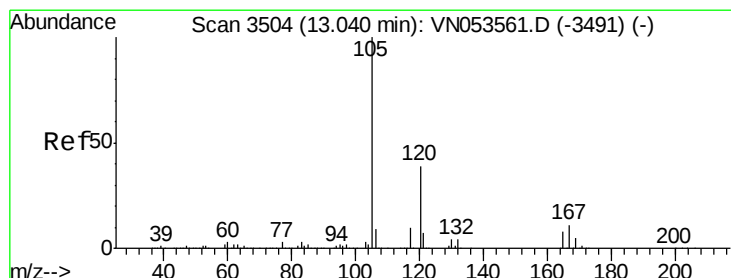
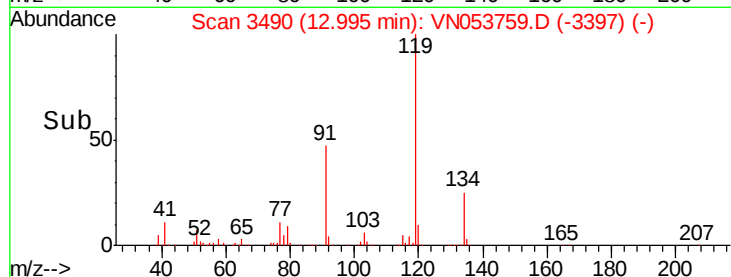
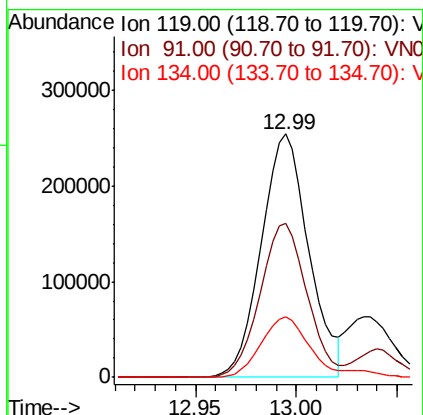
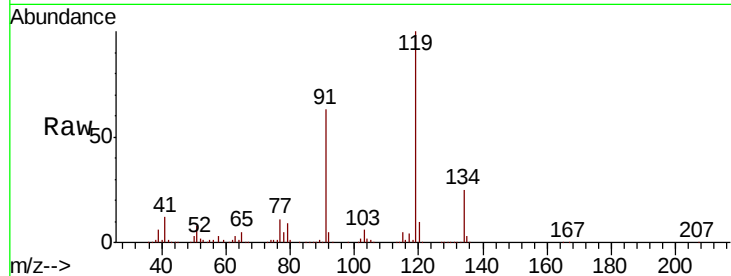
#83
tert-Butylbenzene
Concen: 21.345 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN053759.D
Acq: 13 Feb 2019 17:02

Instrument :
MSVOA_N
ClientSampleId :
VN0213WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	416118		
91	62.2	31.3	93.8	
134	24.8	12.9	38.7	

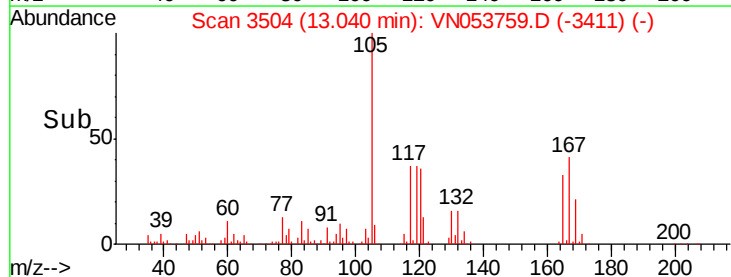
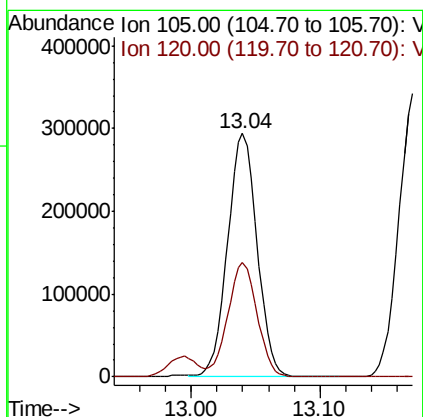
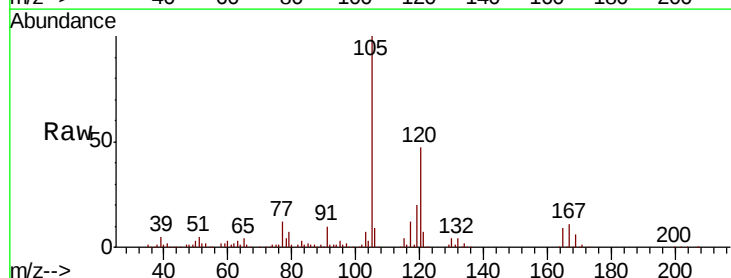
Manual Integrations
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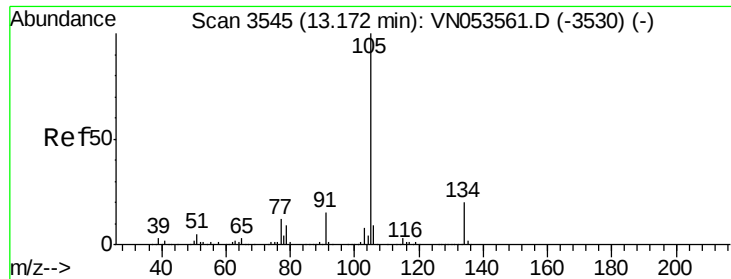
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.705 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN053759.D
Acq: 13 Feb 2019 17:02

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	465297		
120	46.7	23.0	69.0	





#85

sec-Butylbenzene

Concen: 20.919 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

Instrument :

MSVOA_N

ClientSampleId :

VN0213WBSD01

Tot Ion:105 Resp: 554951

Ion Ratio Lower Upper

105 100

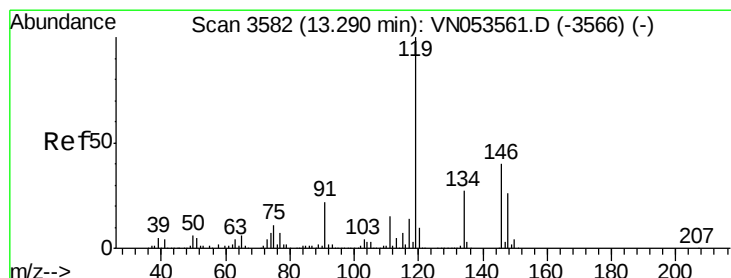
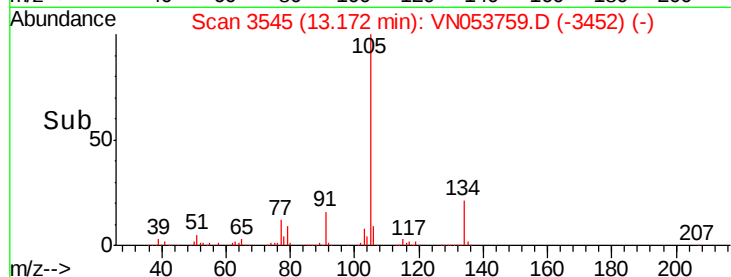
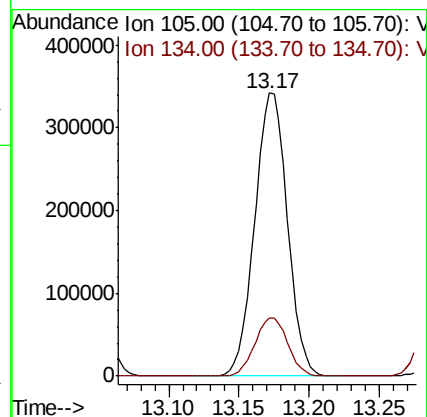
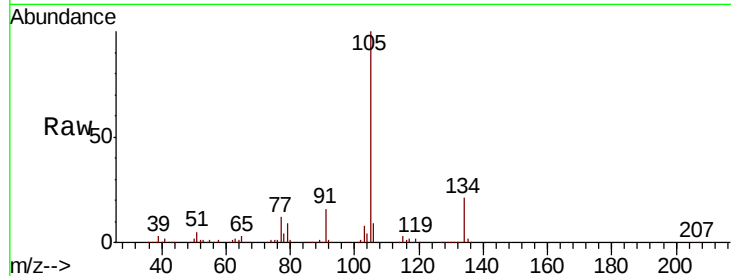
134 20.7 10.2 30.6

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#86

p-Isopropyltoluene

Concen: 20.368 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

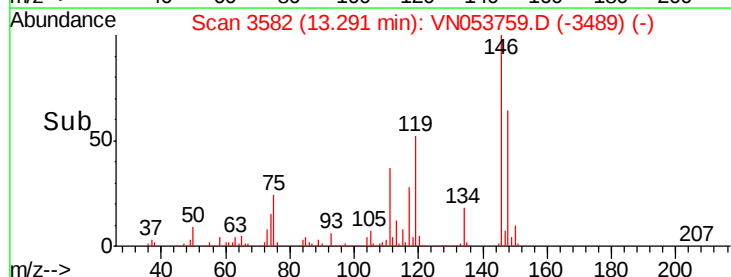
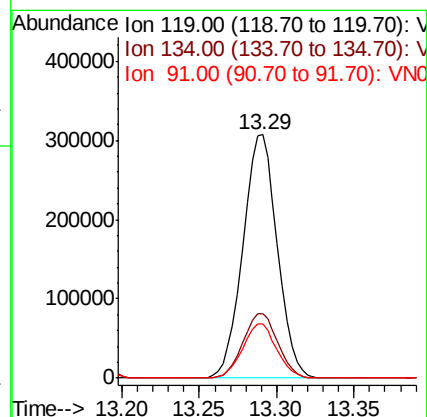
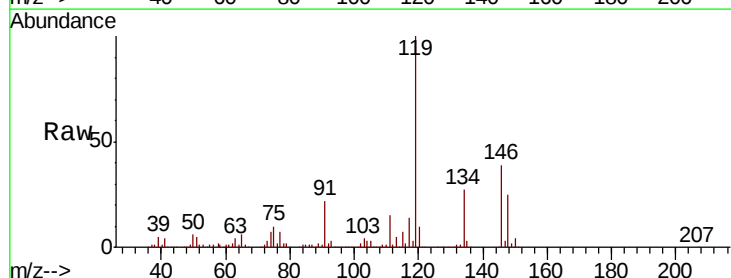
Tgt Ion:119 Resp: 472572

Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.4

91 21.9 11.0 33.0





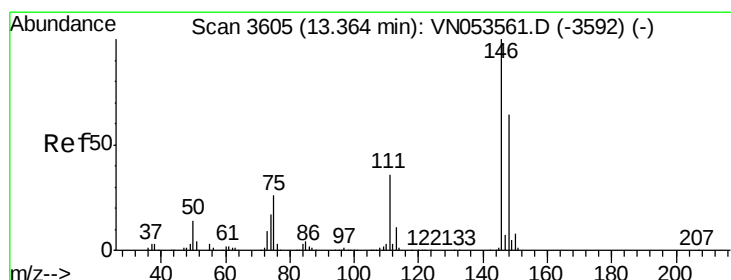
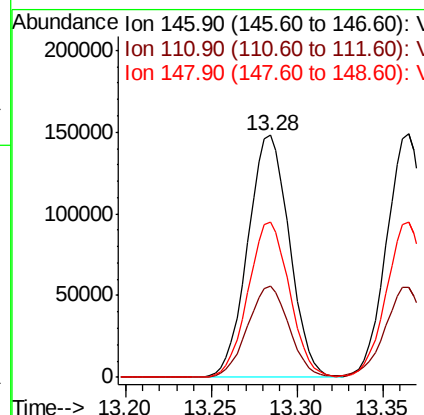
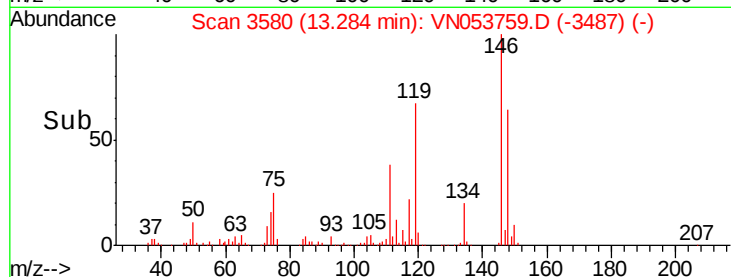
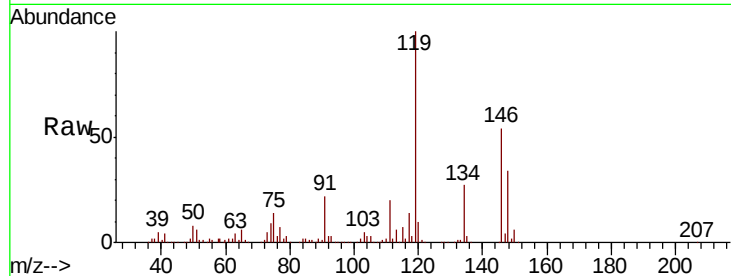
#87
 1,3-Dichlorobenzene
 Concen: 19.285 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053759.D
 Acq: 13 Feb 2019 17:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0213WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.8	56.3
148	63.6	32.0	96.2

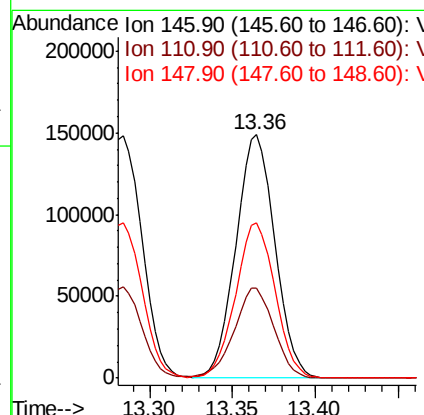
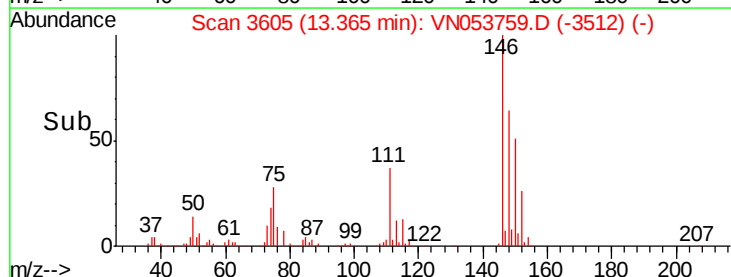
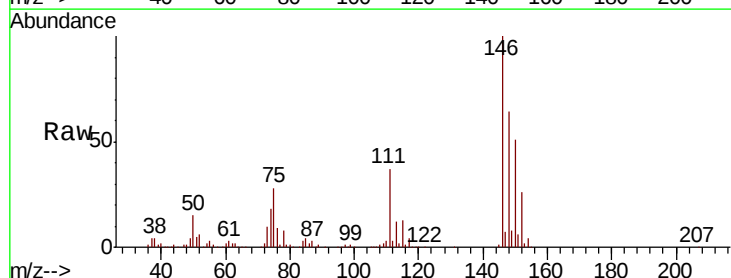
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#88
 1,4-Dichlorobenzene
 Concen: 19.127 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053759.D
 Acq: 13 Feb 2019 17:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.6	55.8
148	64.6	32.4	97.0





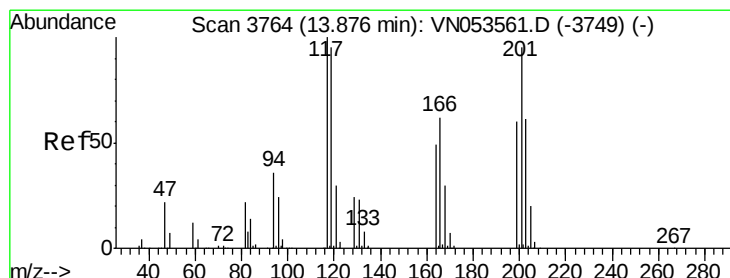
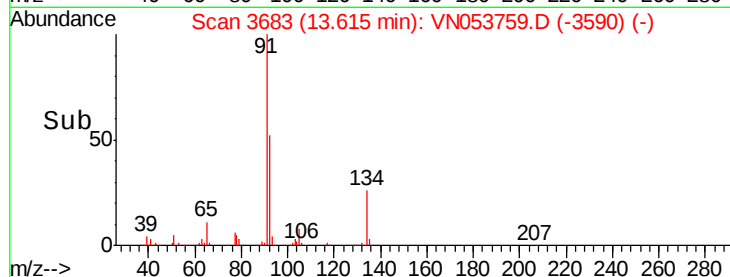
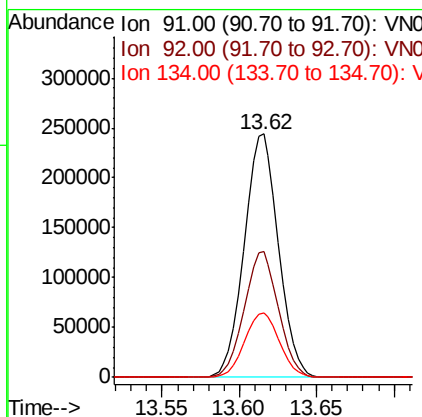
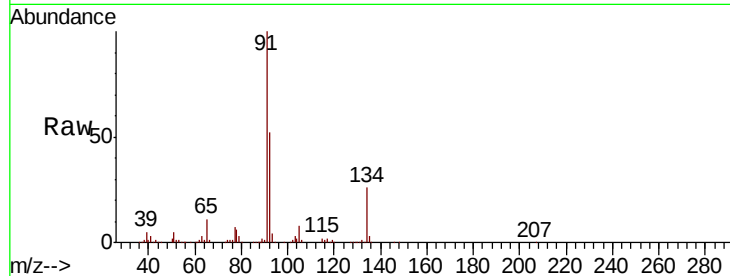
#89
n-Butylbenzene
Concen: 18.674 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053759.D
Acq: 13 Feb 2019 17:02

Instrument :
MSVOA_N
ClientSampleId :
VN0213WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.3	78.8
134	27.0	13.5	40.5

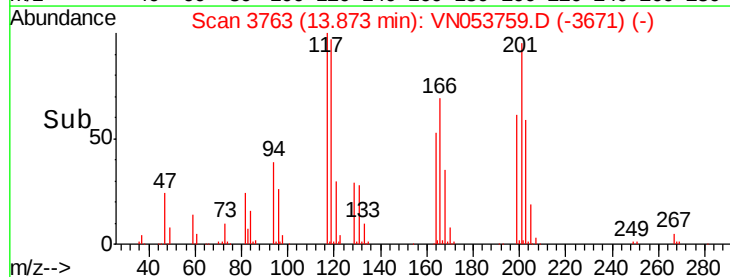
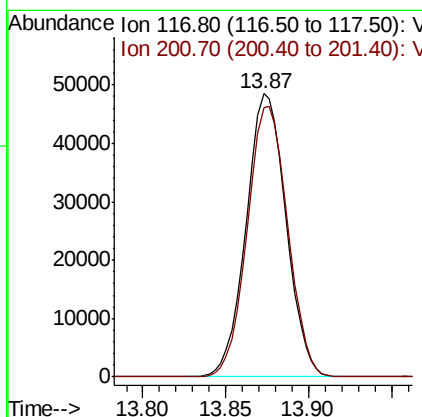
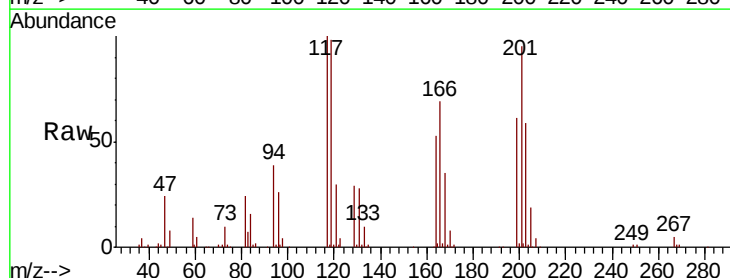
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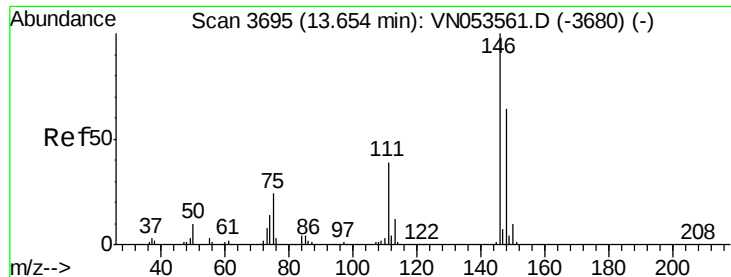
MMDadoda
2/14/2019 10:39:13 AM



#90
Hexachloroethane
Concen: 21.284 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN053759.D
Acq: 13 Feb 2019 17:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.7	46.8	140.4





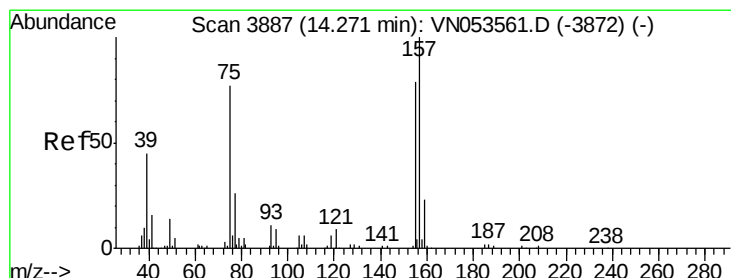
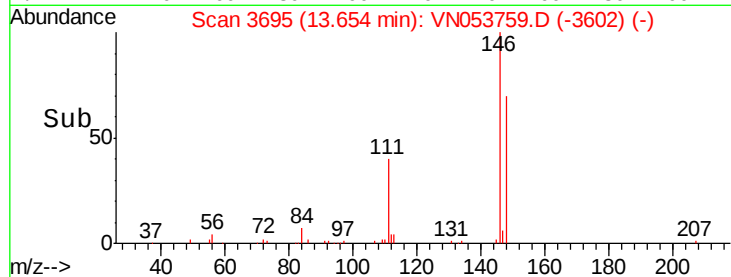
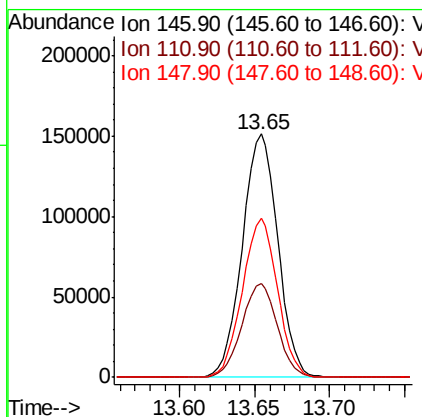
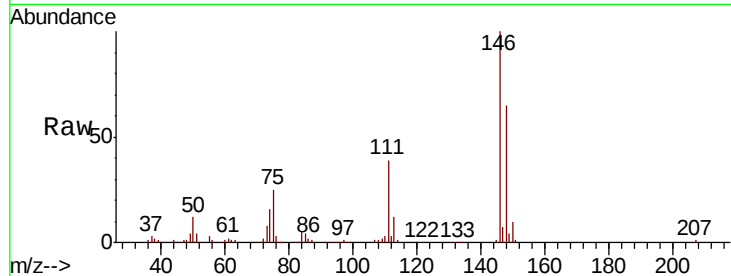
#91
 1,2-Dichlorobenzene
 Concen: 20.258 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053759.D
 Acq: 13 Feb 2019 17:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0213WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.5	58.5
148	64.5	31.9	95.9

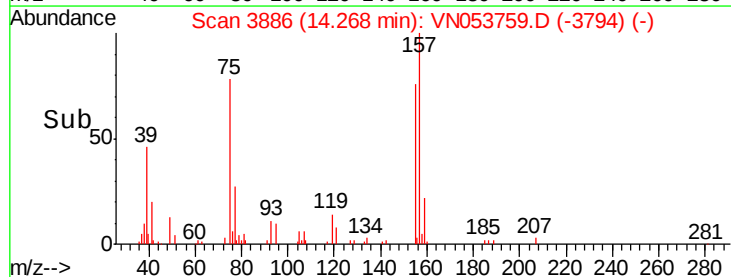
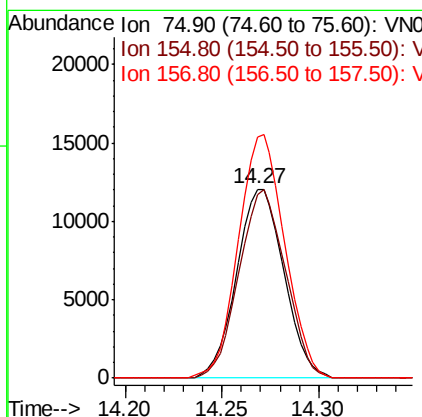
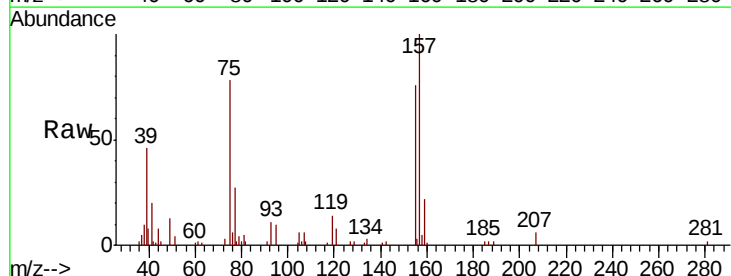
Manual Integrations
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 2/14/2019 10:39:13 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.616 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053759.D
 Acq: 13 Feb 2019 17:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.8	48.9	146.7
157	126.0	63.7	191.3





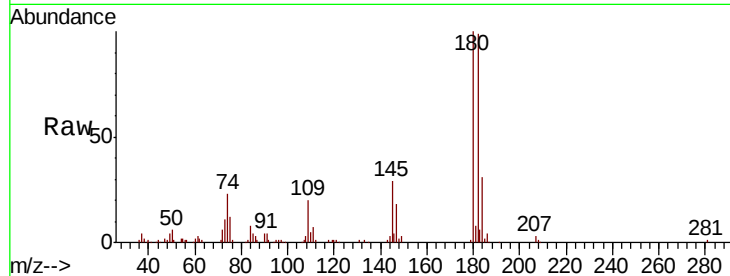
#93
 1,2,4-Trichlorobenzene
 Concen: 17.051 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053759.D
 Acq: 13 Feb 2019 17:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0213WBSD01

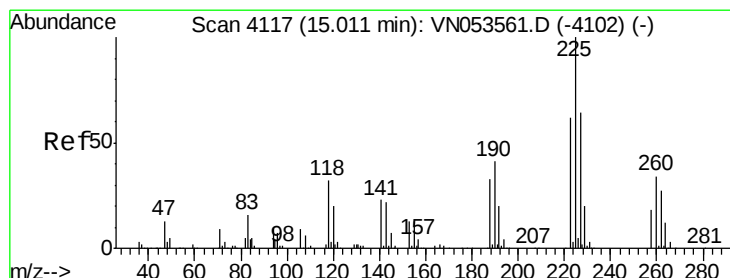
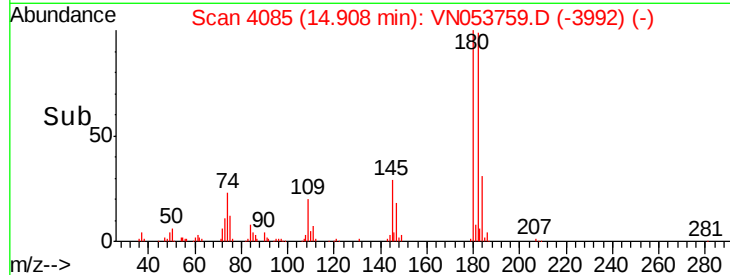
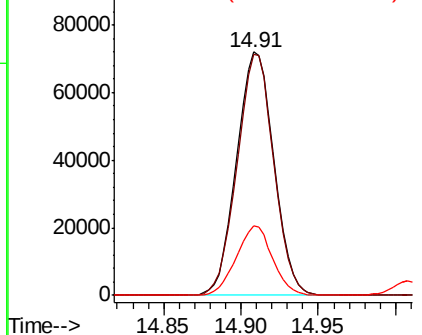
Tot Ion:	180	Resp:	120647
Ion Ratio	Lower	Upper	
180	100		
182	97.3	48.1	144.3
145	27.7	13.9	41.6

Manual Integrations
 APPROVED

MMDadoda
 2/14/2019 10:39:13 AM

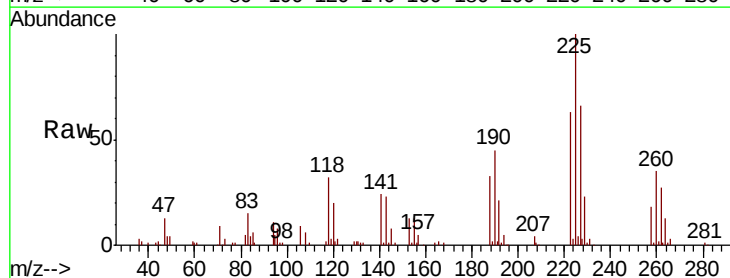


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

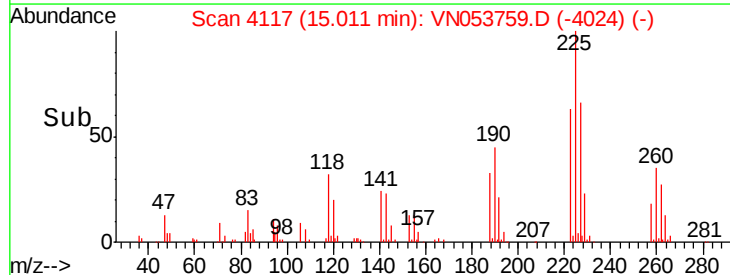
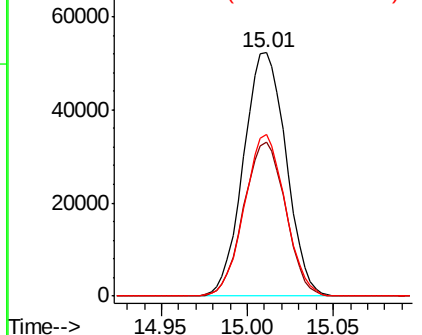


#94
 Hexachlorobutadiene
 Concen: 20.401 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053759.D
 Acq: 13 Feb 2019 17:02

Tgt Ion:	225	Resp:	89898
Ion Ratio	Lower	Upper	
225	100		
223	62.0	31.1	93.2
227	63.6	32.0	96.2



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 16.641 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

Instrument :

MSVOA_N

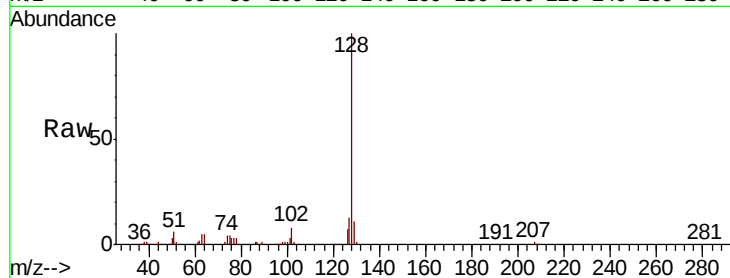
ClientSampleId :

VN0213WBSD01

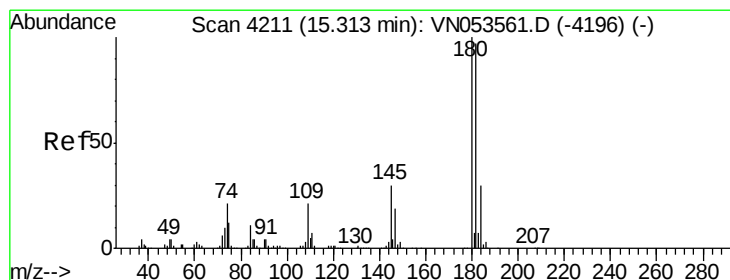
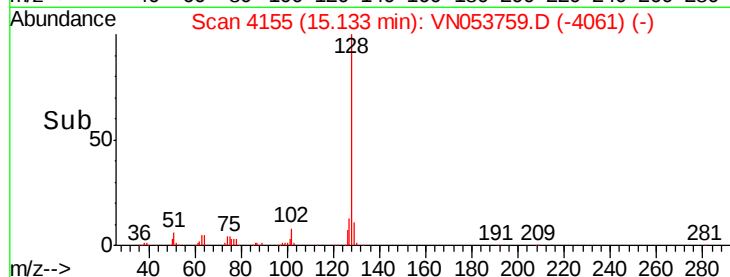
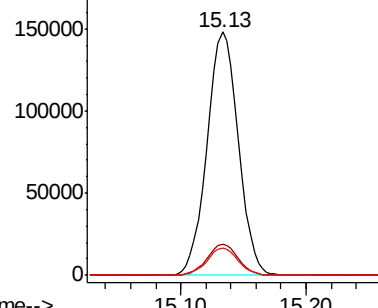
Tot Ion:	128	Resp:	256649
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.3	15.5
129	11.1	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/14/2019 10:39:13 AM



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



#96

1,2,3-Trichlorobenzene

Concen: 18.926 ug/l

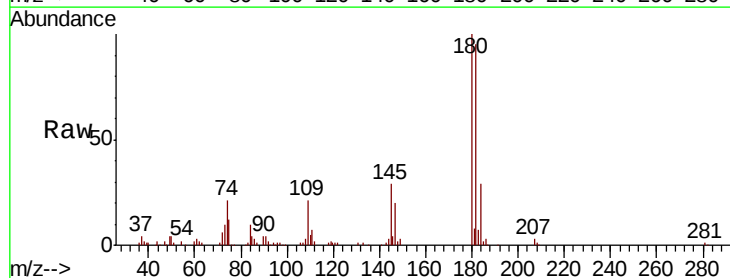
RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

Tgt Ion:	180	Resp:	124254
Ion Ratio	Lower	Upper	
180	100		
182	95.2	47.9	143.8
145	28.6	14.7	44.1



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

