

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022519\
 Data File : VN053934.D
 Acq On : 25 Feb 2019 17:22
 Operator : JC/SP
 Sample : VN0225WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0225WBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/28/2019 10:48:39 AM

Quant Time: Feb 28 04:34:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 28 04:05:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	632290	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1064734	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	915901	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	406224	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	387179	52.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.48%	
35) Dibromofluoromethane	7.59	113	344165	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
50) Toluene-d8	10.09	98	1257631	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	
62) 4-Bromofluorobenzene	12.40	95	410579	48.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	122960	21.130	ug/l	98
3) Chloromethane	2.06	50	172955	21.428	ug/l	99
4) Vinyl Chloride	2.18	62	175066	21.647	ug/l	97
5) Bromomethane	2.57	94	112098	20.929	ug/l	98
6) Chloroethane	2.71	64	104287	20.734	ug/l	99
7) Trichlorofluoromethane	3.02	101	218235	21.123	ug/l	100
8) Diethyl Ether	3.41	74	83299	21.520	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.76	101	134701	20.643	ug/l	95
10) Methyl Iodide	3.95	142	177981	20.758	ug/l	98
11) Tert butyl alcohol	4.78	59	49078	104.451	ug/l	99
12) 1,1-Dichloroethene	3.74	96	130513	20.910	ug/l	92
13) Acrolein	3.60	56	46874	96.355	ug/l	99
14) Allyl chloride	4.32	41	232220	21.212	ug/l	95
15) Acrylonitrile	4.99	53	264196	106.684	ug/l	100
16) Acetone	3.81	43	206221	97.701	ug/l	97
17) Carbon Disulfide	4.05	76	405499	20.138	ug/l	99
18) Methyl Acetate	4.32	43	110357	21.293	ug/l	96
19) Methyl tert-butyl Ether	5.04	73	361995	21.620	ug/l	99
20) Methylene Chloride	4.55	84	150865	20.566	ug/l	90
21) trans-1,2-Dichloroethene	5.04	96	140317	20.771	ug/l	91
22) Diisopropyl ether	5.95	45	466256	22.077	ug/l	94
23) Vinyl Acetate	5.90	43	1643676	108.185	ug/l	95
24) 1,1-Dichloroethane	5.85	63	272442	21.036	ug/l	98
25) 2-Butanone	6.83	43	300858	103.378	ug/l	94
26) 2,2-Dichloropropane	6.82	77	192162	20.884	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	159966	21.292	ug/l	94
28) Bromochloromethane	7.19	49	126728	21.377	ug/l	82
29) Tetrahydrofuran	7.21	42	208076	107.364	ug/l	91
30) Chloroform	7.37	83	267959	21.337	ug/l	98
31) Cyclohexane	7.65	56	258334	21.563	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	218313	21.083	ug/l	97
36) 1,1-Dichloropropene	7.79	75	201636	20.364	ug/l	96
37) Ethyl Acetate	6.93	43	139602	19.745	ug/l	96
38) Carbon Tetrachloride	7.77	117	191383	18.584	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	227294	19.045	ug/l	96
40) Benzene	8.04	78	617097	20.287	ug/l	99
41) Methacrylonitrile	7.18	41	76586	16.823	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	187663	19.927	ug/l	98
43) Isopropyl Acetate	8.16	43	227659	19.071	ug/l #	89
44) Trichloroethene	8.83	130	162249	20.120	ug/l	97
45) 1,2-Dichloropropane	9.12	63	166845	20.330	ug/l	98
46) Dibromomethane	9.21	93	95018	19.943	ug/l	94
47) Bromodichloromethane	9.40	83	198043	19.724	ug/l	100
48) Methyl methacrylate	9.20	41	110554	20.134	ug/l	93
49) 1,4-Dioxane	9.20	88	30416	408.984	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	624792	101.853	ug/l	95
52) Toluene	10.16	92	365932	20.430	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	193649	19.822	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	231943	20.139	ug/l	91
55) 1,1,2-Trichloroethane	10.56	97	135277	20.223	ug/l	98
56) Ethyl methacrylate	10.43	69	159808	19.463	ug/l	91
57) 1,3-Dichloropropane	10.71	76	229832	20.335	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	353661	95.509	ug/l	96
59) 2-Hexanone	10.75	43	393959	98.747	ug/l	93
60) Dibromochloromethane	10.90	129	142895	19.222	ug/l	100
61) 1,2-Dibromoethane	11.00	107	124732	19.330	ug/l	99
64) Tetrachloroethene	10.63	164	153673	19.814	ug/l	97
65) Chlorobenzene	11.43	112	384951	19.915	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	140644	20.189	ug/l	99
67) Ethyl Benzene	11.51	91	652614	20.139	ug/l	100
68) m/p-Xylenes	11.62	106	498006	40.719	ug/l	96
69) o-Xylene	11.95	106	236355	19.668	ug/l	94
70) Styrene	11.96	104	379831	20.549	ug/l	98
71) Bromoform	12.13	173	95137	19.630	ug/l #	99
73) Isopropylbenzene	12.25	105	639603	20.227	ug/l	99
74) N-amyl acetate	12.07	43	165457	19.964	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	157556	19.925	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	119762m	18.378	ug/l	
77) Bromobenzene	12.53	156	161408	20.104	ug/l	92
78) n-propylbenzene	12.59	91	725806	20.182	ug/l	98
79) 2-Chlorotoluene	12.67	91	436349	20.198	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	532460	20.568	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	38659	18.750	ug/l	91
82) 4-Chlorotoluene	12.77	91	429653	20.123	ug/l	97
83) tert-Butylbenzene	12.99	119	469580	20.509	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	535265	20.711	ug/l	99
85) sec-Butylbenzene	13.17	105	635118	20.309	ug/l	98
86) p-Isopropyltoluene	13.29	119	536129	20.280	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	275748	19.854	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	269425	19.995	ug/l	98
89) n-Butylbenzene	13.62	91	447760	20.097	ug/l	98
90) Hexachloroethane	13.87	117	97826	19.096	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	271532	20.197	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22914	20.505	ug/l	87

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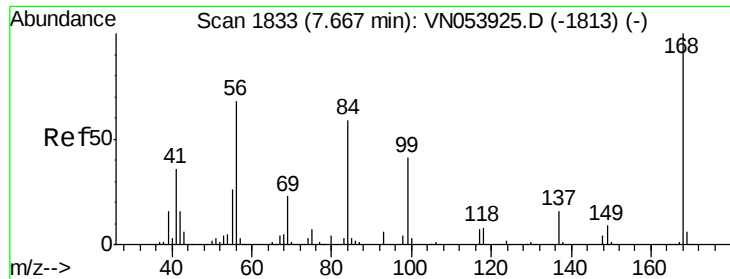
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	126939	18.468	ug/l	99
94) Hexachlorobutadiene	15.01	225	96322	19.834	ug/l	98
95) Naphthalene	15.13	128	257809	18.211	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	128176	18.897	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053934.D

Acq: 25 Feb 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

VN0225WBSD01

Tot Ion:168 Resp: 632290

Ion Ratio Lower Upper

168 100

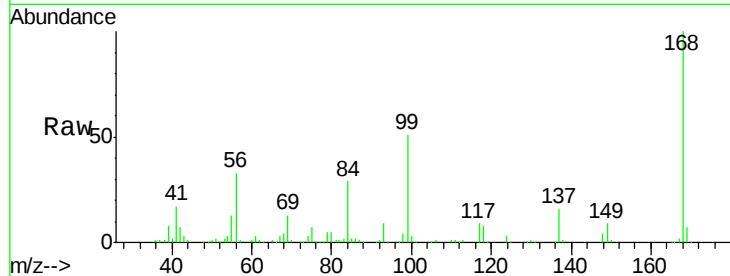
99 49.9 36.9 55.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

300000

250000

200000

150000

100000

50000

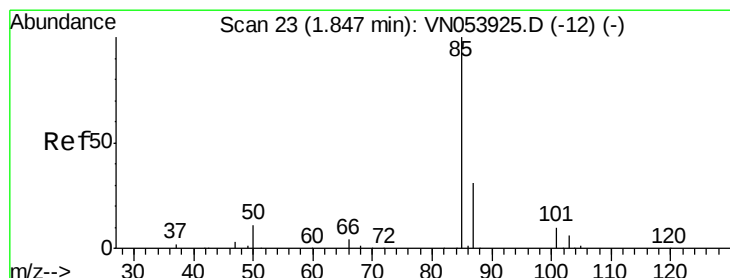
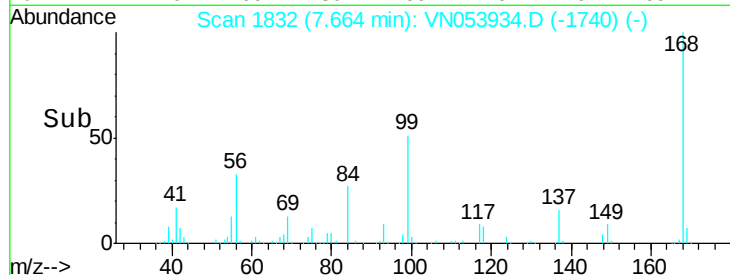
0

7.66

7.70

7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 21.130 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN053934.D

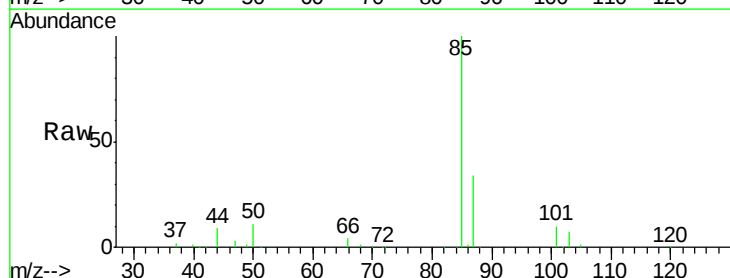
Acq: 25 Feb 2019 17:22

Tgt Ion: 85 Resp: 122960

Ion Ratio Lower Upper

85 100

87 33.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

100000

80000

60000

40000

20000

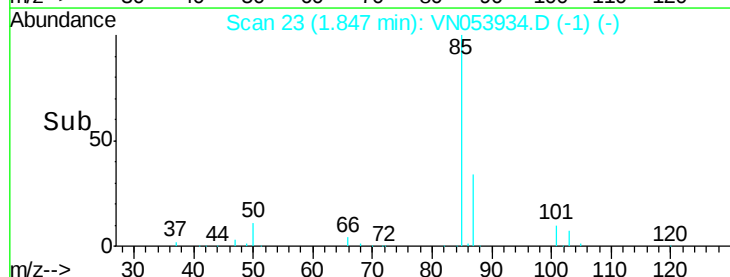
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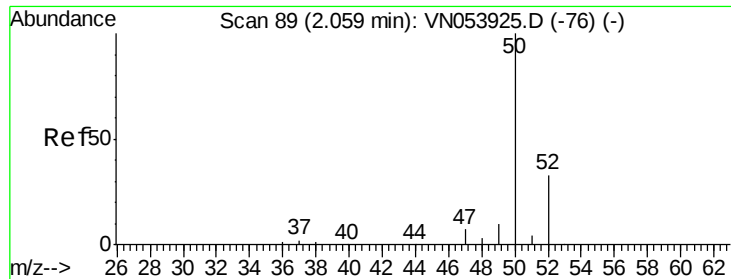
1.85

1.90

1.95

Time-->





#3

Chloromethane

Concen: 21.428 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053934.D

Acq: 25 Feb 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

VN0225WBSD01

Tot Ion: 50 Resp: 172955

Ion Ratio Lower Upper

50 100

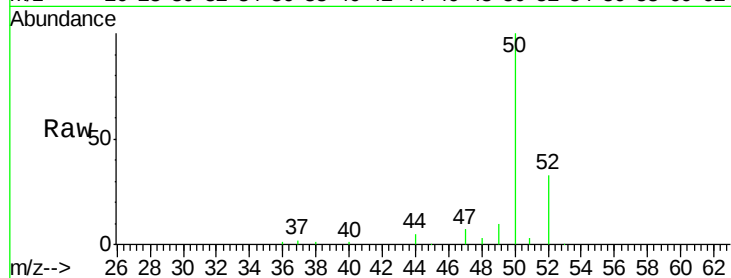
52 33.2 26.0 39.0

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

120000

100000

80000

60000

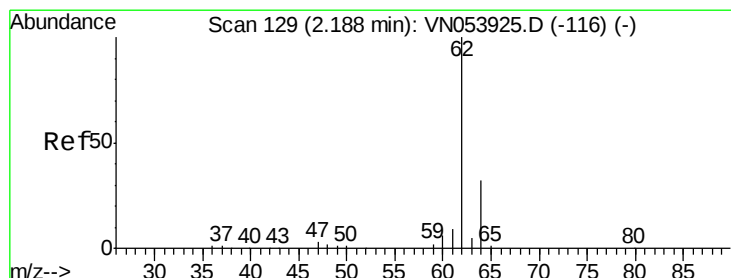
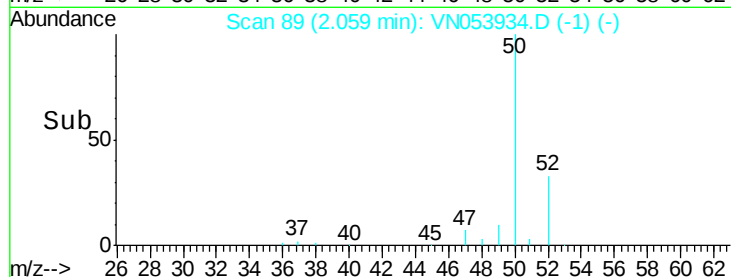
40000

20000

0

2.00 2.05 2.10 2.15

Time-->



#4

Vinyl Chloride

Concen: 21.647 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN053934.D

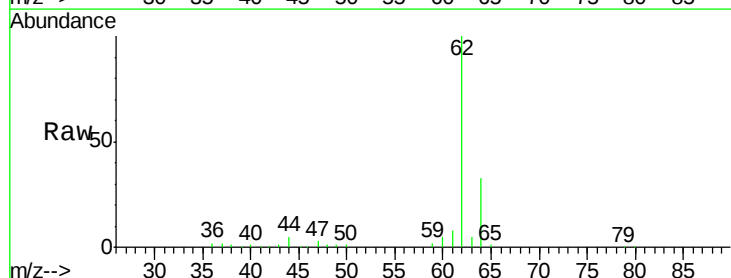
Acq: 25 Feb 2019 17:22

Tgt Ion: 62 Resp: 175066

Ion Ratio Lower Upper

62 100

64 32.9 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

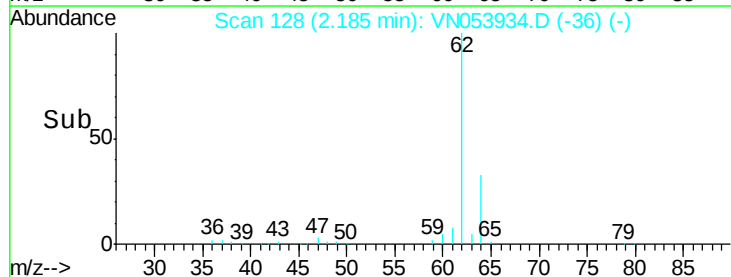
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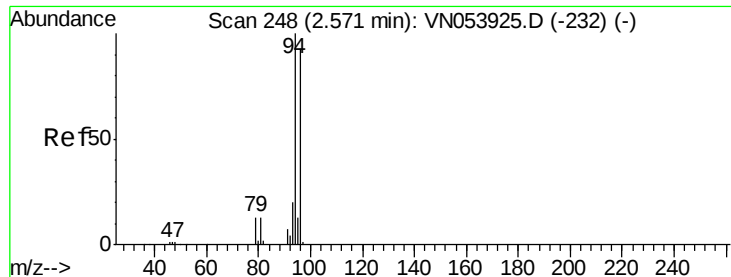
50000

0

2.10 2.15 2.20 2.25 2.30

Time-->





#5

Bromomethane

Concen: 20.929 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN053934.D

Acq: 25 Feb 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

VN0225WBSD01

Tot Ion: 94 Resp: 112098

Ion Ratio Lower Upper

94 100

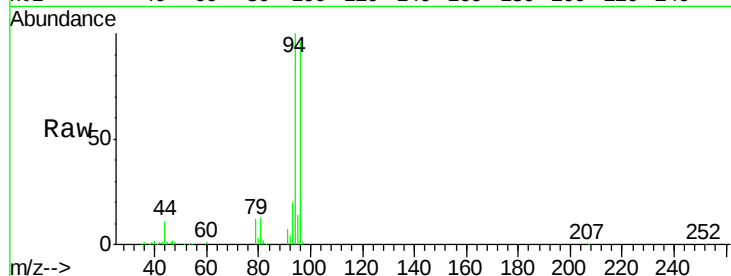
96 96.0 74.9 112.3

Manual Integrations

APPROVED

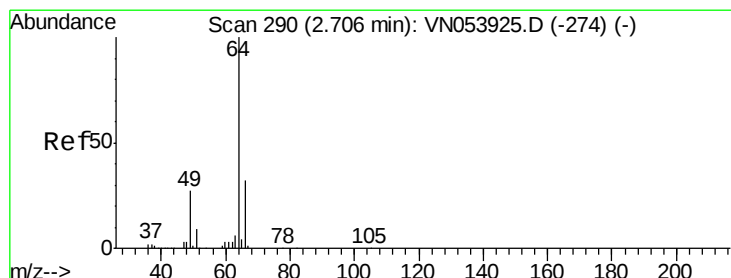
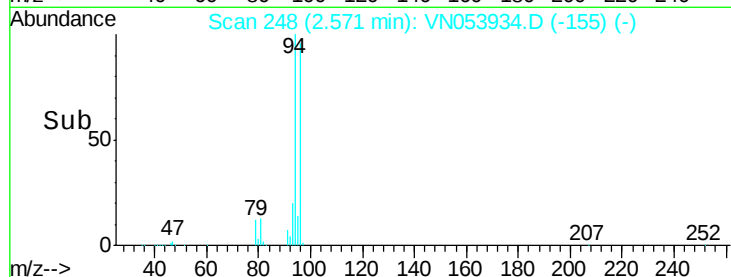
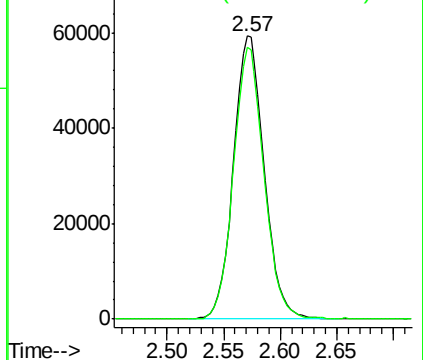
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2/28/2019 10:48:39 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.734 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN053934.D

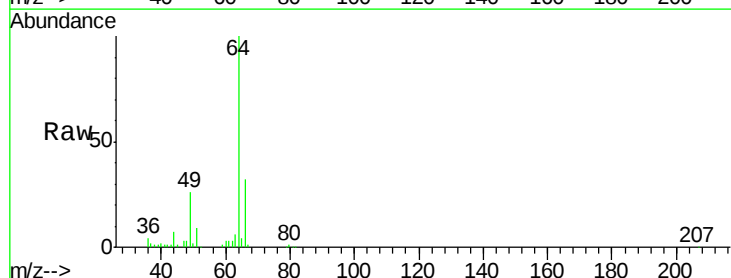
Acq: 25 Feb 2019 17:22

Tgt Ion: 64 Resp: 104287

Ion Ratio Lower Upper

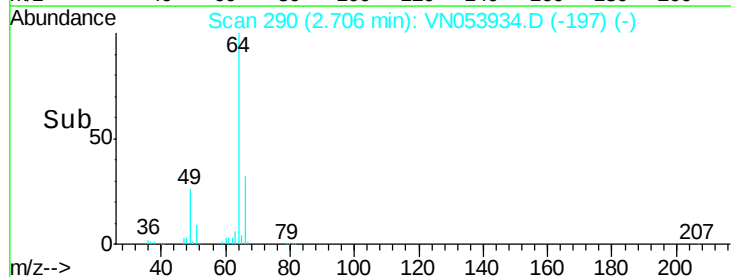
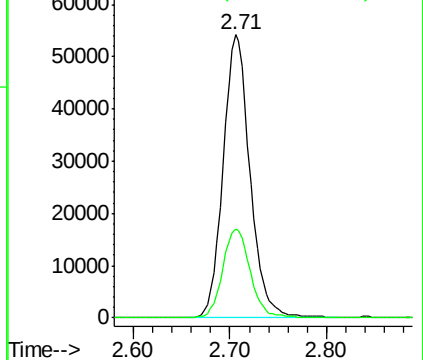
64 100

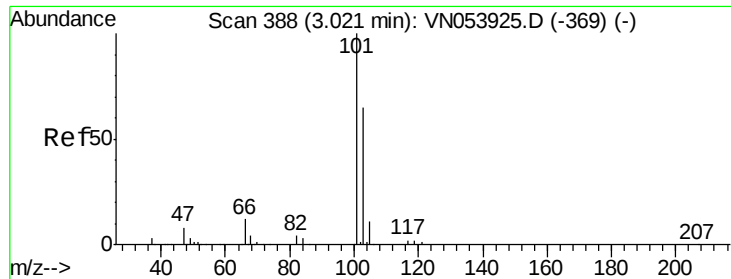
66 31.6 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

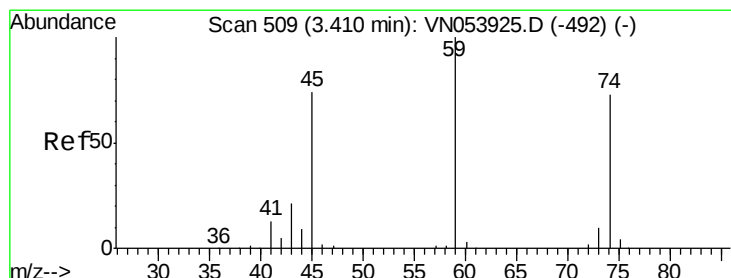
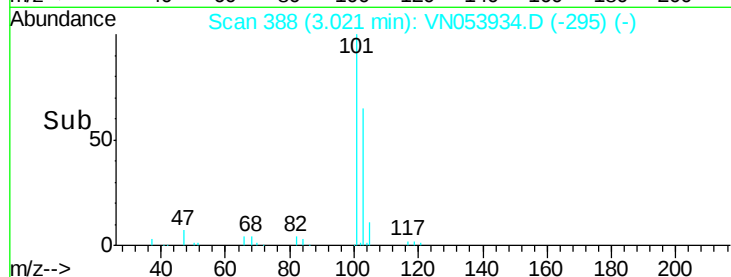
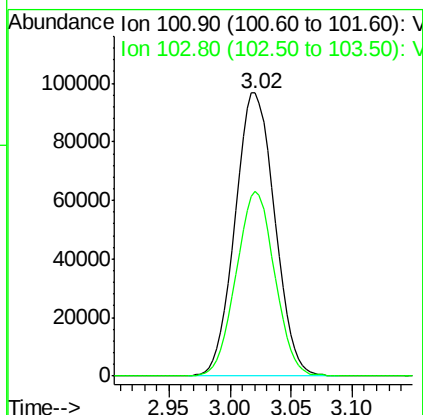
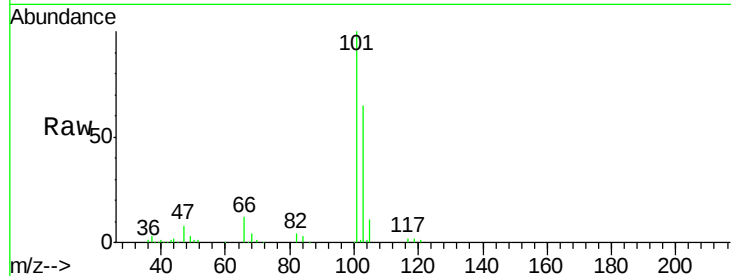
Trichlorofluoromethane
Concen: 21.123 ug/l
RT: 3.02 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN053934.D
Acq: 25 Feb 2019 17:22

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ClientSampleId :
VN0225WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.9	77.9

Manual Integrations
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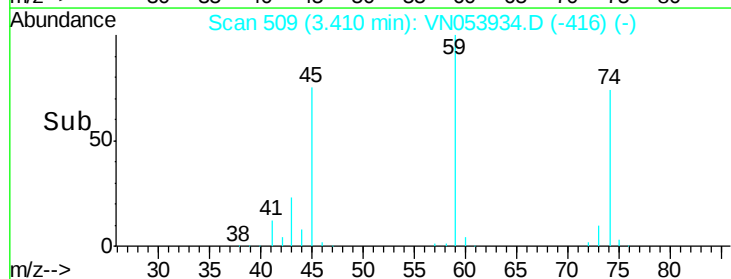
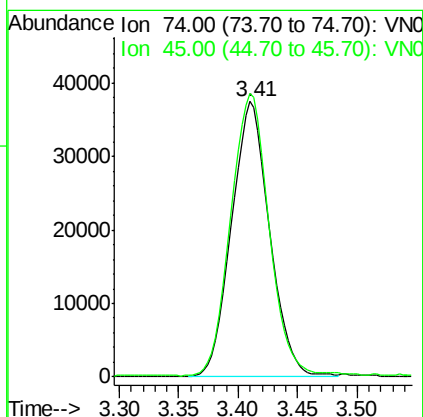
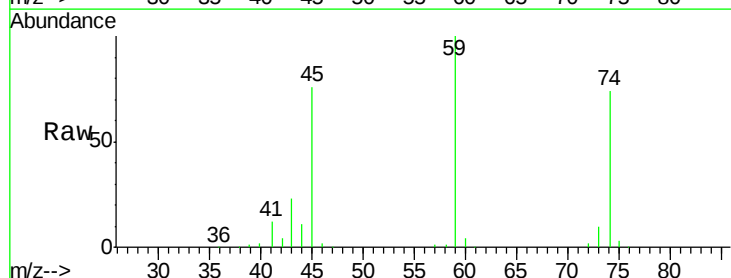
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2/28/2019 10:48:39 AM

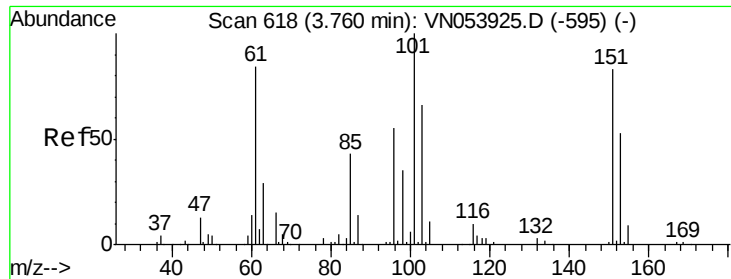


#8

Diethyl Ether
Concen: 21.520 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN053934.D
Acq: 25 Feb 2019 17:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.8	46.9	140.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.643 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN053934.D

Acq: 25 Feb 2019 17:22

Instrument :

MSVOA_N

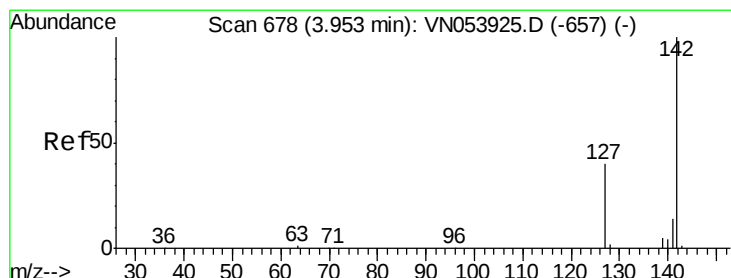
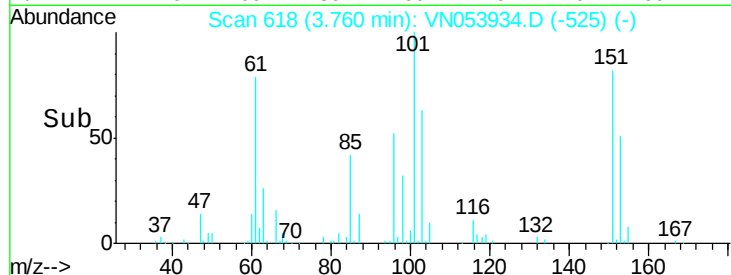
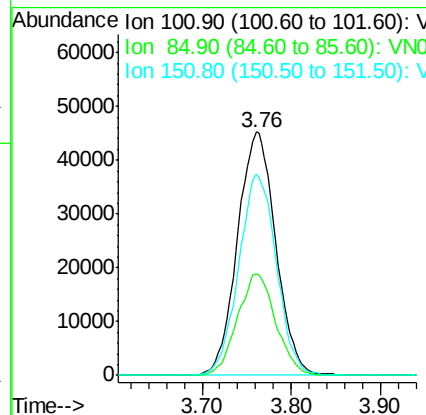
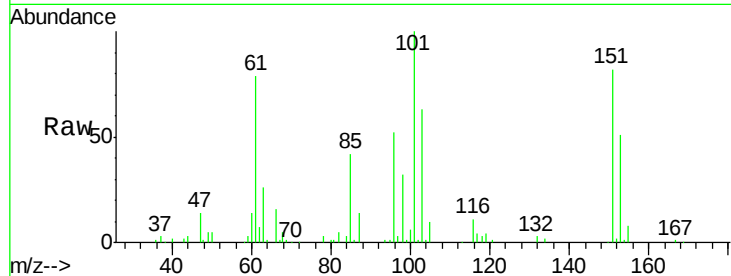
ClientSampleId :

VN0225WBSD01

Tot Ion:	101	Resp:	134701
Ion Ratio	Lower	Upper	
101	100		
85	41.6	32.5	48.7
151	81.3	70.2	105.2

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#10

Methyl Iodide

Concen: 20.758 ug/l

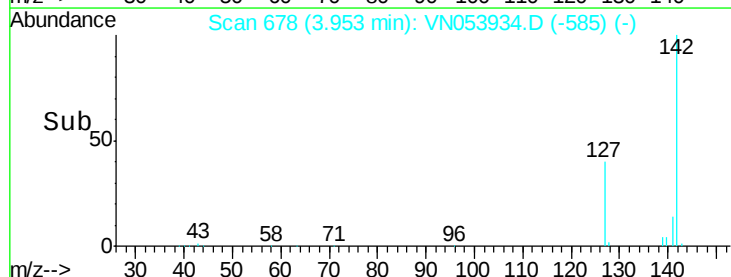
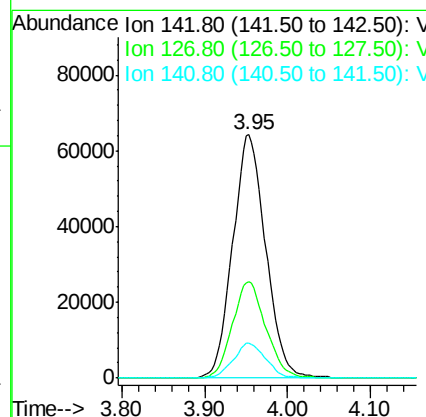
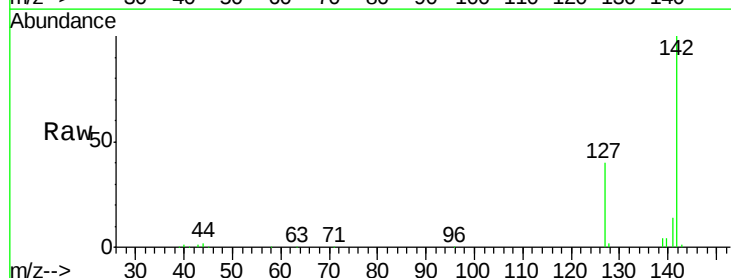
RT: 3.95 min Scan# 678

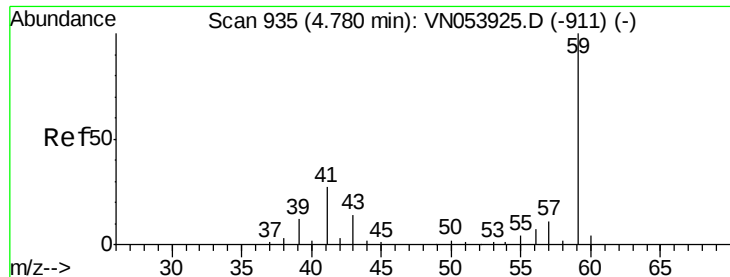
Delta R.T. -0.00 min

Lab File: VN053934.D

Acq: 25 Feb 2019 17:22

Tgt Ion:	142	Resp:	177981
Ion Ratio	Lower	Upper	
142	100		
127	40.2	31.0	46.4
141	14.2	11.3	16.9





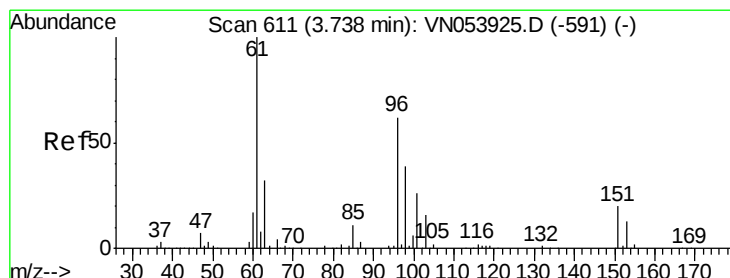
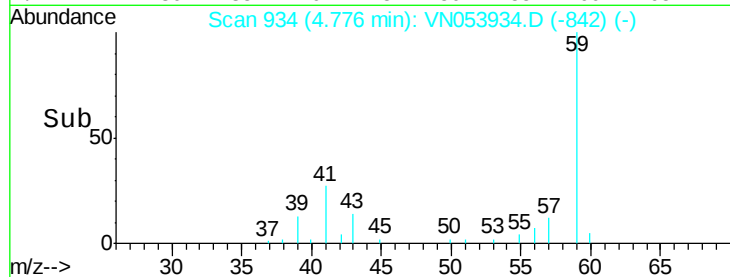
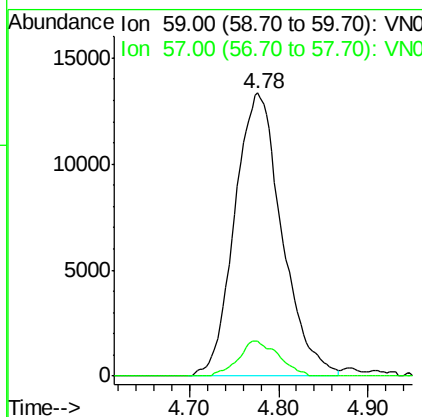
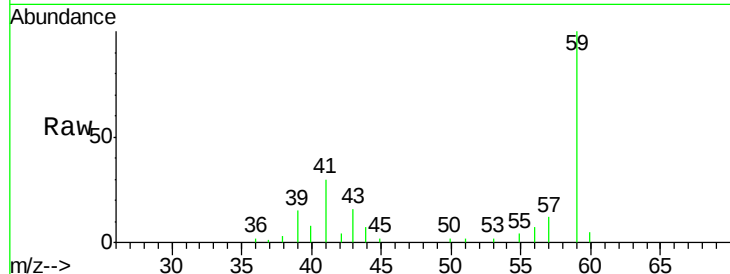
#11
Tert butyl alcohol
Concen: 104.451 ug/l
RT: 4.78 min Scan# 934
Delta R.T. -0.00 min
Lab File: VN053934.D
Acq: 25 Feb 2019 17:22

Instrument :
MSVOA_N
ClientSampleId :
VN0225WBSD01

Tot Ion: 59 Resp: 49078
Ion Ratio Lower Upper
59 100
57 10.6 8.1 12.1

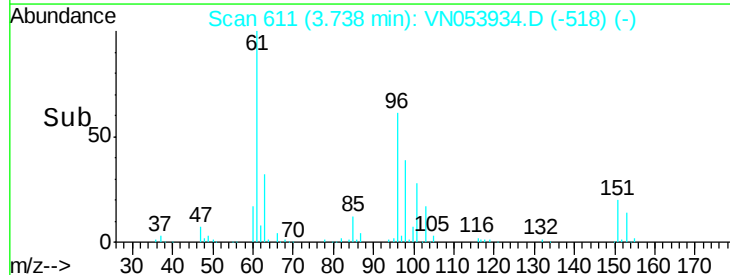
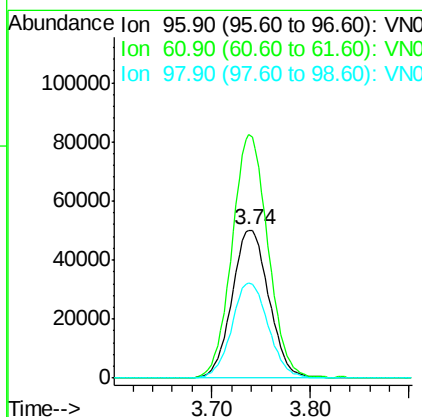
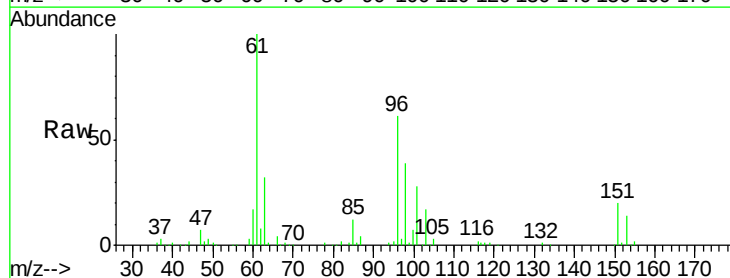
Manual Integrations
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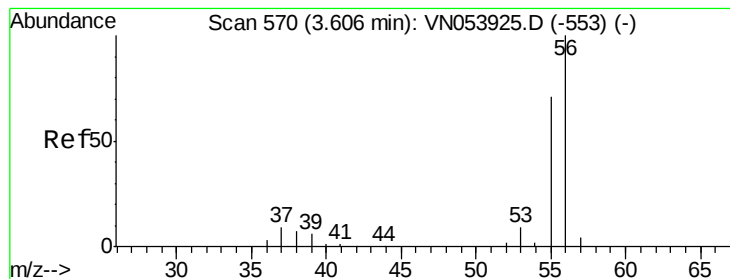
MMDadoda
2/28/2019 10:48:39 AM



#12
1,1-Dichloroethene
Concen: 20.910 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.00 min
Lab File: VN053934.D
Acq: 25 Feb 2019 17:22

Tgt Ion: 96 Resp: 130513
Ion Ratio Lower Upper
96 100
61 164.4 121.0 181.4
98 64.4 52.2 78.2





#13

Acrolein

Concen: 96.355 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN053934.D

Acq: 25 Feb 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

VN0225WBSD01

Tot Ion: 56 Resp: 46874

Ion Ratio Lower Upper

56 100

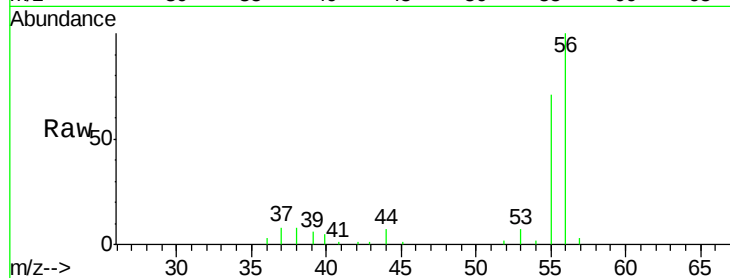
55 71.2 56.3 84.5

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

20000

15000

10000

5000

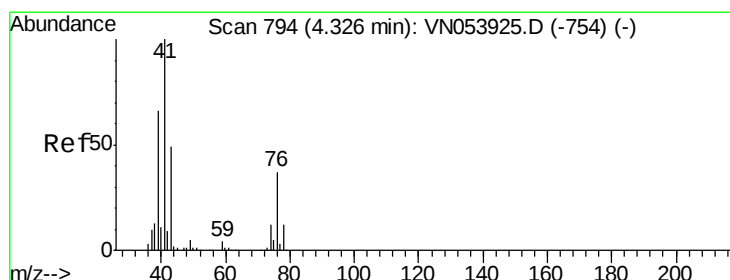
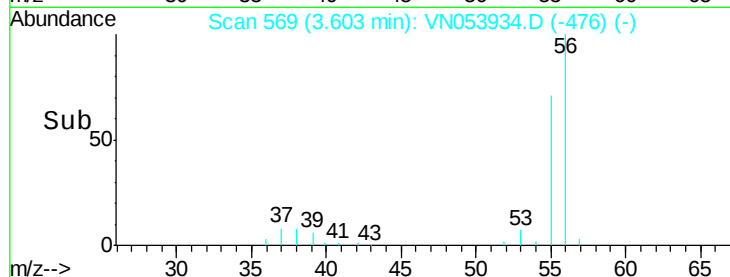
0

3.60

3.50

3.70

Time-->



#14

Allyl chloride

Concen: 21.212 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN053934.D

Acq: 25 Feb 2019 17:22

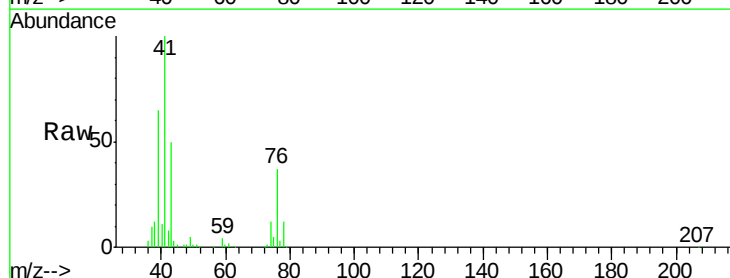
Tgt Ion: 41 Resp: 232220

Ion Ratio Lower Upper

41 100

39 63.8 48.8 73.2

76 34.5 30.9 46.3



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

100000

80000

60000

40000

20000

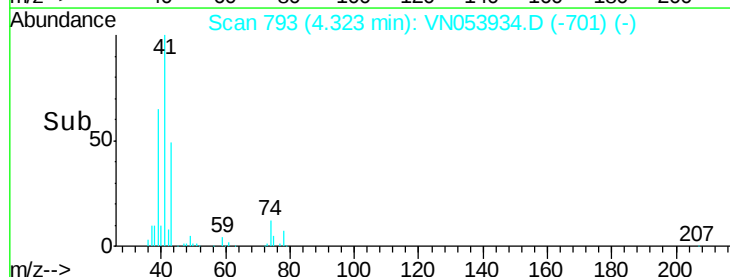
0

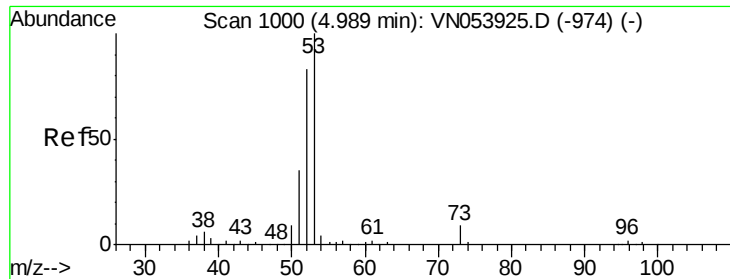
4.32

4.20

4.40

Time-->





#15

Acrylonitrile

Concen: 106.684 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN053934.D

Acq: 25 Feb 2019 17:22

Instrument :

MSVOA_N

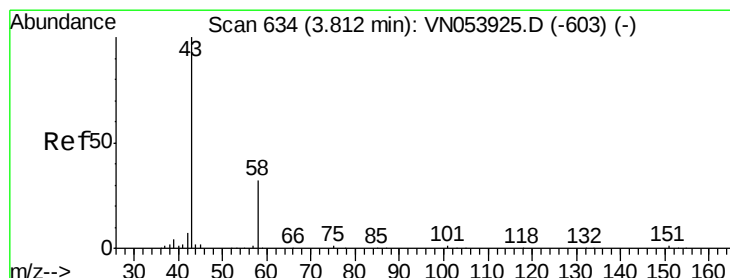
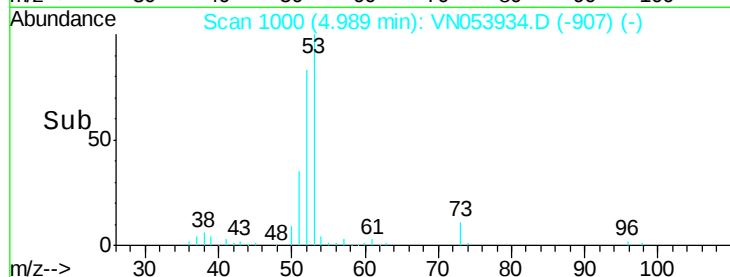
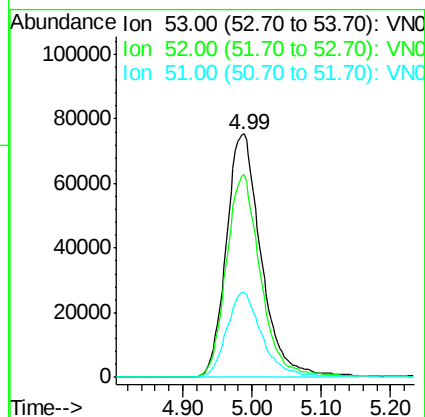
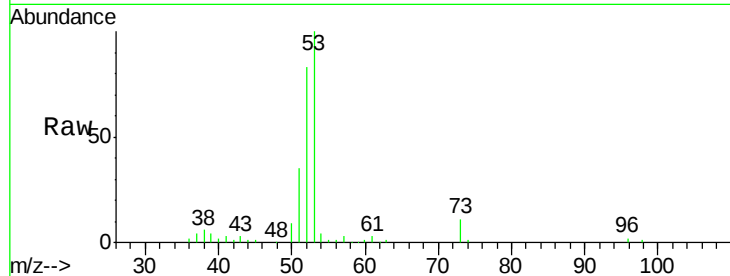
ClientSampleId :

VN0225WBSD01

Tot Ion:	53	Resp:	264196
Ion Ratio	Lower	Upper	
53	100		
52	81.4	65.1	97.7
51	35.0	28.2	42.4

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#16

Acetone

Concen: 97.701 ug/l

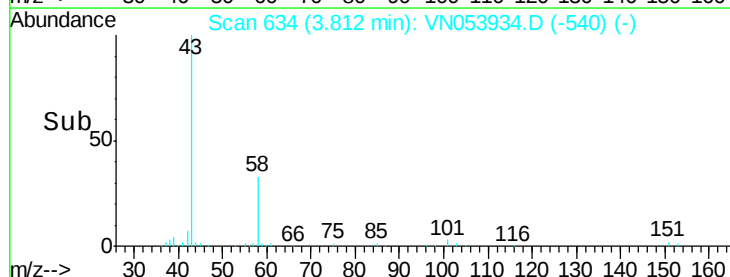
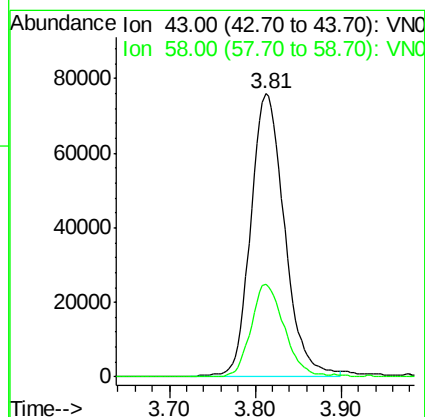
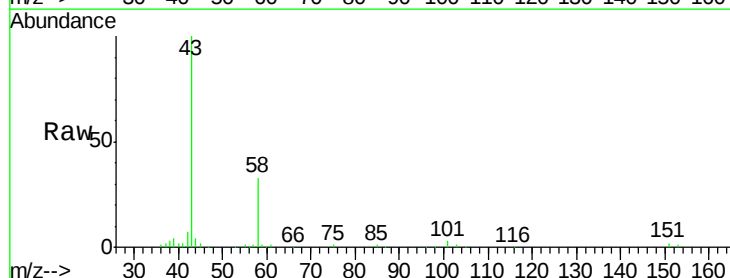
RT: 3.81 min Scan# 634

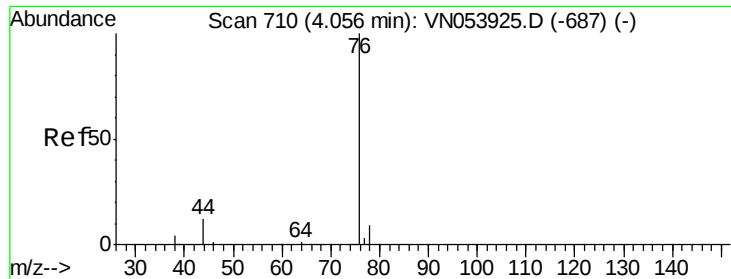
Delta R.T. 0.00 min

Lab File: VN053934.D

Acq: 25 Feb 2019 17:22

Tgt Ion:	43	Resp:	206221
Ion Ratio	Lower	Upper	
43	100		
58	33.0	27.6	41.4





#17

Carbon Disulfide

Concen: 20.138 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN053934.D

Acq: 25 Feb 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

VN0225WBSD01

Tot Ion: 76 Resp: 405499

Ion Ratio Lower Upper

76 100

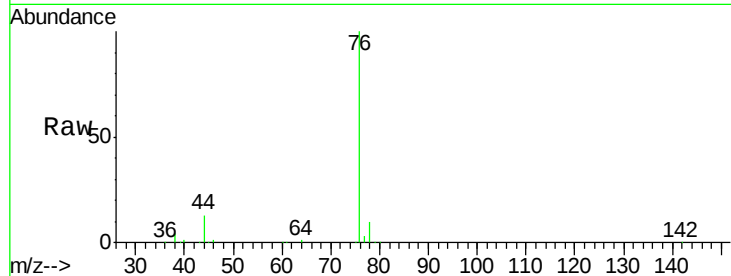
78 9.6 7.5 11.3

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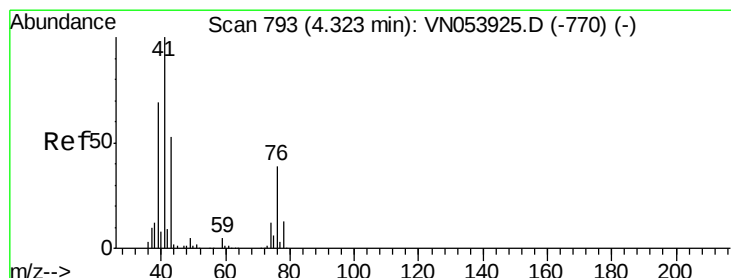
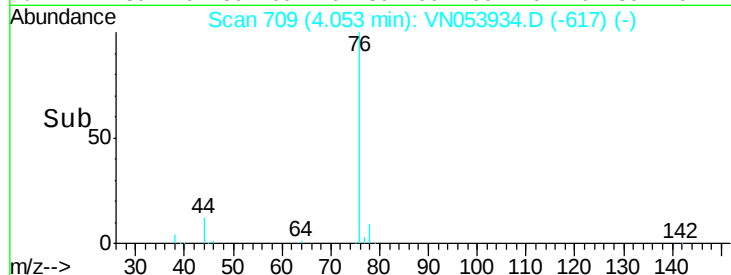
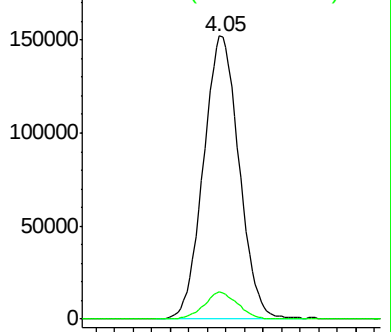
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 21.293 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN053934.D

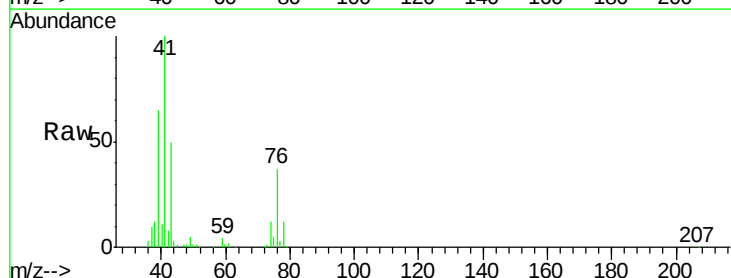
Acq: 25 Feb 2019 17:22

Tgt Ion: 43 Resp: 110357

Ion Ratio Lower Upper

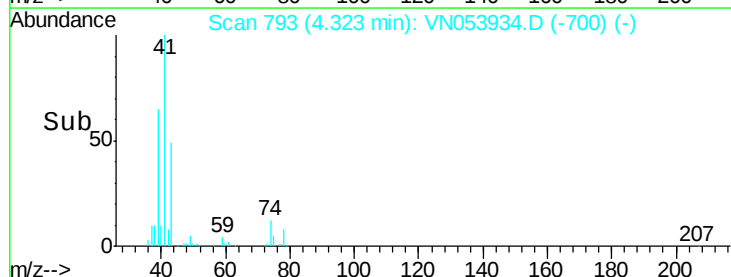
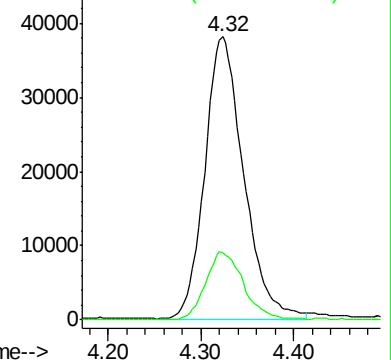
43 100

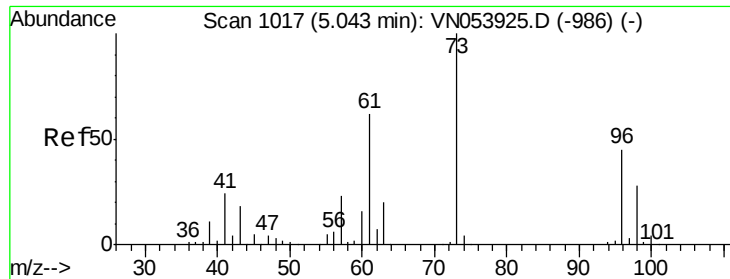
74 23.5 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





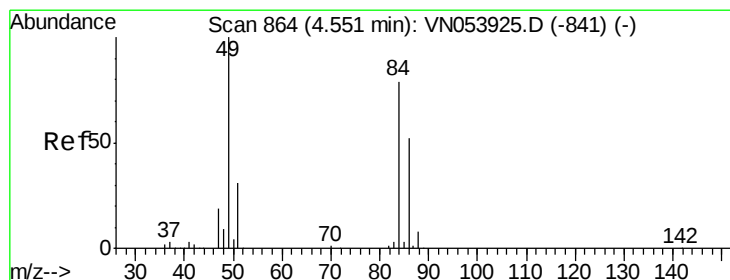
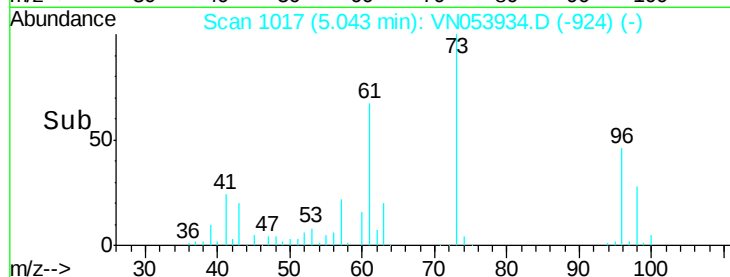
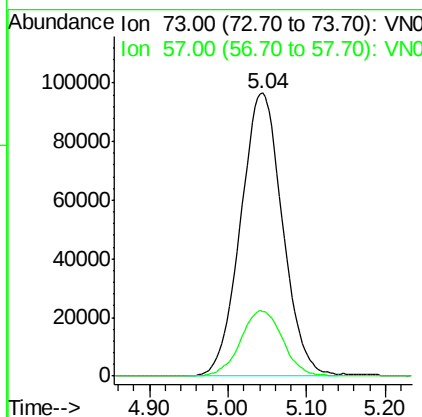
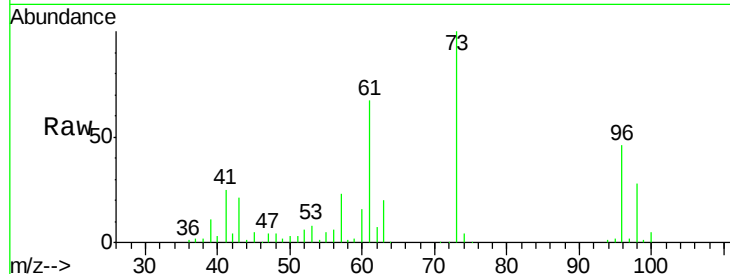
#19
Methvl tert-butvl Ether
Concen: 21.620 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053934.D
Acq: 25 Feb 2019 17:22

Instrument :
MSVOA_N
ClientSampleId :
VN0225WBSD01

Tot Ion: 73 Resp: 361995
Ion Ratio Lower Upper
73 100
57 23.0 18.0 27.0

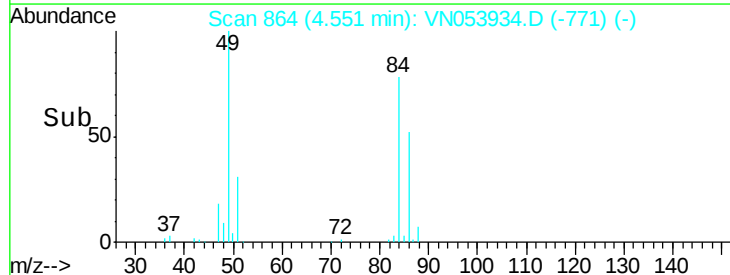
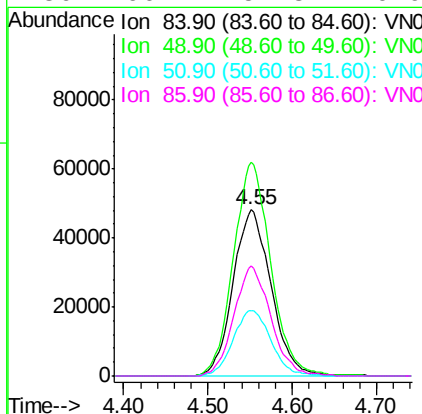
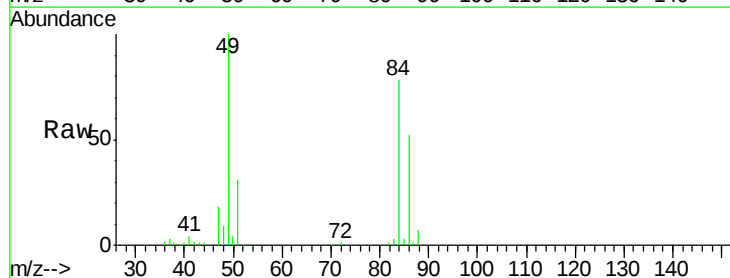
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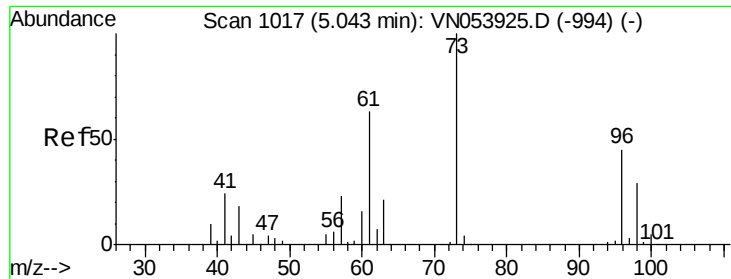
MMDadoda
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#20
Methylene Chloride
Concen: 20.566 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN053934.D
Acq: 25 Feb 2019 17:22

Tgt Ion: 84 Resp: 150865
Ion Ratio Lower Upper
84 100
49 128.6 89.7 134.5
51 39.5 27.8 41.8
86 66.4 51.3 76.9





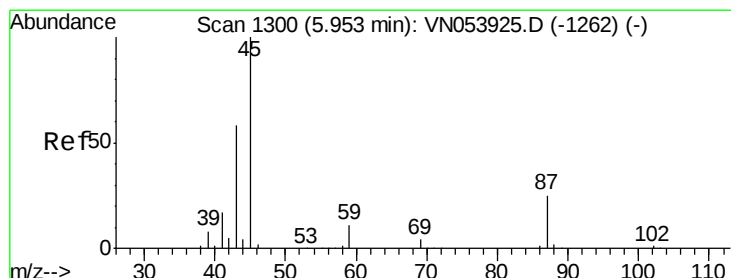
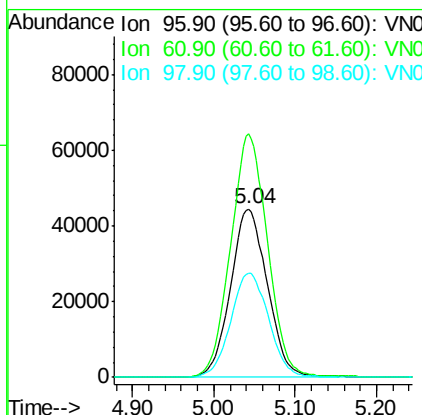
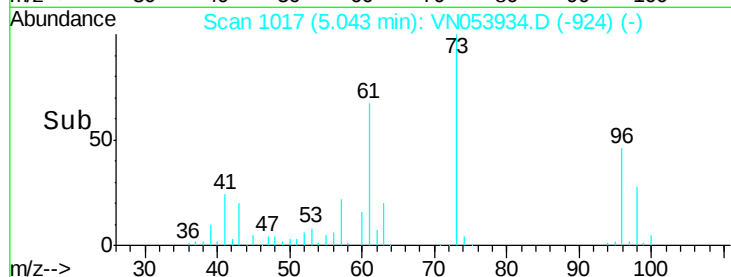
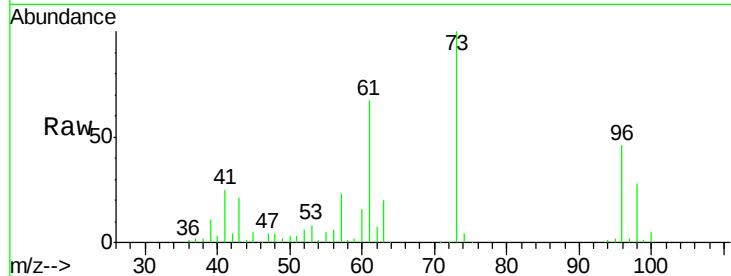
#21
trans-1,2-Dichloroethene
Concen: 20.771 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053934.D
Acq: 25 Feb 2019 17:22

Instrument :
MSVOA_N
ClientSampleId :
VN0225WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.8	104.5	156.7
98	61.9	50.6	76.0

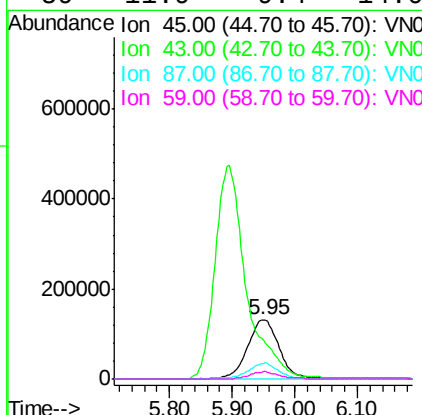
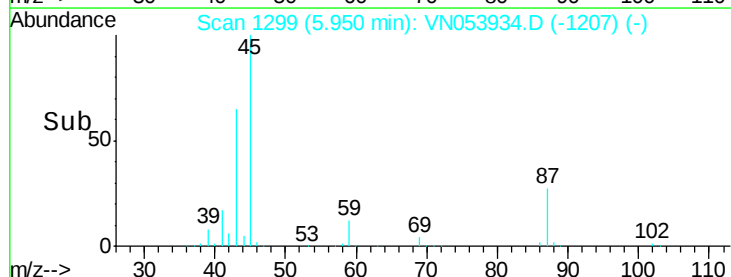
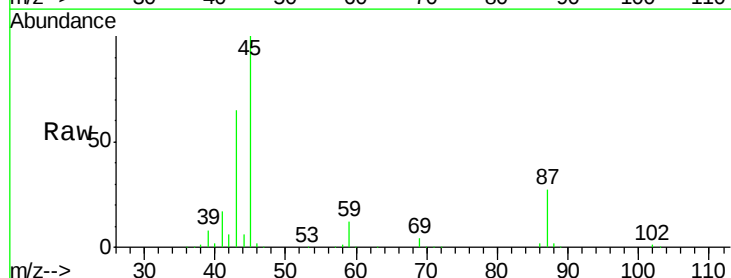
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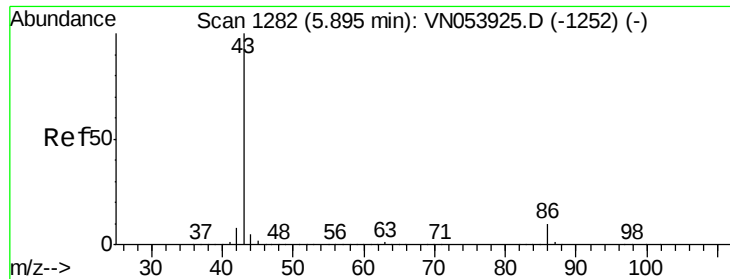
MMDadoda
2/28/2019 10:48:39 AM



#22
Diisopropyl ether
Concen: 22.077 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN053934.D
Acq: 25 Feb 2019 17:22

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.8	46.2	69.4
87	26.3	23.4	35.0
59	11.9	9.4	14.0





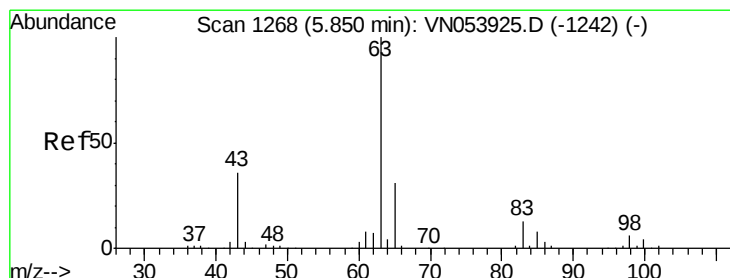
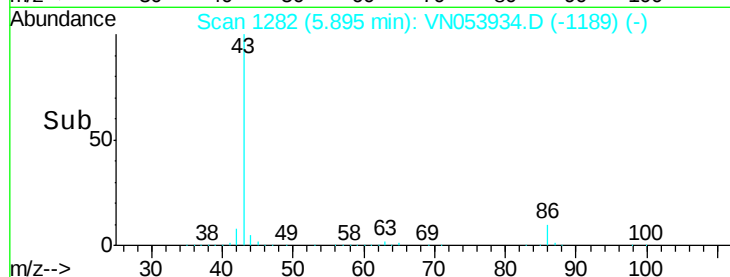
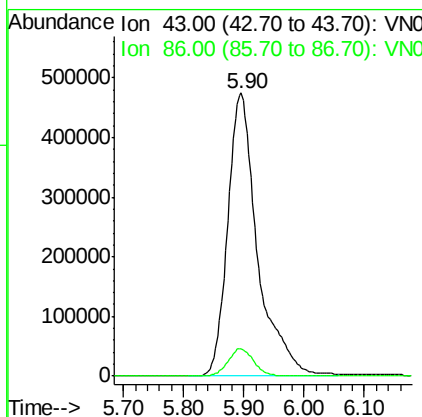
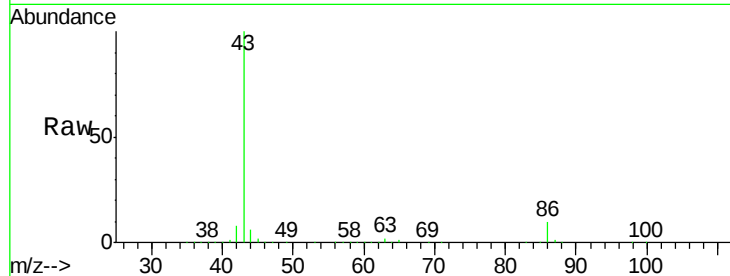
#23
 Vinyl Acetate
 Concen: 108.185 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VN053934.D
 Acq: 25 Feb 2019 17:22

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0225WBSD01

Tot Ion: 43 Resp: 1643676
 Ion Ratio Lower Upper
 43 100
 86 9.6 9.1 13.7

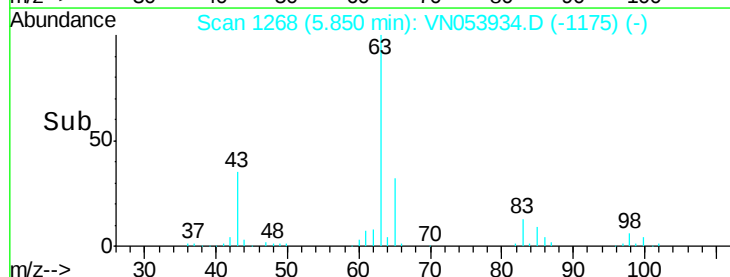
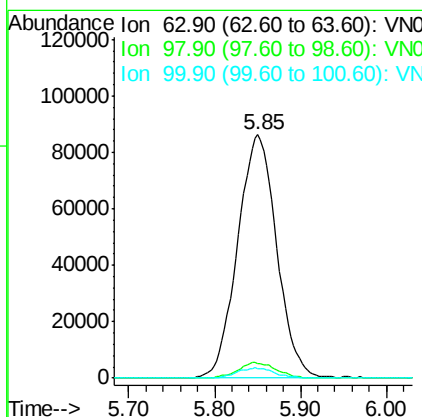
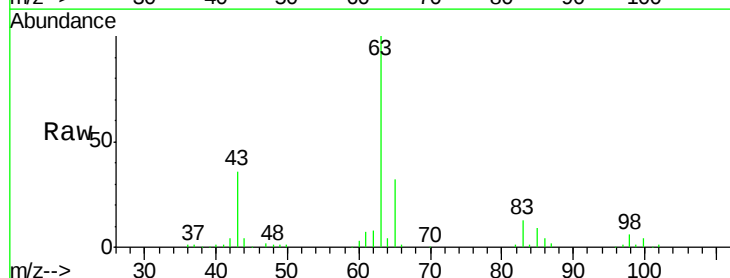
Manual Integrations
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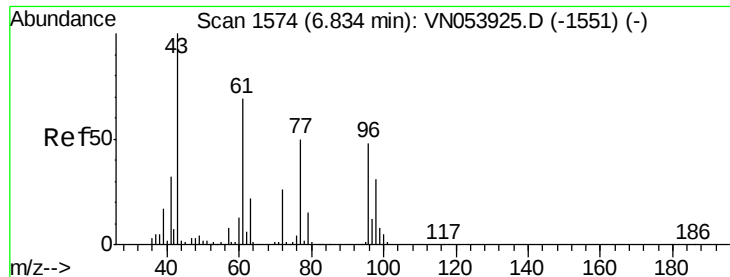
MMDadoda
 2/28/2019 10:48:39 AM



#24
 1,1-Dichloroethane
 Concen: 21.036 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN053934.D
 Acq: 25 Feb 2019 17:22

Tgt Ion: 63 Resp: 272442
 Ion Ratio Lower Upper
 63 100
 98 6.0 3.4 10.2
 100 4.1 2.2 6.6





#25

2-Butanone

Concen: 103.378 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN053934.D

Acq: 25 Feb 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

VN0225WBSD01

Tot Ion: 43 Resp: 300858

Ion Ratio Lower Upper

43 100

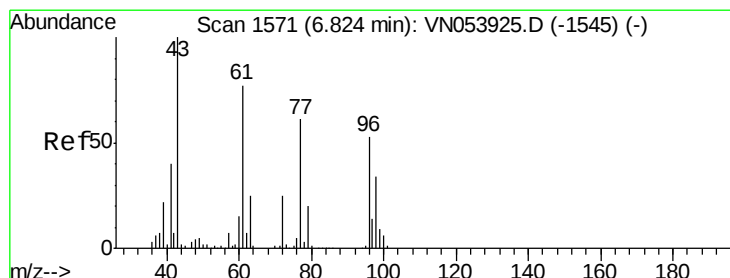
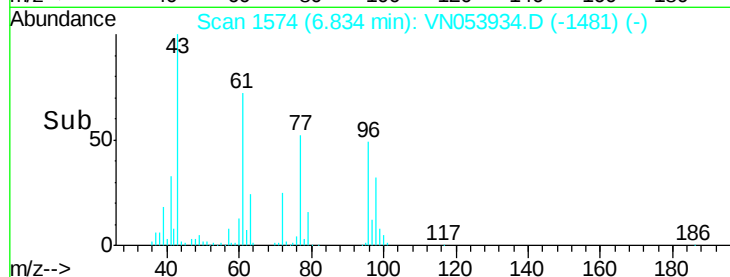
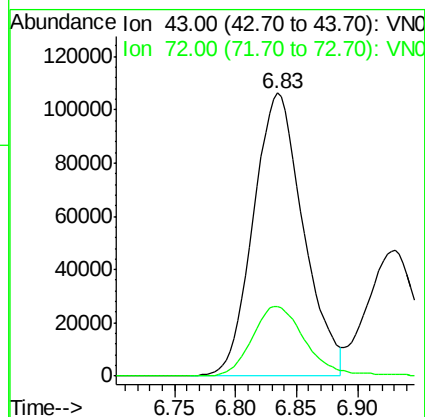
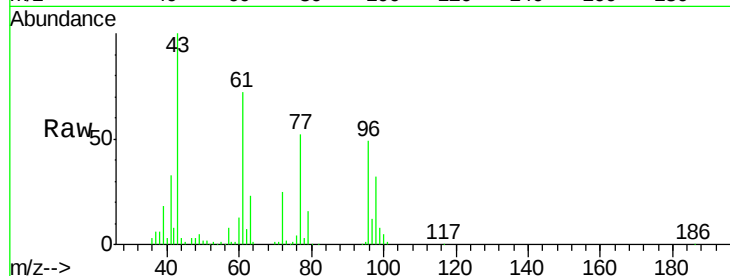
72 24.6 22.1 33.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.884 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN053934.D

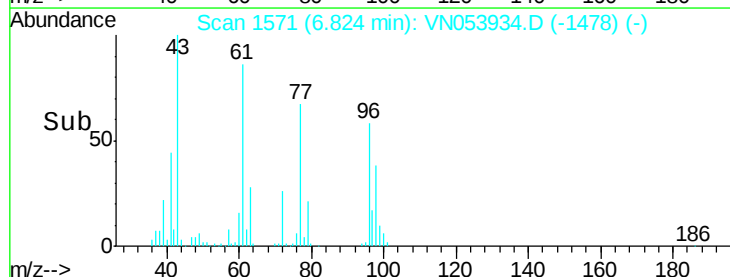
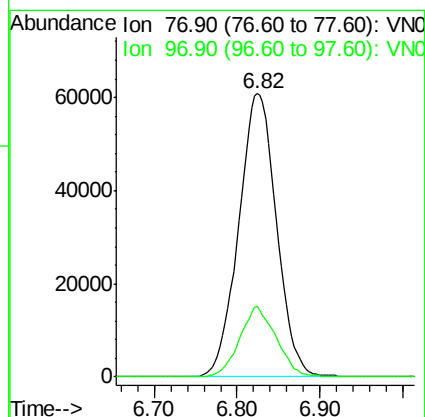
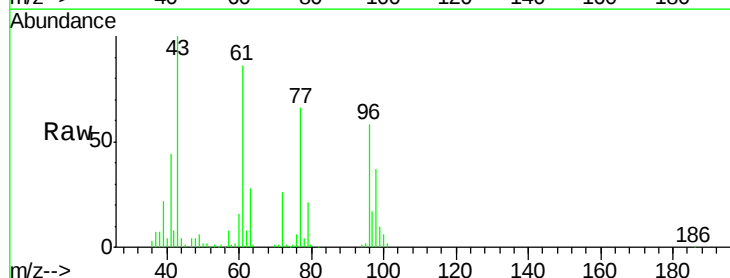
Acq: 25 Feb 2019 17:22

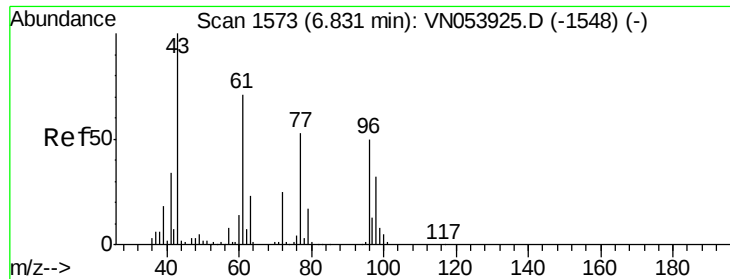
Tgt Ion: 77 Resp: 192162

Ion Ratio Lower Upper

77 100

97 24.1 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 21.292 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053934.D

Acq: 25 Feb 2019 17:22

Instrument :

MSVOA_N

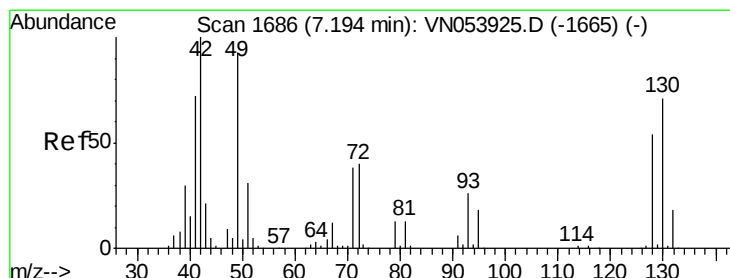
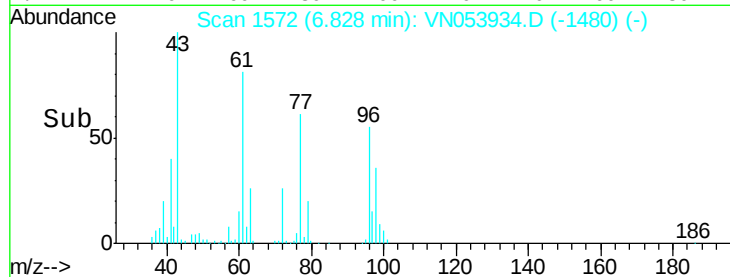
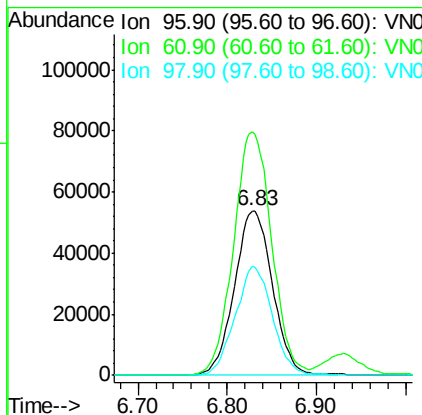
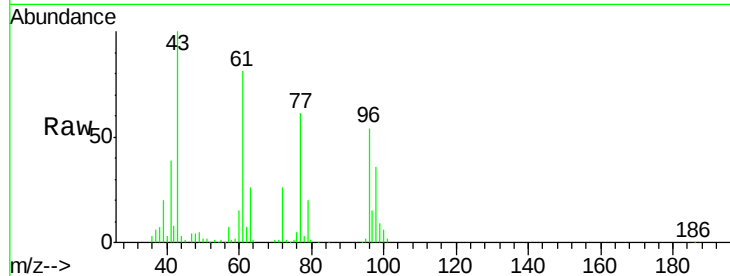
ClientSampleId :

VN0225WBSD01

Tot Ion:	96	Resp:	159966
Ion	Ratio	Lower	Upper
96	100		
61	148.0	0.0	275.6
98	64.8	0.0	130.0

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#28

Bromochloromethane

Concen: 21.377 ug/l

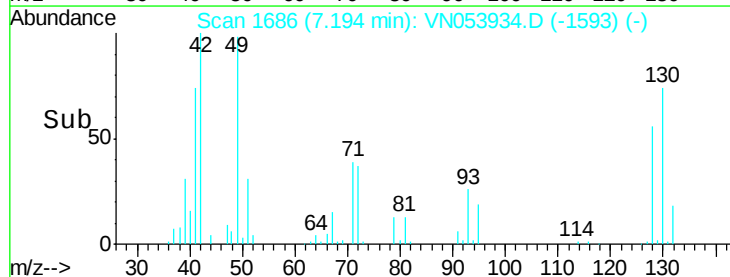
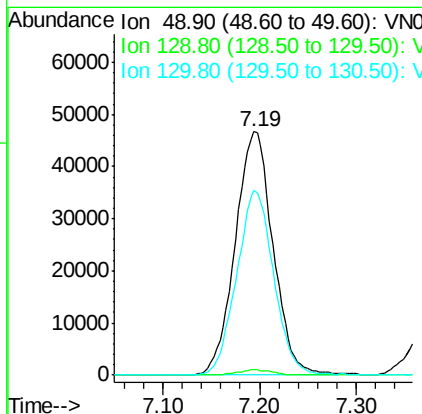
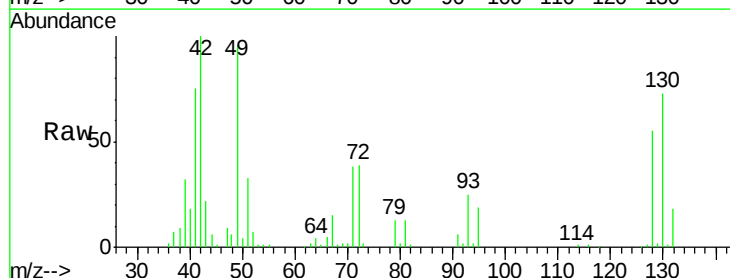
RT: 7.19 min Scan# 1686

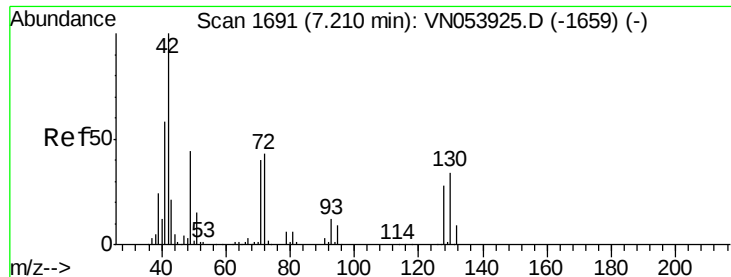
Delta R.T. -0.00 min

Lab File: VN053934.D

Acq: 25 Feb 2019 17:22

Tgt Ion:	49	Resp:	126728
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.6
130	74.1	72.9	109.3





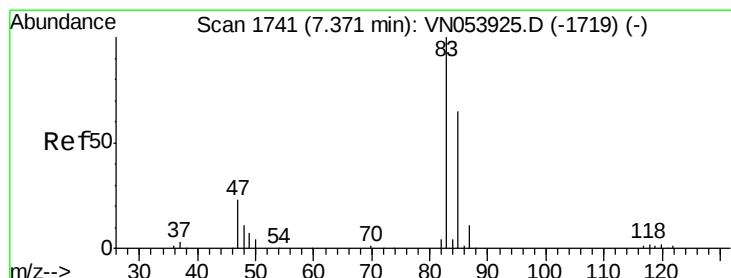
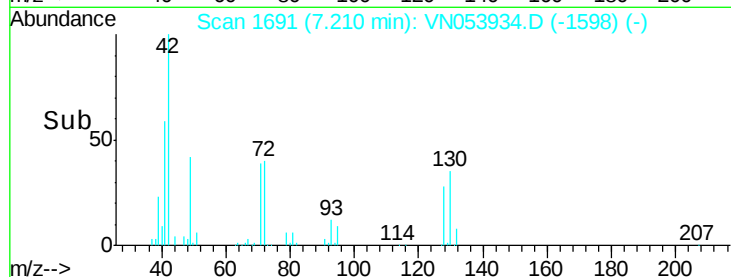
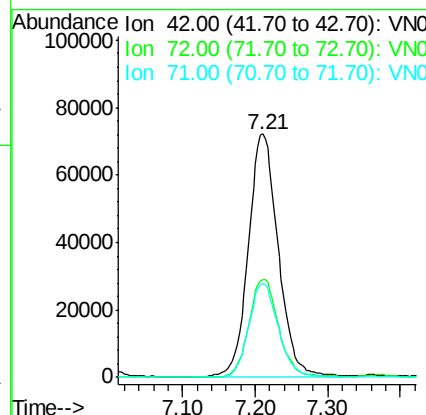
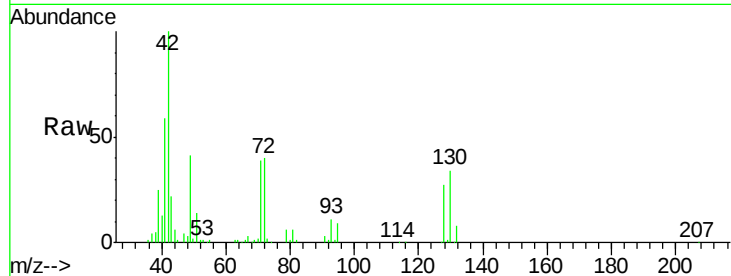
#29
Tetrahydrofuran
Concen: 107.364 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN053934.D
Acq: 25 Feb 2019 17:22

Instrument :
MSVOA_N
ClientSampleId :
VN0225WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.8	36.9	55.3
71	38.0	34.6	52.0

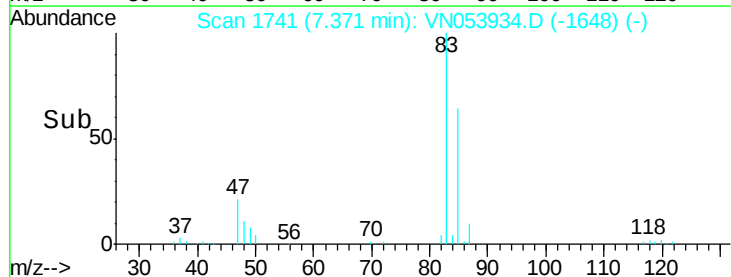
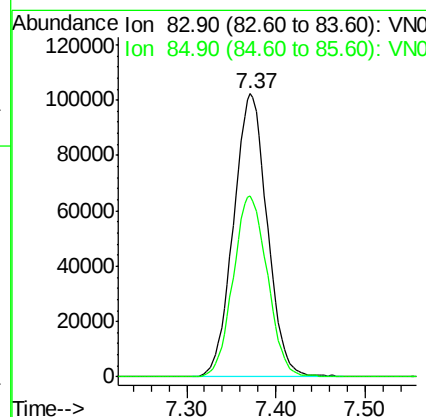
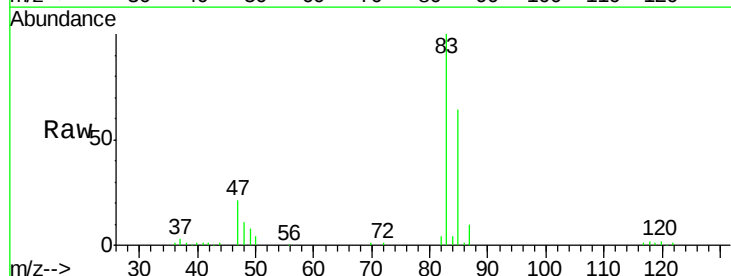
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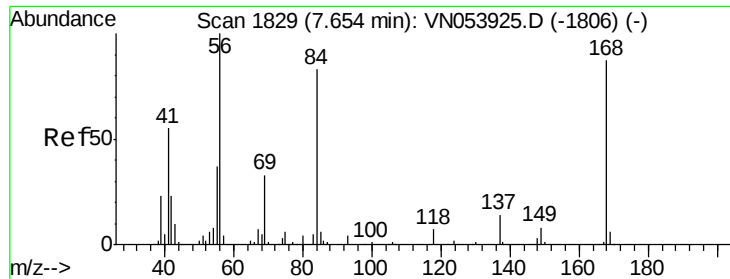
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#30
Chloroform
Concen: 21.337 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN053934.D
Acq: 25 Feb 2019 17:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	52.6	78.8





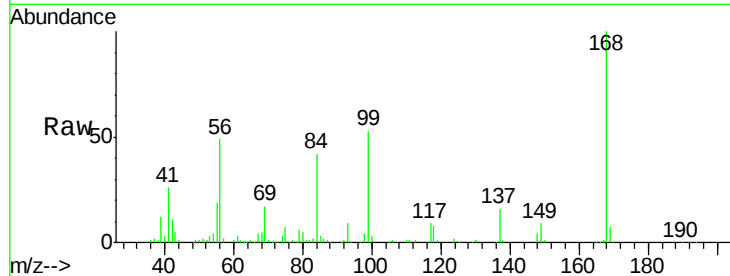
#31
Cyclohexane
Concen: 21.563 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN053934.D
Acq: 25 Feb 2019 17:22

Instrument :
MSVOA_N
ClientSampleId :
VN0225WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.6	26.0	39.0
84	83.3	69.1	103.7

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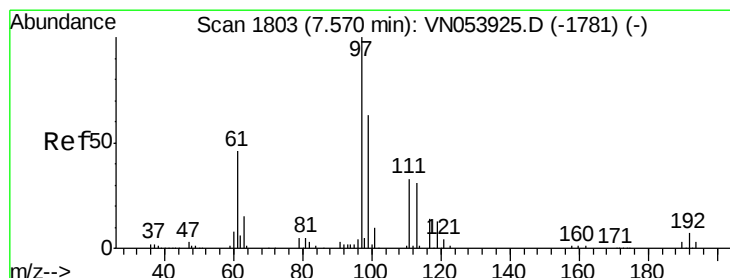
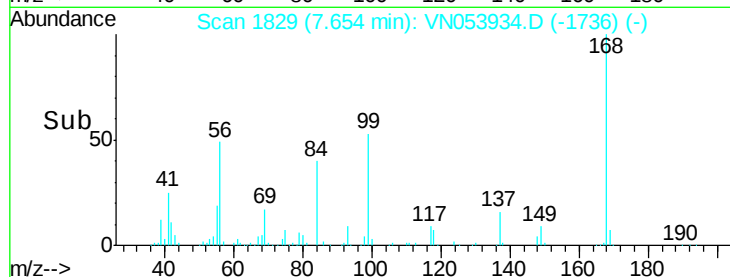
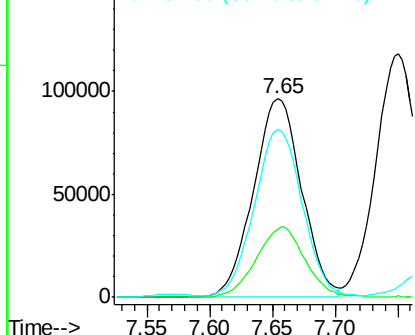


Abundance

Ion 56.00 (55.70 to 56.70): VNC

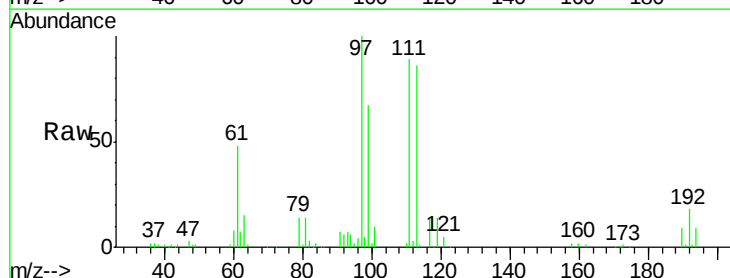
Ion 69.00 (68.70 to 69.70): VNC

Ion 84.00 (83.70 to 84.70): VNC



#32
1,1,1-Trichloroethane
Concen: 21.083 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN053934.D
Acq: 25 Feb 2019 17:22

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.8	77.8
61	45.6	33.2	49.8

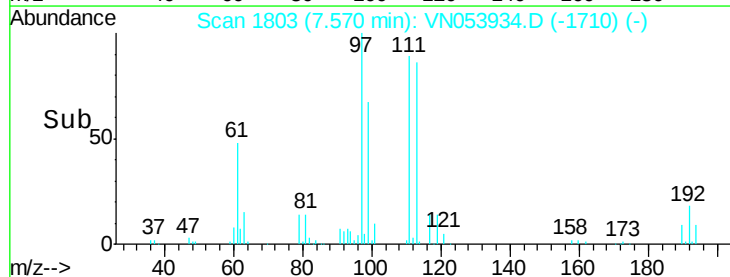
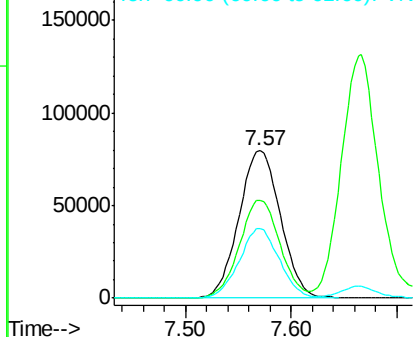


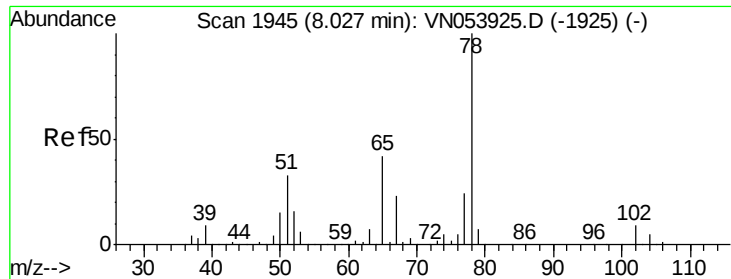
Abundance

Ion 96.90 (96.60 to 97.60): VNC

Ion 98.90 (98.60 to 99.60): VNC

Ion 60.90 (60.60 to 61.60): VNC





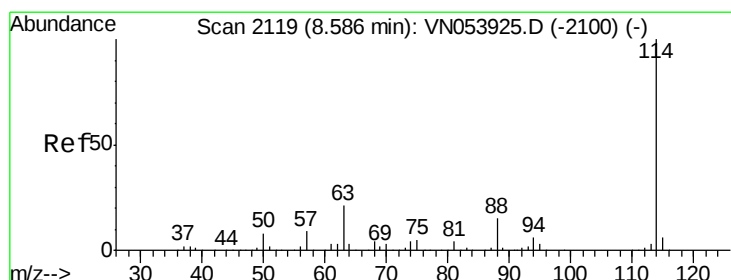
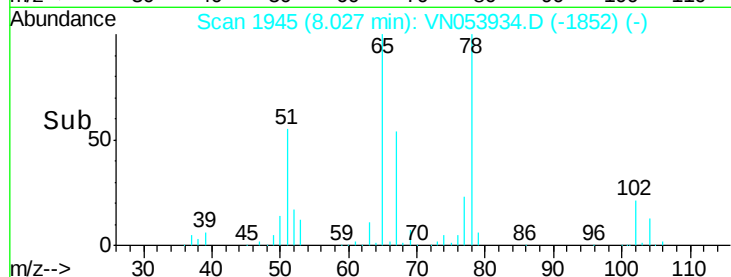
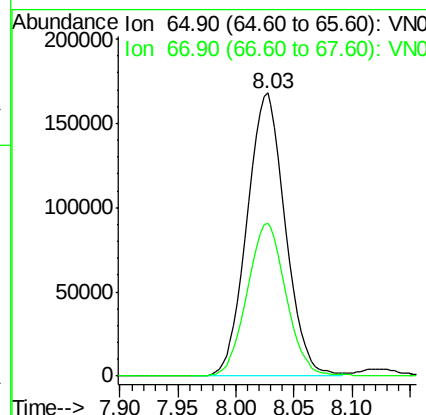
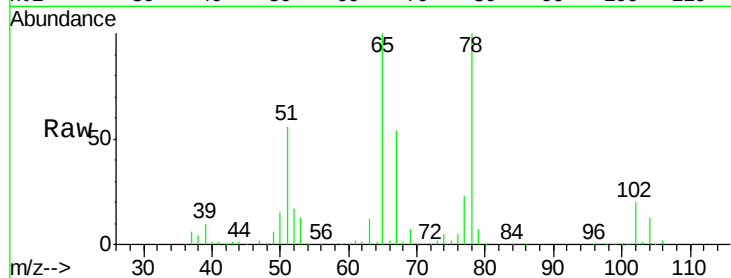
#33
 1,2-Dichloroethane-d4
 Concen: 52.238 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053934.D
 Acq: 25 Feb 2019 17:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0225WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	387179		
67	54.9	0.0	111.8	

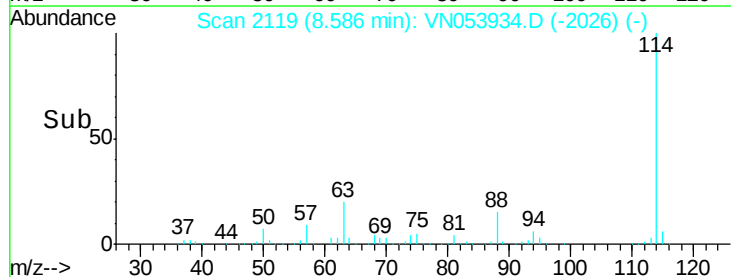
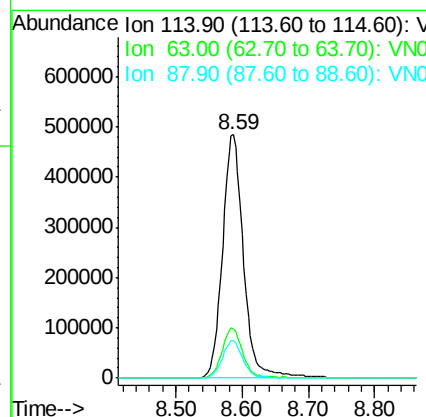
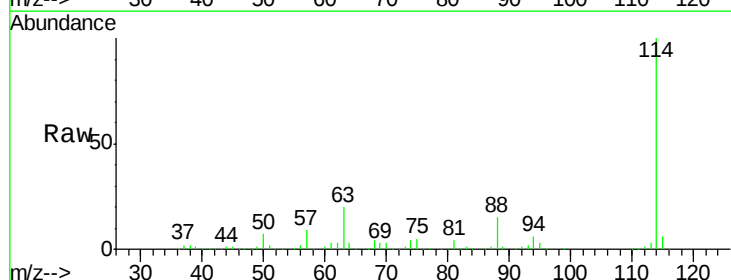
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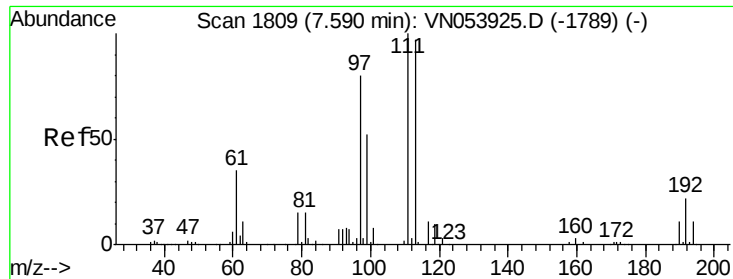
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN053934.D
 Acq: 25 Feb 2019 17:22

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1064734		
63	20.2	0.0	37.4	
88	15.5	0.0	30.4	





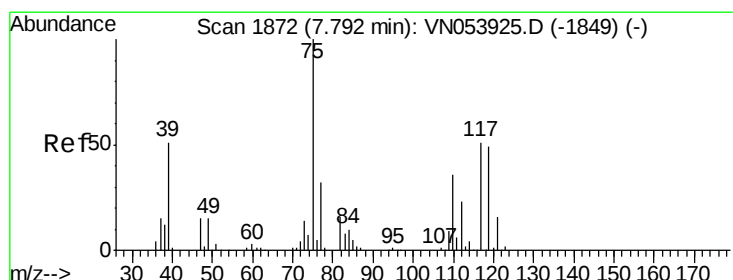
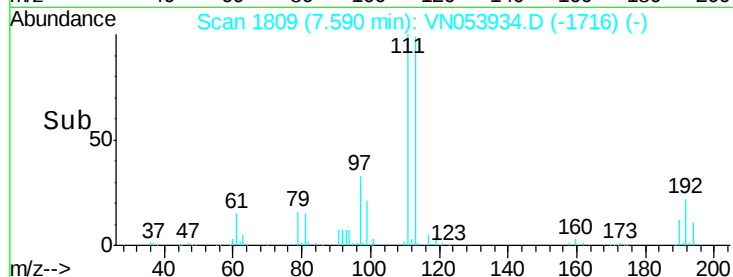
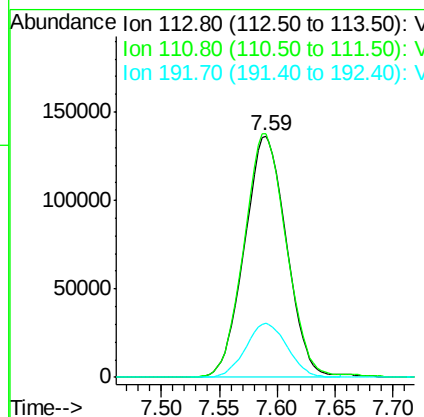
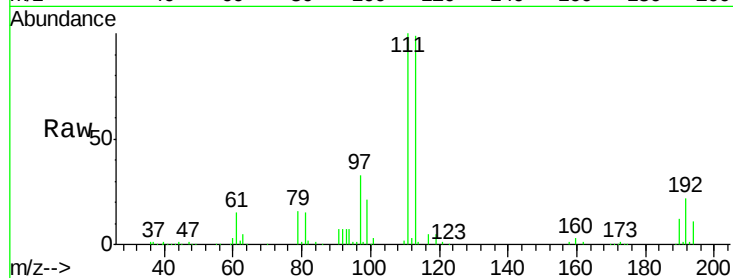
#35
Dibromofluoromethane
Concen: 49.986 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN053934.D
Acq: 25 Feb 2019 17:22

Instrument :
MSVOA_N
ClientSampled :
VN0225WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	344165		
111	101.8	81.1	121.7	
192	22.3	18.8	28.2	

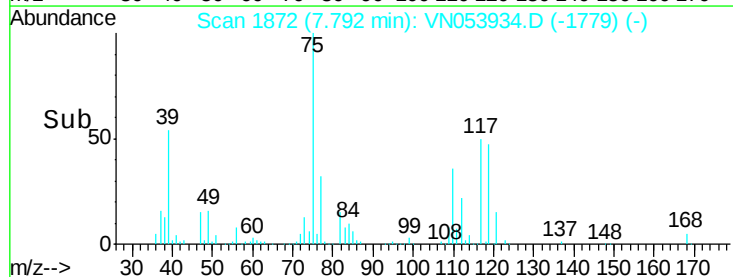
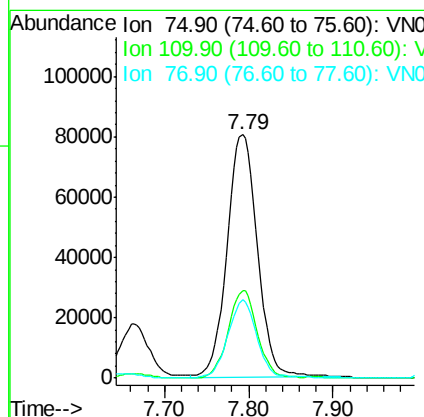
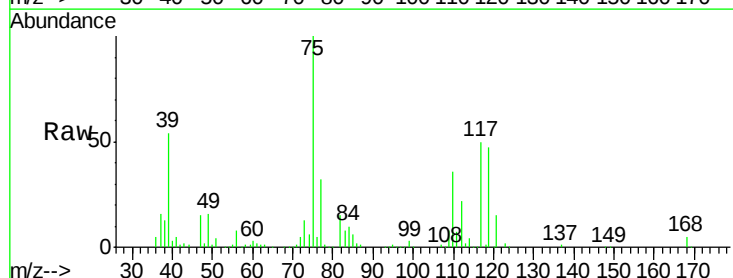
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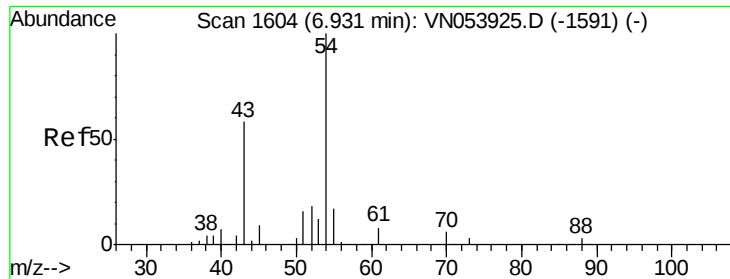
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2/28/2019 10:48:39 AM



#36
1,1-Dichloropropene
Concen: 20.364 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN053934.D
Acq: 25 Feb 2019 17:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	201636		
110	34.5	19.0	57.0	
77	30.3	25.4	38.0	





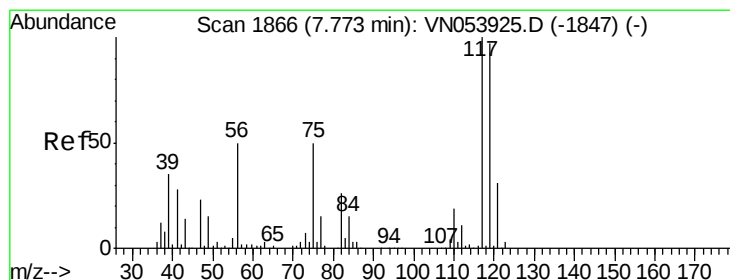
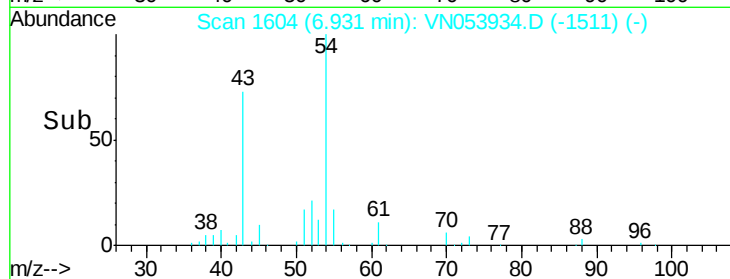
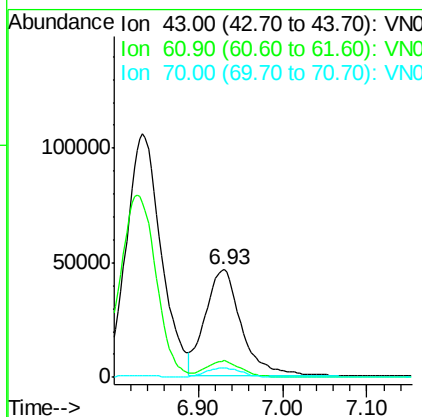
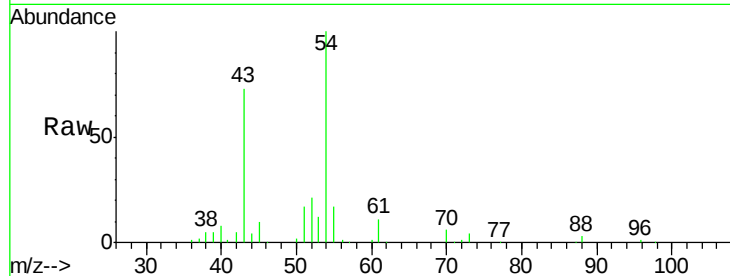
#37
Ethyl Acetate
Concen: 19.745 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN053934.D
Acq: 25 Feb 2019 17:22

Instrument :
MSVOA_N
ClientSampled :
VN0225WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	12.0	18.0
70	8.9	8.7	13.1

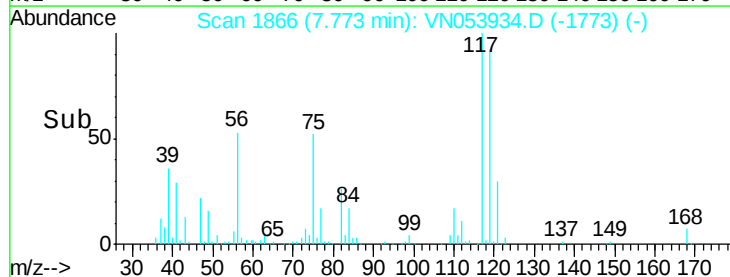
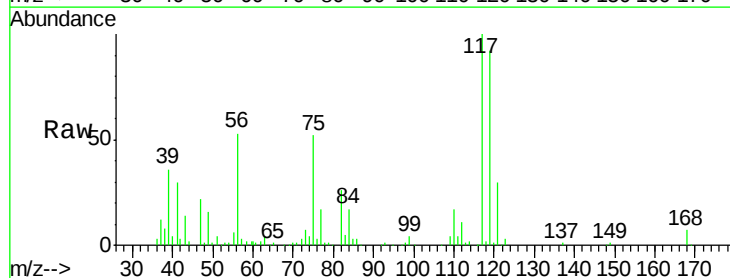
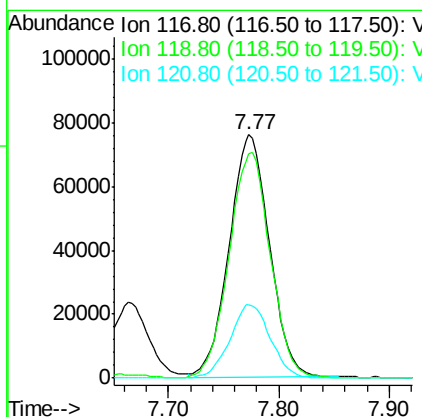
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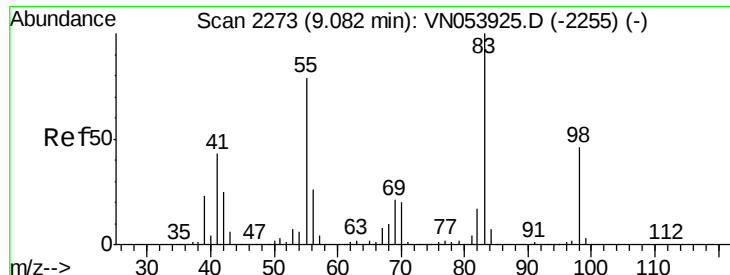
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2/28/2019 10:48:39 AM



#38
Carbon Tetrachloride
Concen: 18.584 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053934.D
Acq: 25 Feb 2019 17:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.4	76.2	114.2
121	30.6	24.6	36.8





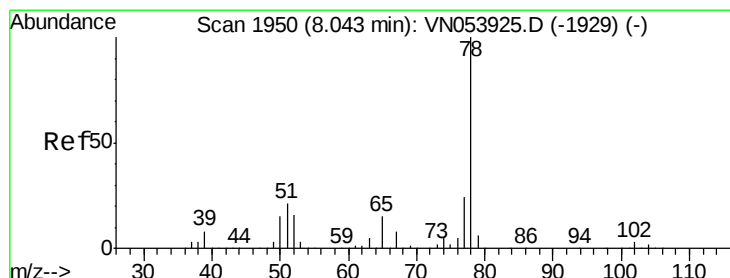
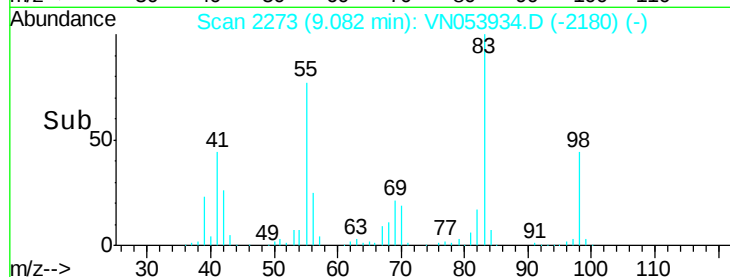
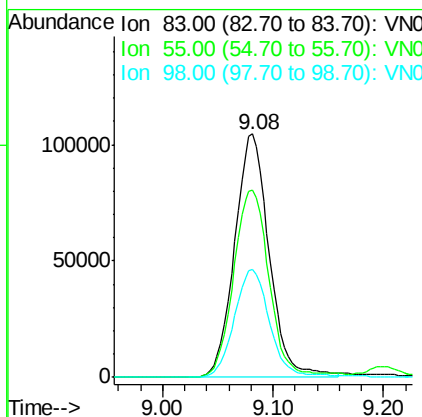
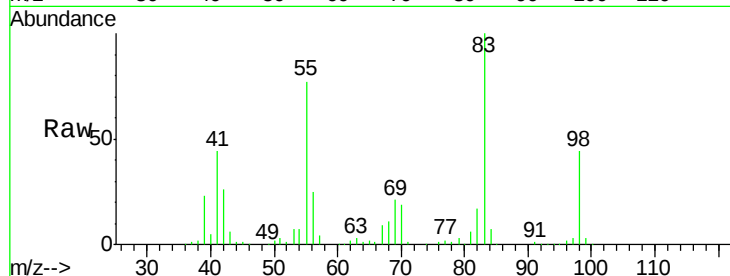
#39
Methvlcvclohexane
Concen: 19.045 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053934.D
Acq: 25 Feb 2019 17:22

Instrument :
MSVOA_N
ClientSampled :
VN0225WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.9	58.2	87.4
98	44.4	37.2	55.8

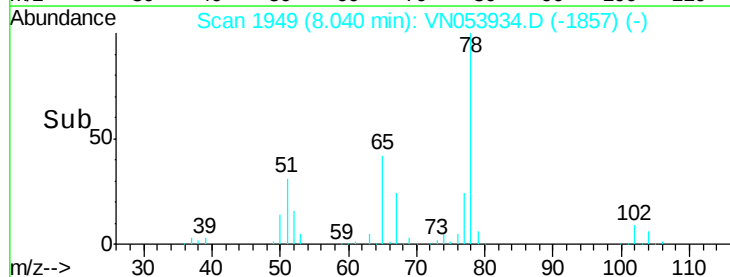
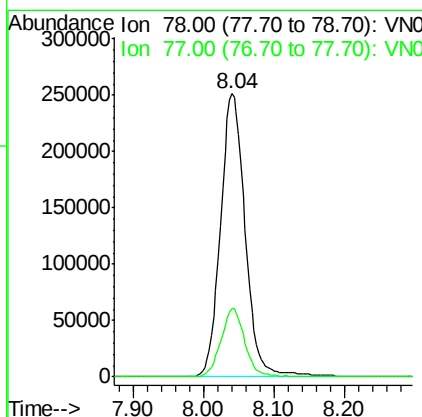
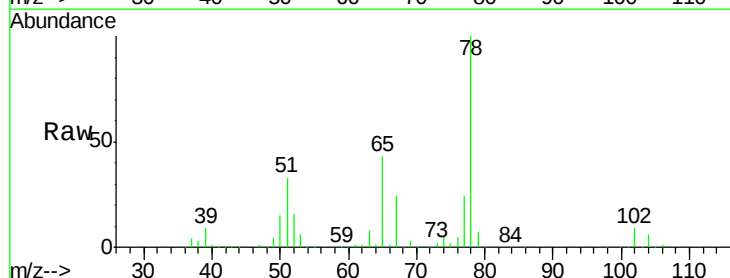
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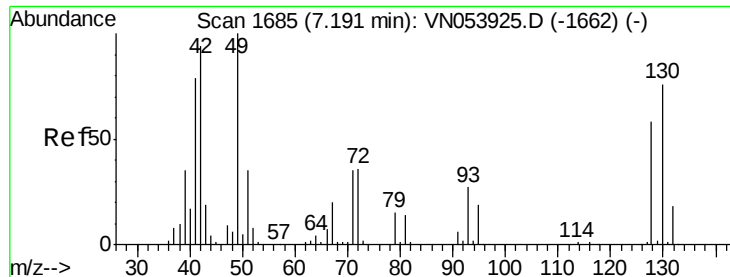
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2/28/2019 10:48:39 AM



#40
Benzene
Concen: 20.287 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053934.D
Acq: 25 Feb 2019 17:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.8	28.2





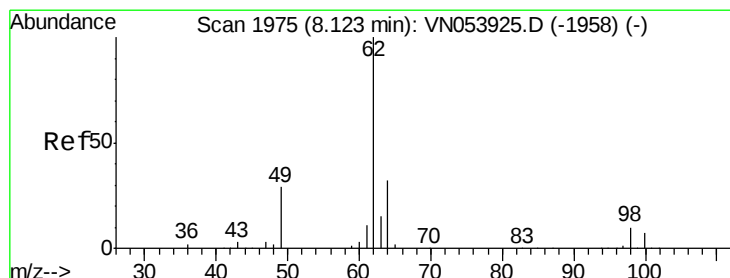
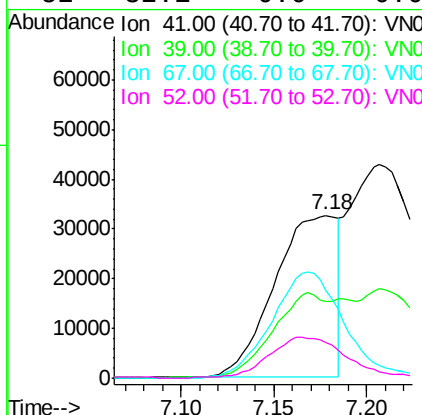
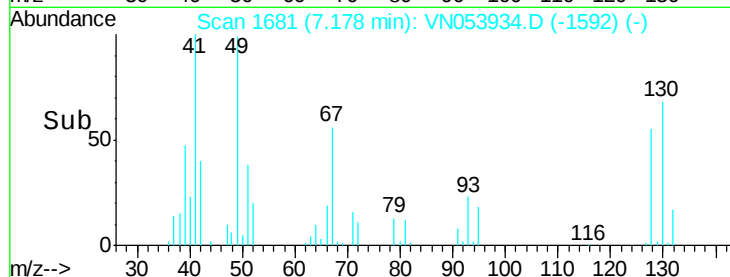
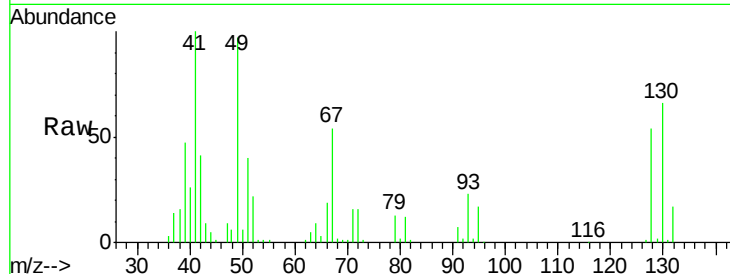
#41
Methacrylonitrile
Concen: 16.823 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.01 min
Lab File: VN053934.D
Acq: 25 Feb 2019 17:22

Instrument :
MSVOA_N
ClientSampleId :
VN0225WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	43.1	0.0	0.0#
67	76.7	0.0	0.0#
52	32.1	0.0	0.0#

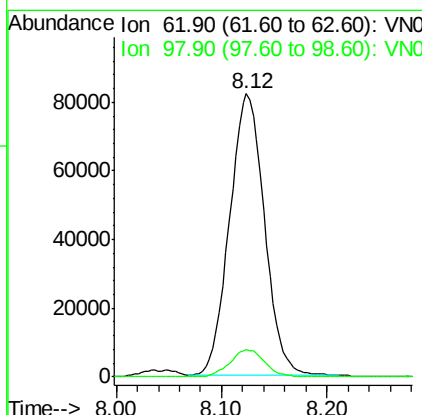
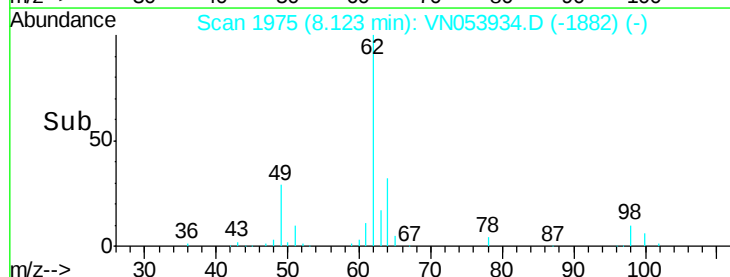
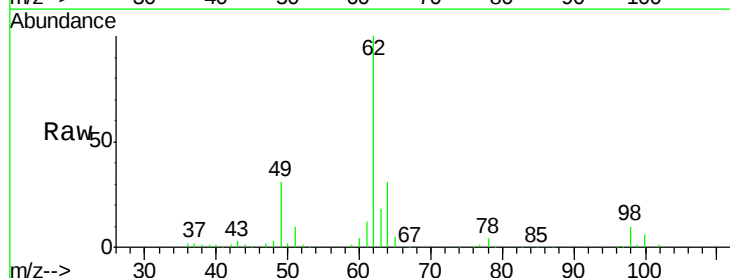
Manual Integrations
APPROVED

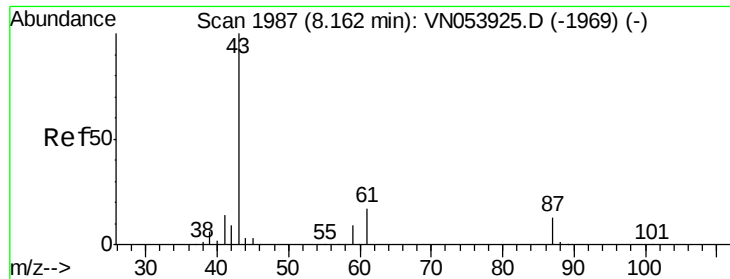
MMDadoda
2/28/2019 10:48:39 AM



#42
1,2-Dichloroethane
Concen: 19.927 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053934.D
Acq: 25 Feb 2019 17:22

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	20.8





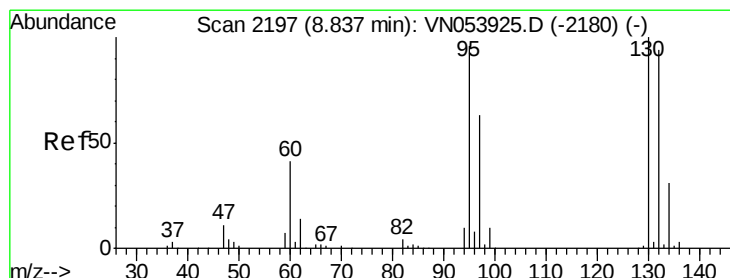
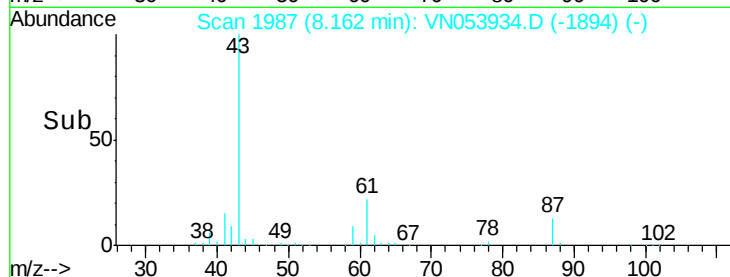
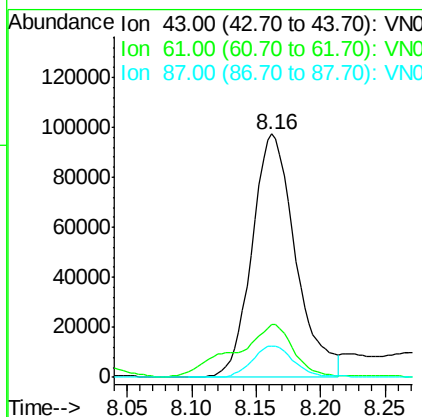
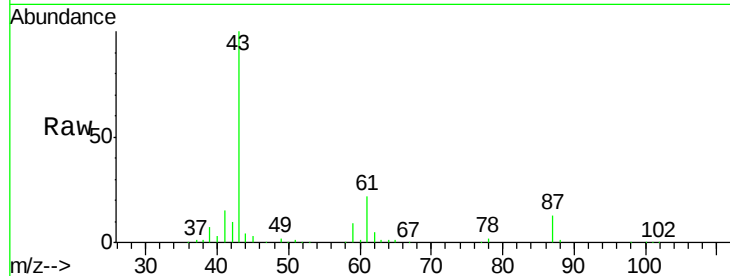
#43
Isopropyl Acetate
Concen: 19.071 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VN053934.D
Acq: 25 Feb 2019 17:22

Instrument :
MSVOA_N
ClientSampleId :
VN0225WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.5	17.4	26.0#
87	12.3	11.5	17.3

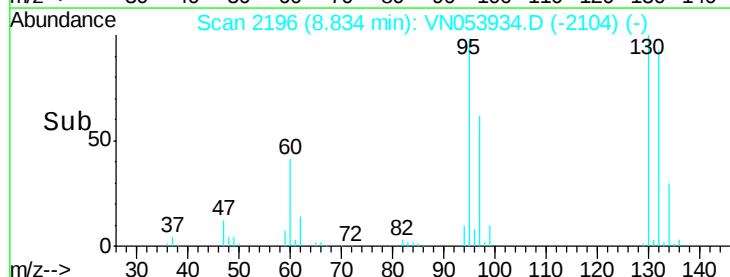
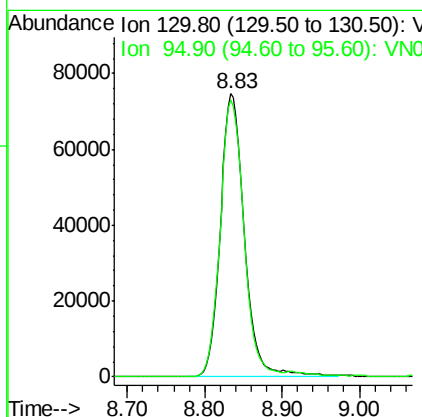
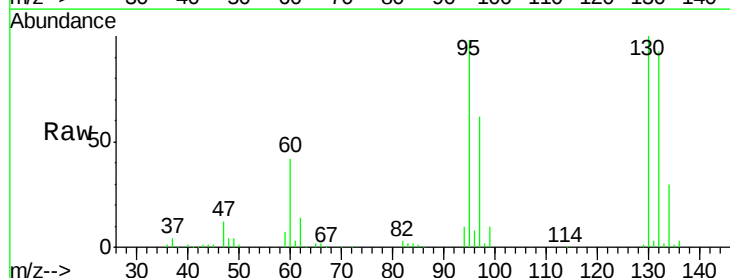
Manual Integrations
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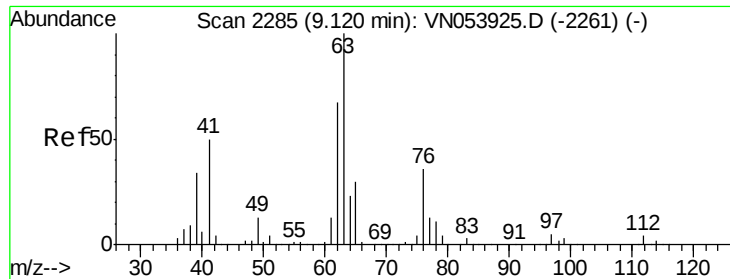
MMDadoda
2/28/2019 10:48:39 AM



#44
Trichloroethene
Concen: 20.120 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN053934.D
Acq: 25 Feb 2019 17:22

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.0	0.0	190.0





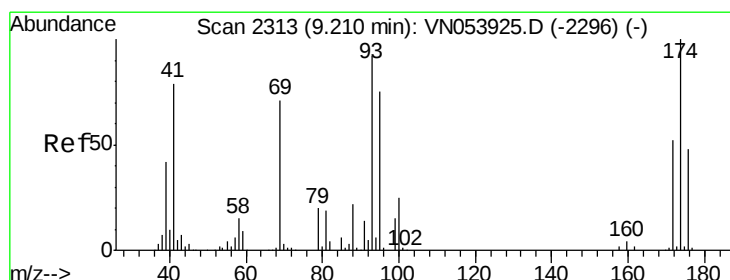
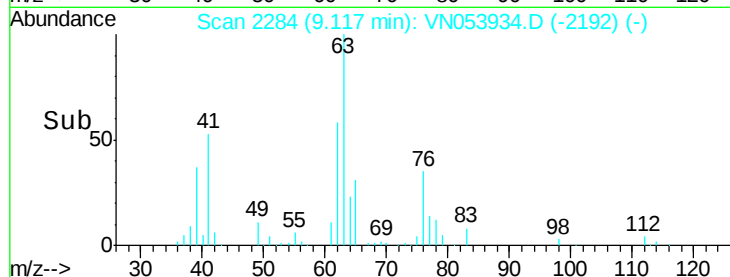
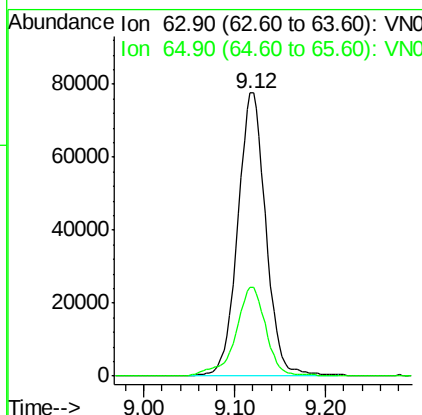
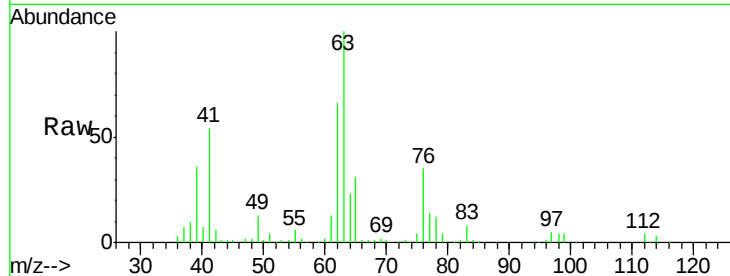
#45
 1,2-Dichloropropane
 Concen: 20.330 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN053934.D
 Acq: 25 Feb 2019 17:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0225WBSD01

Tot Ion: 63 Resp: 166845
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.3 36.5

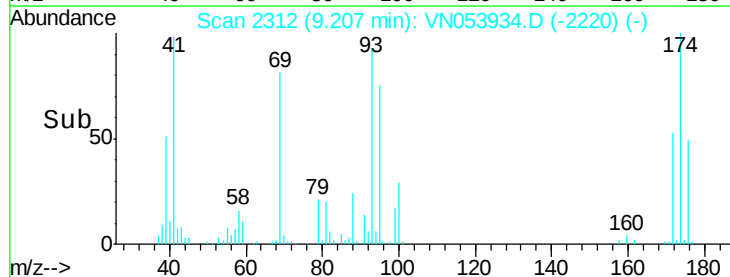
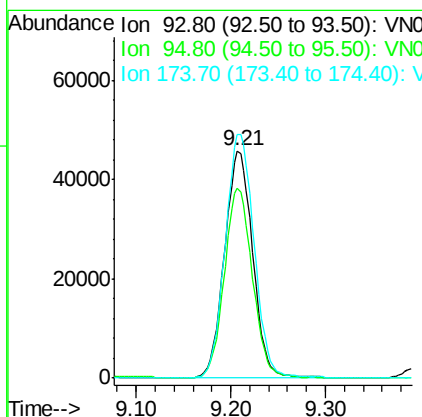
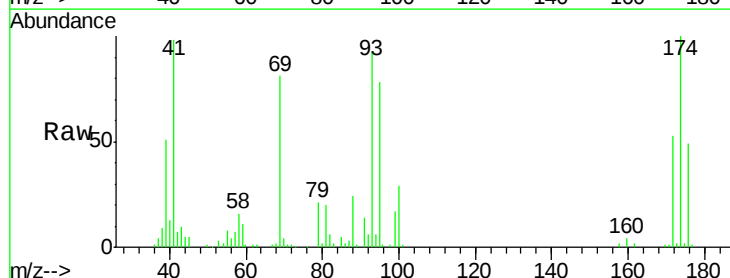
Manual Integrations
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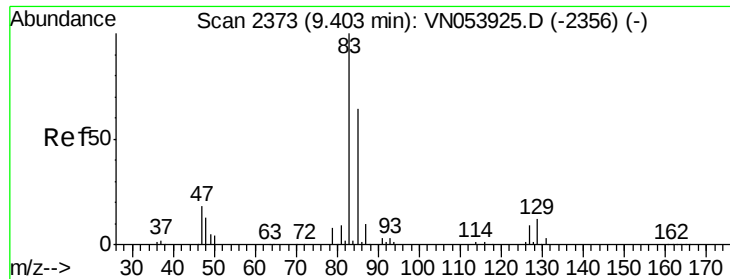
MMDadoda
 2/28/2019 10:48:39 AM



#46
 Dibromomethane
 Concen: 19.943 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN053934.D
 Acq: 25 Feb 2019 17:22

Tgt Ion: 93 Resp: 95018
 Ion Ratio Lower Upper
 93 100
 95 83.1 66.6 100.0
 174 110.0 96.2 144.4





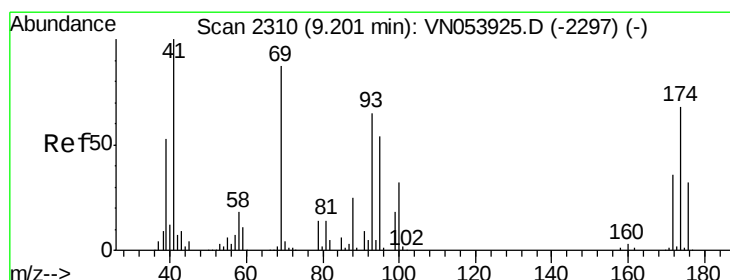
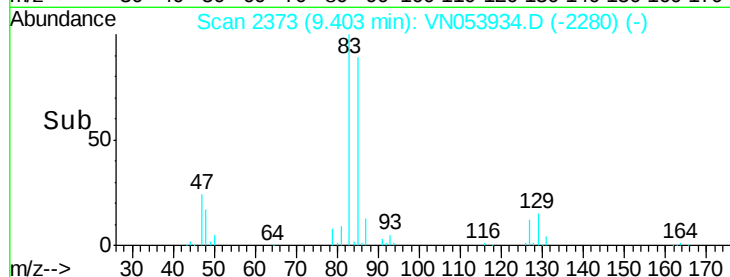
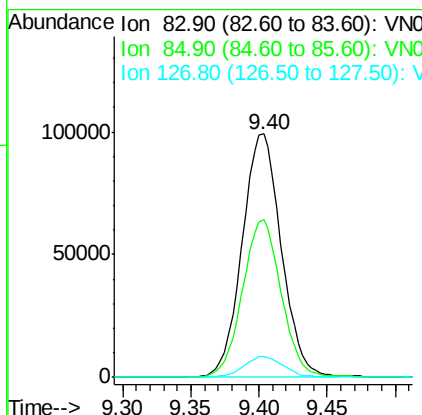
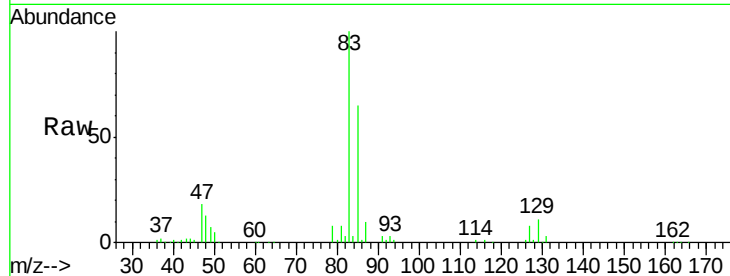
#47
Bromodichloromethane
Concen: 19.724 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053934.D
Acq: 25 Feb 2019 17:22

Instrument :
MSVOA_N
ClientSampled :
VN0225WBSD01

Tot Ion	83	Resp	198043
Ion Ratio	100	Lower	Upper
83	100		
85	64.8	51.8	77.6
127	8.5	7.4	11.0

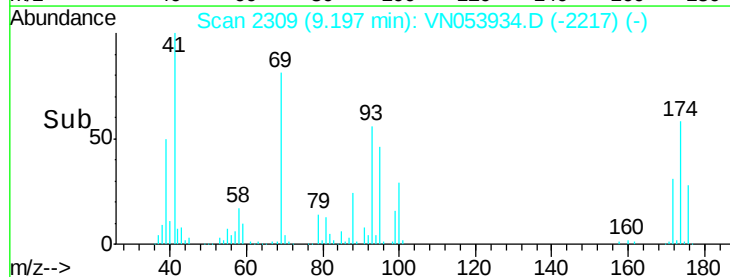
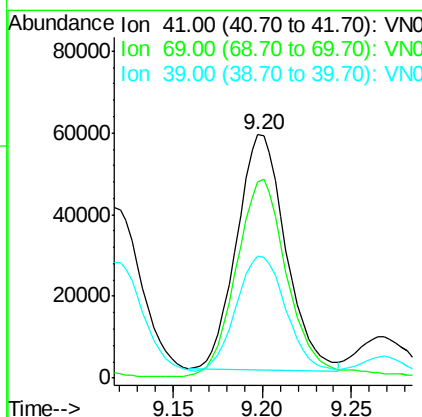
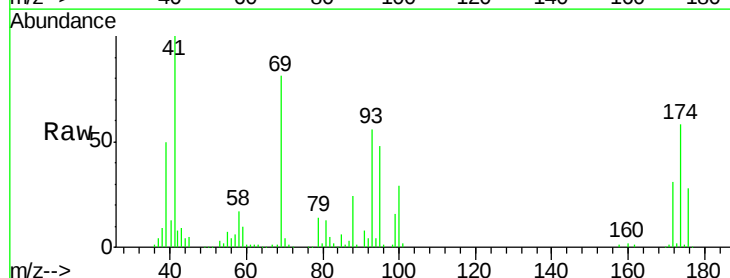
Manual Integrations
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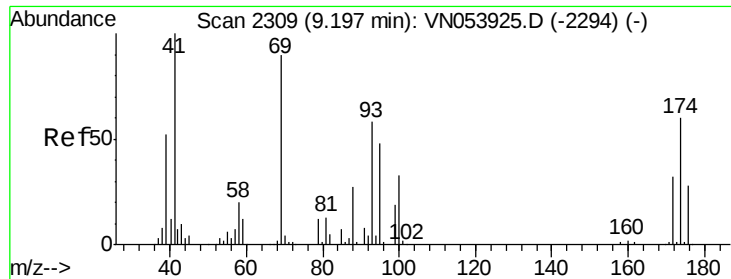
MMDadoda
2/28/2019 10:48:39 AM



#48
Methyl methacrylate
Concen: 20.134 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053934.D
Acq: 25 Feb 2019 17:22

Tgt Ion	41	Resp	110554
Ion Ratio	100	Lower	Upper
41	100		
69	87.3	74.8	112.2
39	55.0	39.0	58.6





#49

1,4-Dioxane

Concen: 408.984 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN053934.D

Acq: 25 Feb 2019 17:22

Instrument :

MSVOA_N

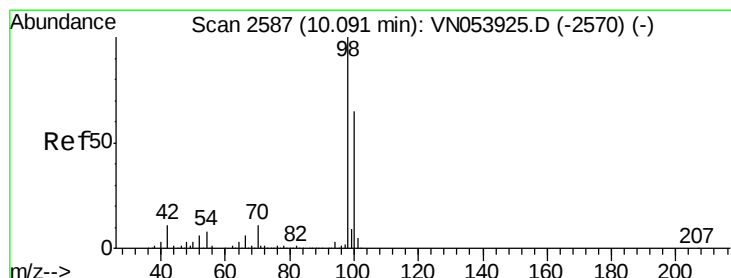
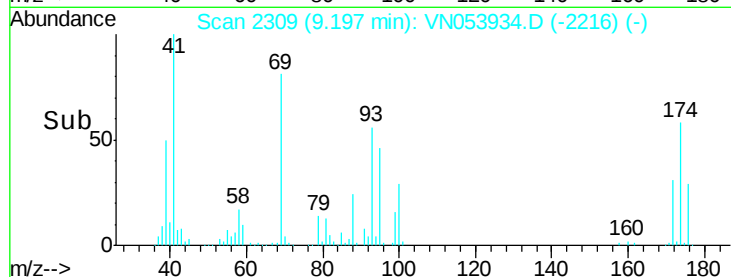
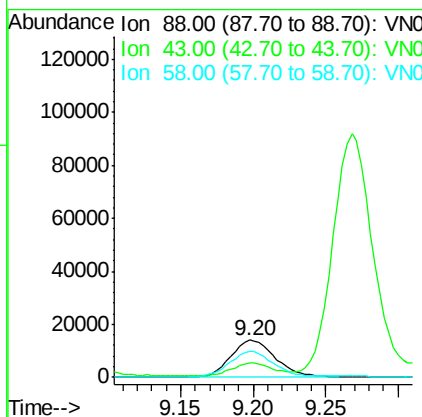
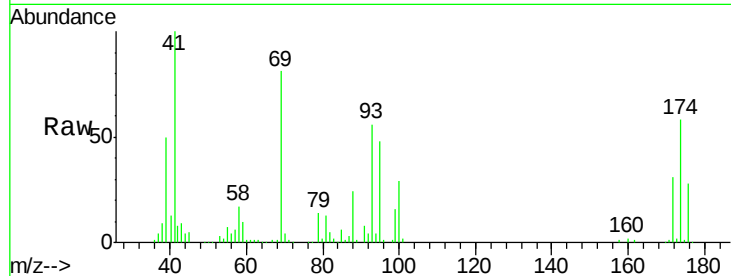
ClientSampleId :

VN0225WBSD01

Tot Ion:	88	Resp:	30416
Ion	Ratio	Lower	Upper
88	100		
43	29.9	21.2	31.8
58	69.0	54.2	81.2

Manual Integrations
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2/28/2019 10:48:39 AM



#50

Toluene-d8

Concen: 49.068 ug/l

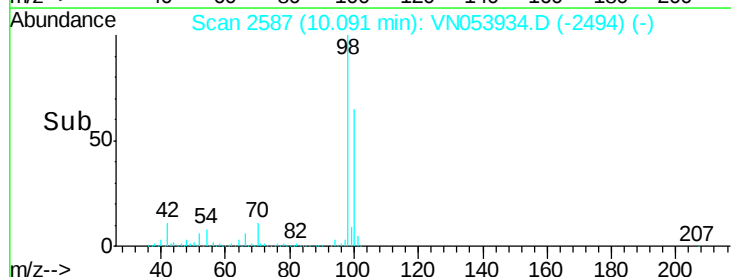
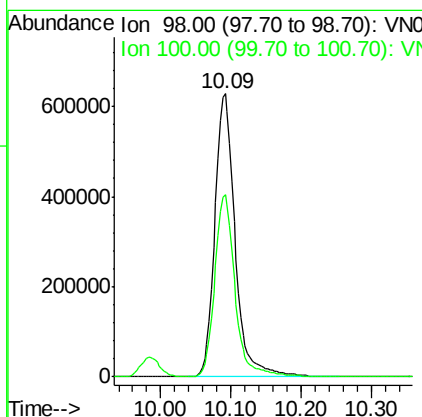
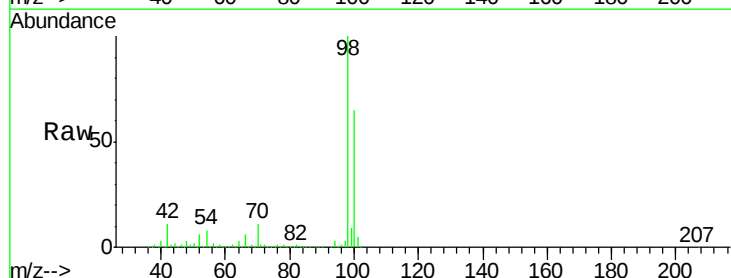
RT: 10.09 min Scan# 2587

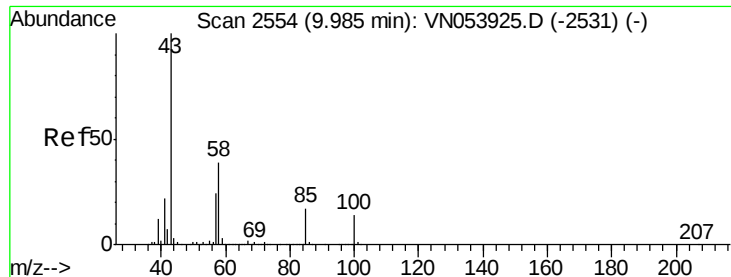
Delta R.T. -0.00 min

Lab File: VN053934.D

Acq: 25 Feb 2019 17:22

Tgt Ion:	98	Resp:	1257631
Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 101.853 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN053934.D

Acq: 25 Feb 2019 17:22

Instrument :

MSVOA_N

ClientSampled :

VN0225WBSD01

Tot Ion: 43 Resp: 624792

Ion Ratio Lower Upper

43 100

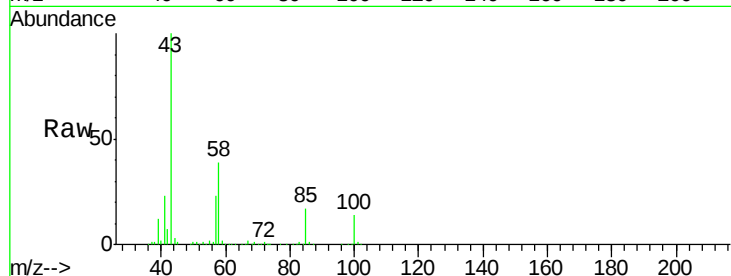
58 37.9 32.7 49.1

Manual Integrations

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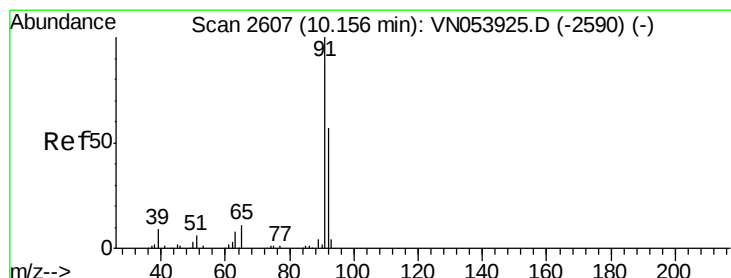
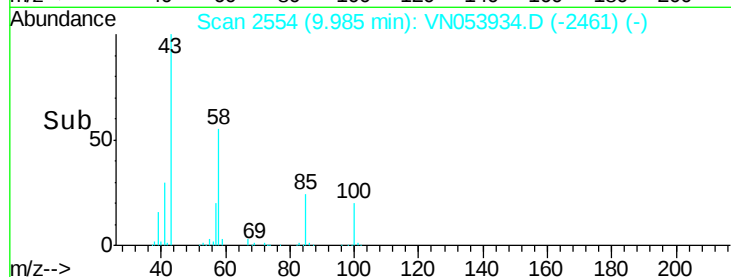
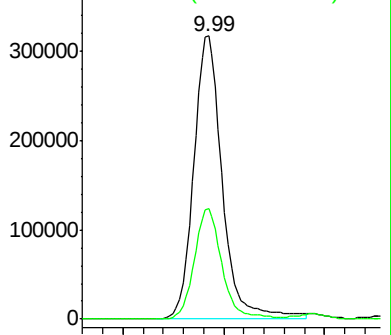
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.430 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053934.D

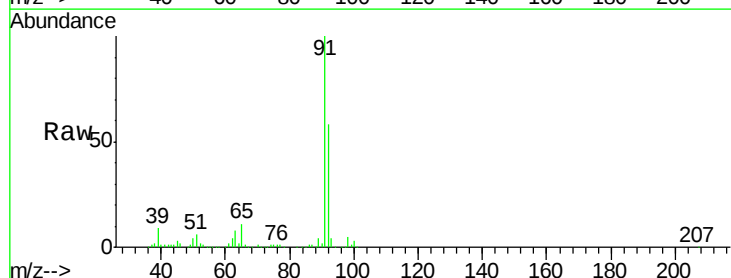
Acq: 25 Feb 2019 17:22

Tgt Ion: 92 Resp: 365932

Ion Ratio Lower Upper

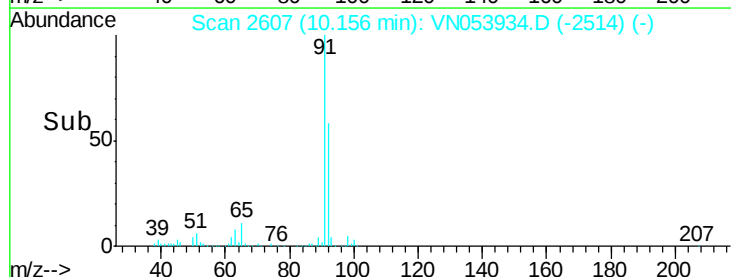
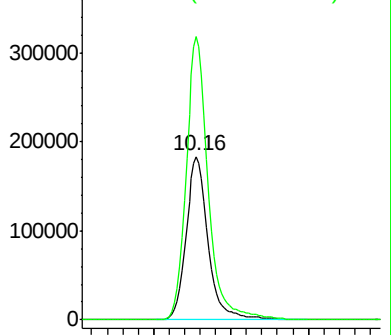
92 100

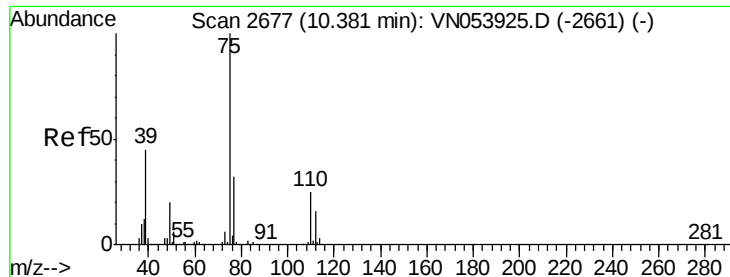
91 173.1 138.4 207.6



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: 19.822 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN053934.D

Acq: 25 Feb 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

VN0225WBSD01

Tot Ion: 75 Resp: 193649

Ion Ratio Lower Upper

75 100

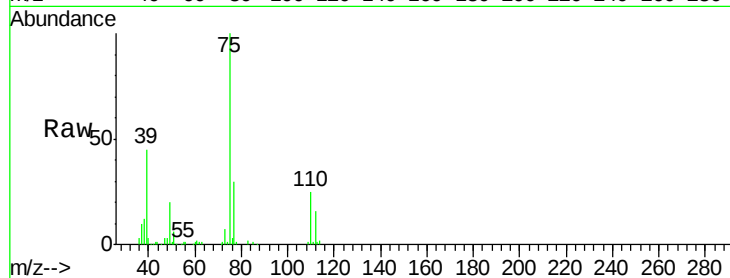
77 30.0 25.0 37.6

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

120000

100000

80000

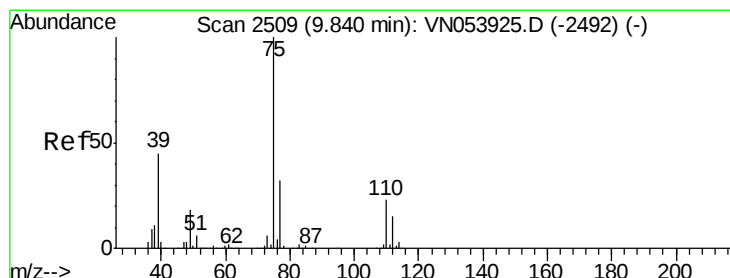
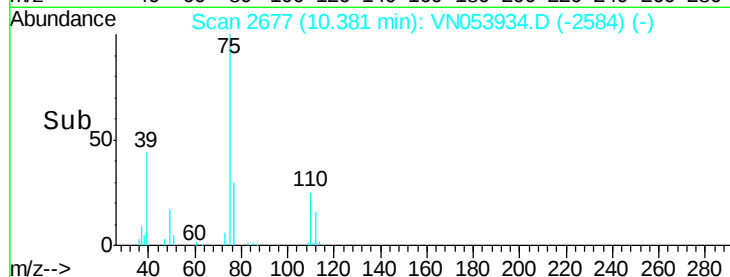
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.139 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN053934.D

Acq: 25 Feb 2019 17:22

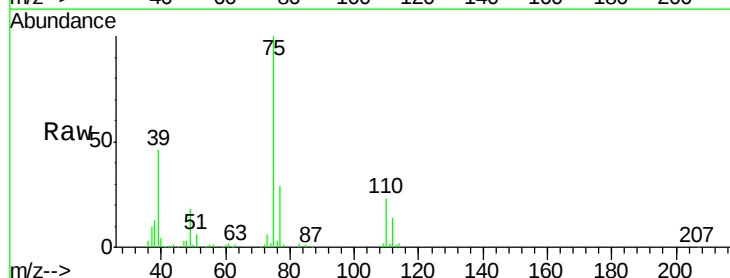
Tgt Ion: 75 Resp: 231943

Ion Ratio Lower Upper

75 100

77 29.3 25.8 38.6

39 46.4 31.4 47.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

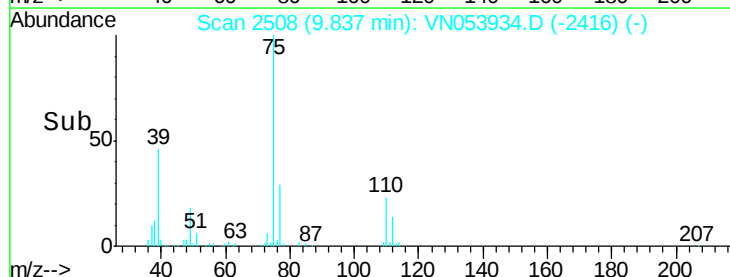
150000

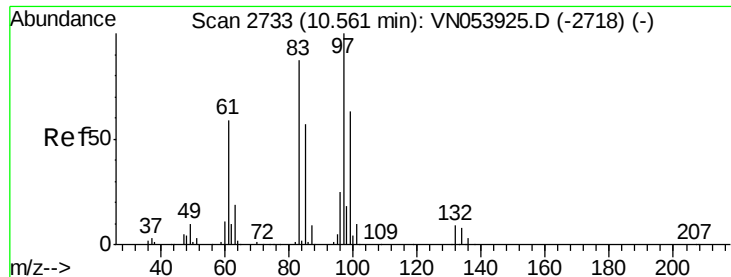
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 20.223 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN053934.D

Acq: 25 Feb 2019 17:22

Instrument :

MSVOA_N

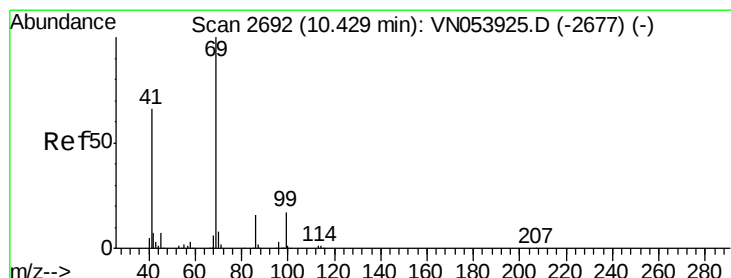
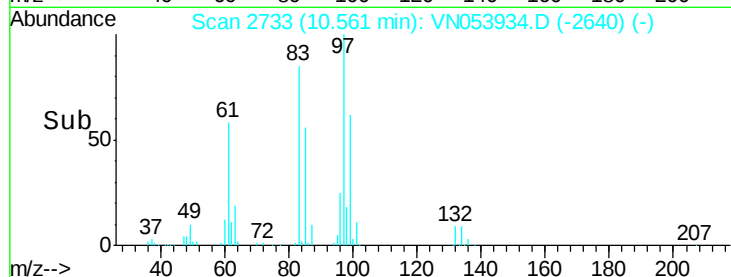
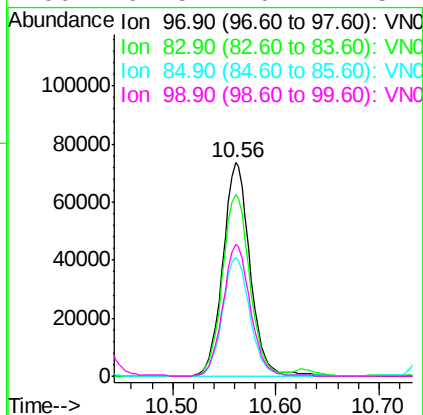
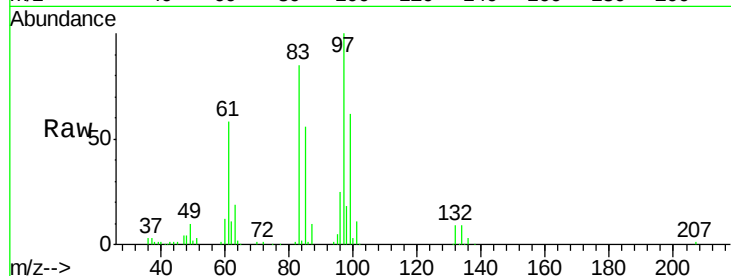
ClientSampleId :

VN0225WBSD01

Tot Ion:	97	Resp:	135277
Ion	Ratio	Lower	Upper
97	100		
83	85.0	69.5	104.3
85	55.6	45.9	68.9
99	61.5	49.1	73.7

Manual Integrations
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#56

Ethyl methacrylate

Concen: 19.463 ug/l

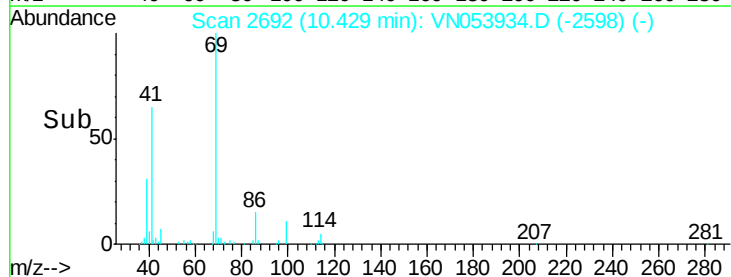
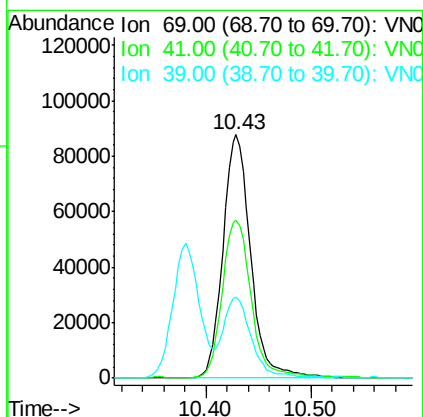
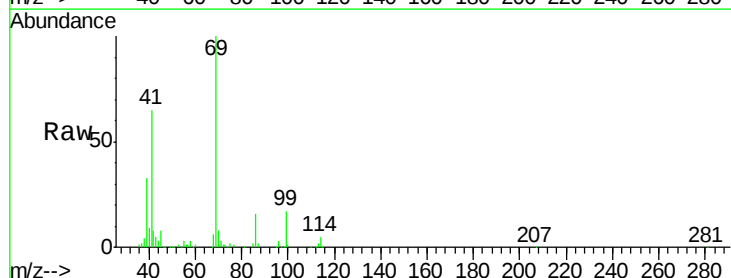
RT: 10.43 min Scan# 2692

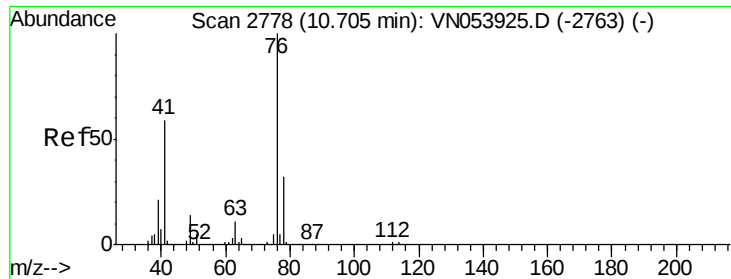
Delta R.T. 0.00 min

Lab File: VN053934.D

Acq: 25 Feb 2019 17:22

Tgt Ion:	69	Resp:	159808
Ion	Ratio	Lower	Upper
69	100		
41	66.6	47.5	71.3
39	34.1	23.4	35.0





#57

1,3-Dichloropropane

Concen: 20.335 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053934.D

Acq: 25 Feb 2019 17:22

Instrument :

MSVOA_N

ClientSampled :

VN0225WBSD01

Tot Ion: 76 Resp: 229832

Ion Ratio Lower Upper

76 100

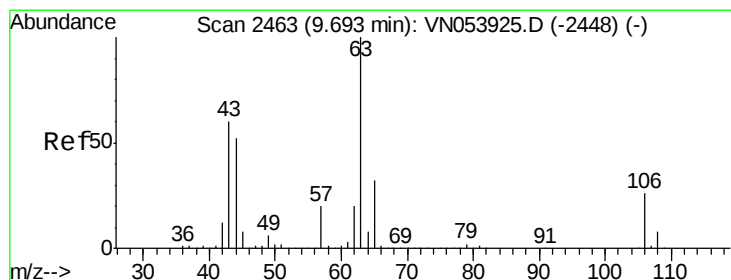
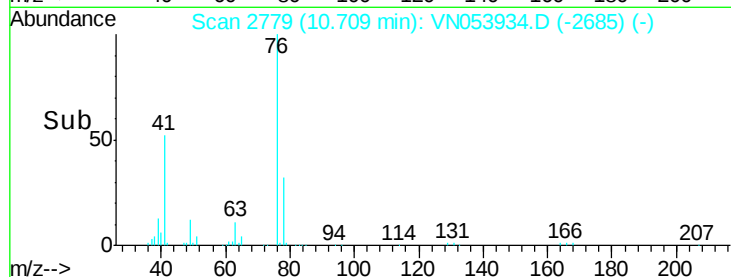
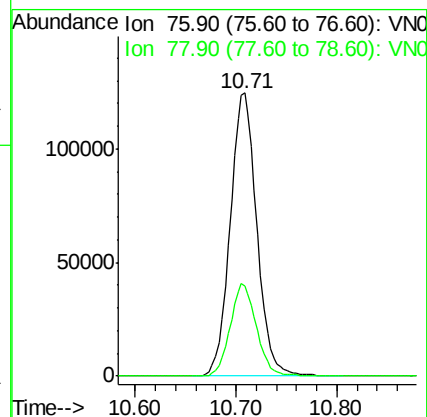
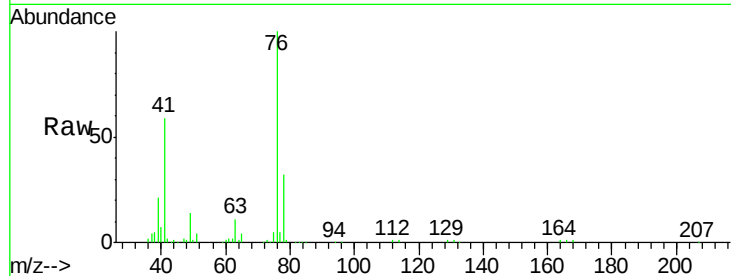
78 32.0 25.2 37.8

Manual Integrations

APPROVED

MMDadoda

2/28/2019 10:48:39 AM



#58

2-Chloroethyl Vinyl ether

Concen: 95.509 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053934.D

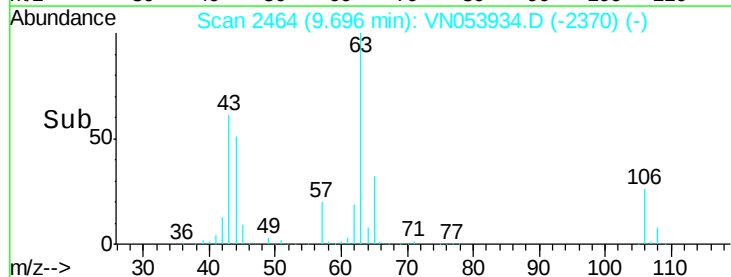
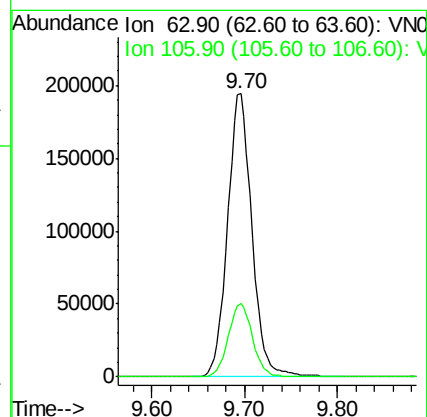
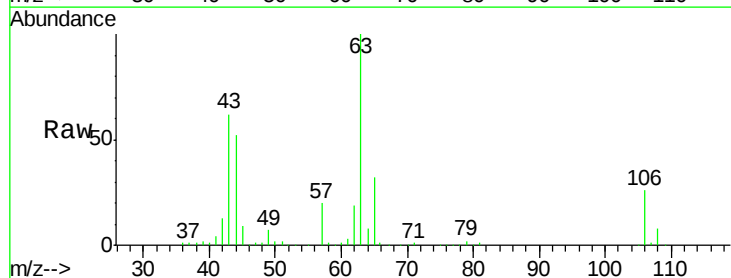
Acq: 25 Feb 2019 17:22

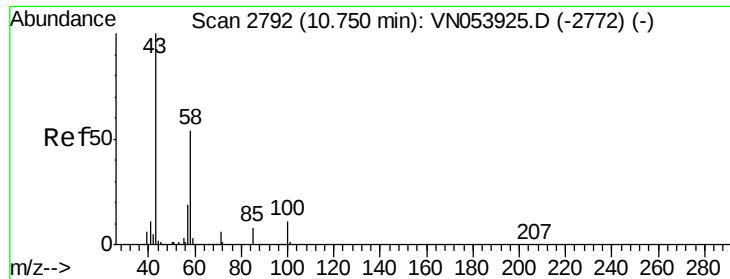
Tgt Ion: 63 Resp: 353661

Ion Ratio Lower Upper

63 100

106 25.8 22.2 33.2





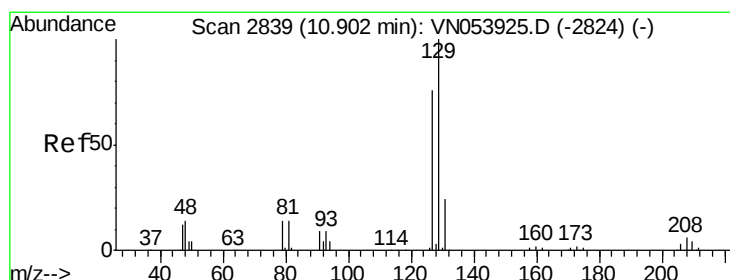
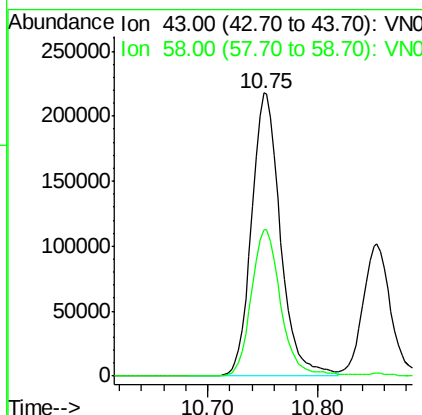
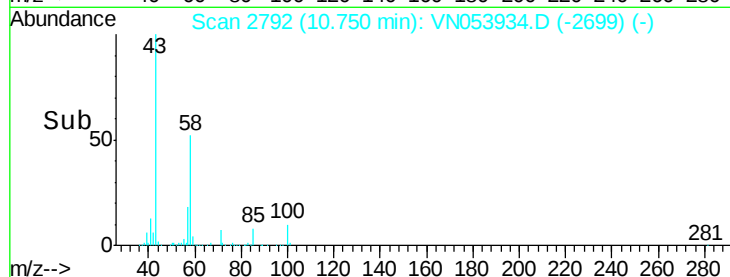
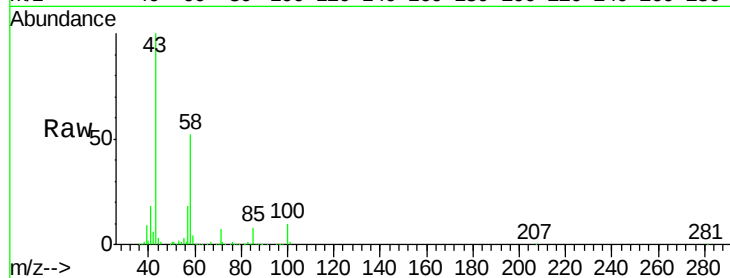
#59
2-Hexanone
Concen: 98.747 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053934.D
Acq: 25 Feb 2019 17:22

Instrument :
MSVOA_N
ClientSampleId :
VN0225WBSD01

Tot Ion: 43 Resp: 393959
Ion Ratio Lower Upper
43 100
58 52.9 29.1 87.4

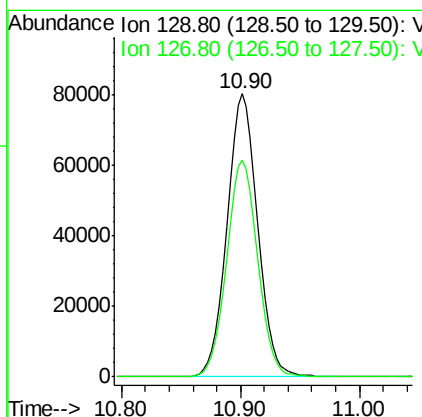
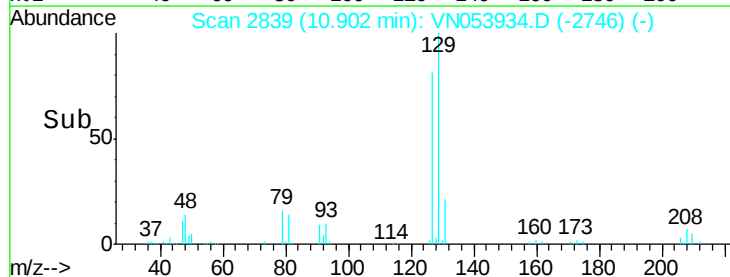
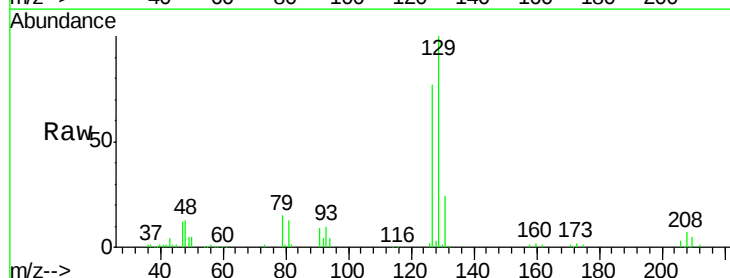
Manual Integrations
APPROVED

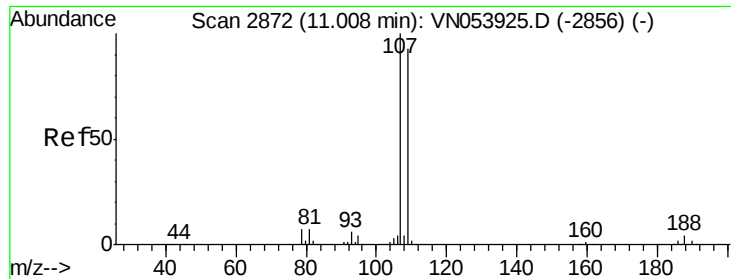
MMDadoda
2/28/2019 10:48:39 AM



#60
Dibromochloromethane
Concen: 19.222 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053934.D
Acq: 25 Feb 2019 17:22

Tgt Ion:129 Resp: 142895
Ion Ratio Lower Upper
129 100
127 77.6 38.8 116.3





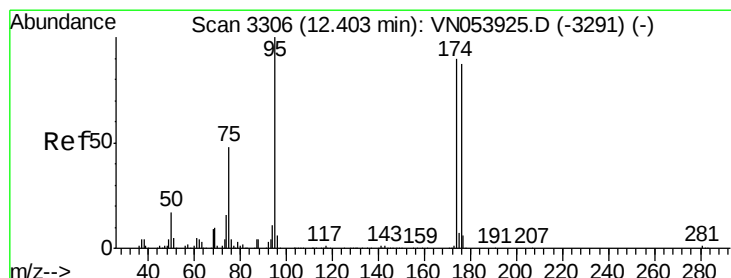
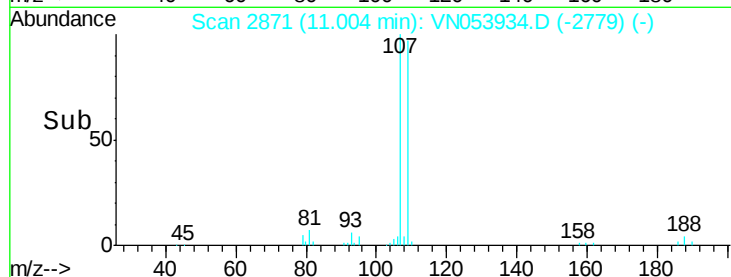
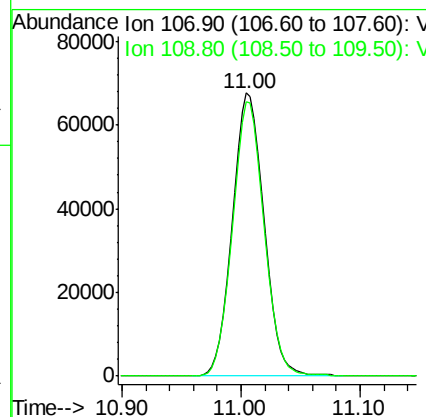
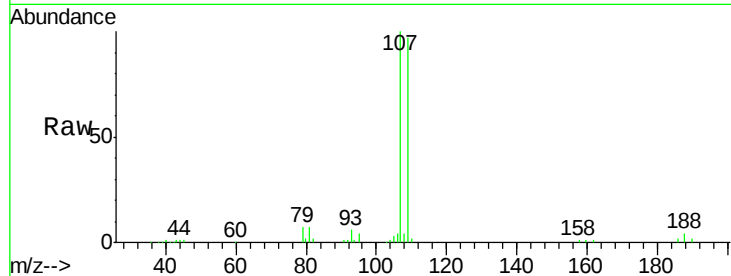
#61
 1,2-Dibromoethane
 Concen: 19.330 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN053934.D
 Acq: 25 Feb 2019 17:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0225WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
107	100	124732		
109	96.6	76.3	114.5	

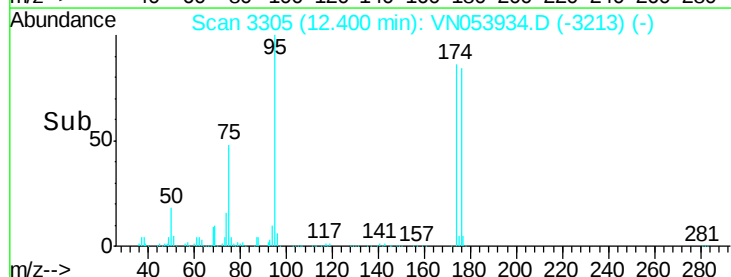
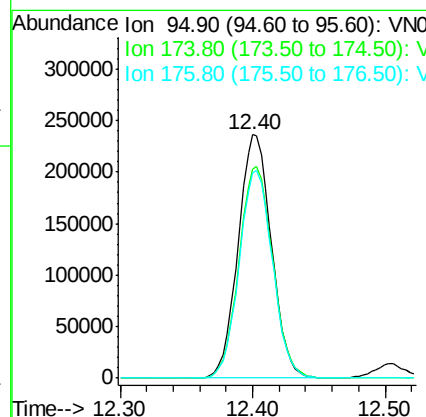
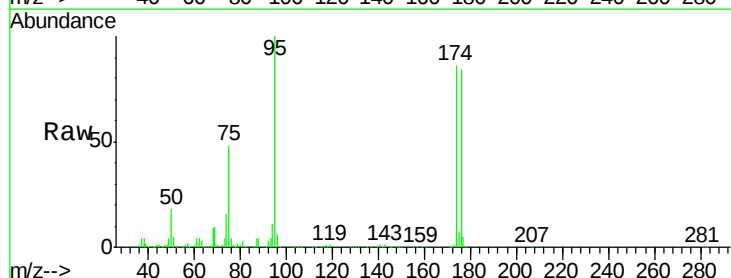
Manual Integrations
 APPROVED

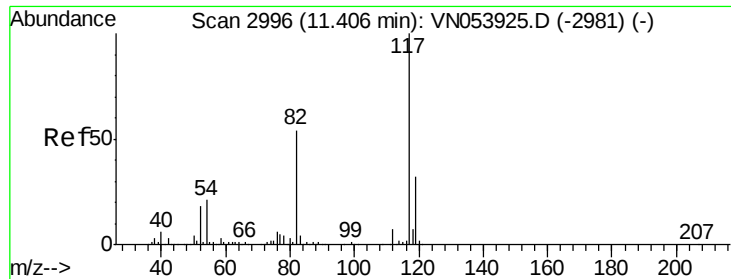
MMDadoda
 2/28/2019 10:48:39 AM



#62
 4-Bromofluorobenzene
 Concen: 48.081 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053934.D
 Acq: 25 Feb 2019 17:22

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	410579		
174	88.0	0.0	188.8	
176	85.6	0.0	182.6	





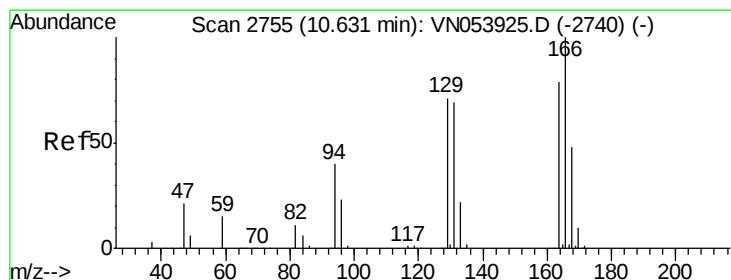
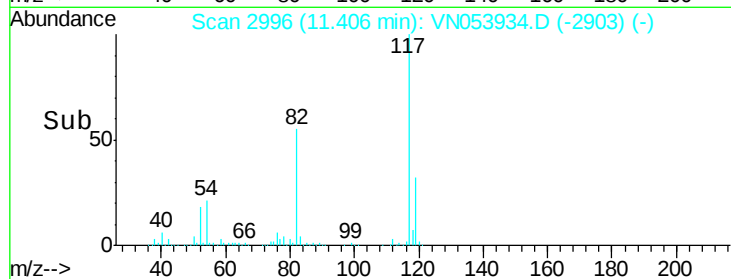
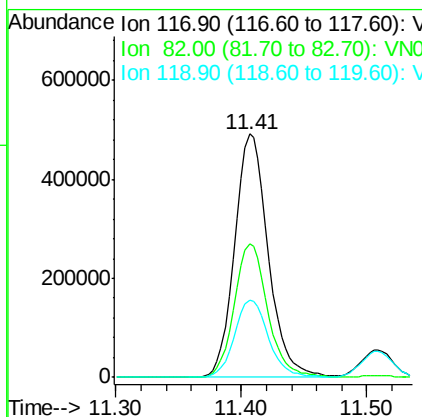
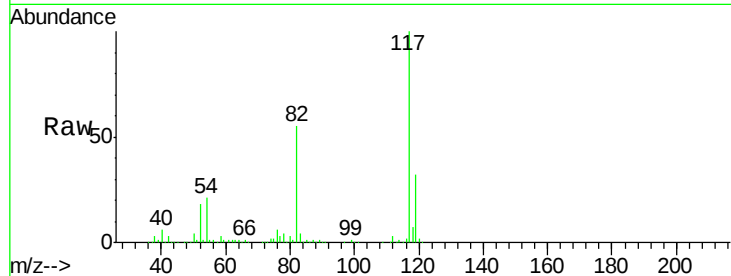
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053934.D
Acq: 25 Feb 2019 17:22

Instrument :
MSVOA_N
ClientSampleId :
VN0225WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	915901		
82	55.0		41.4	62.2
119	31.7		25.3	37.9

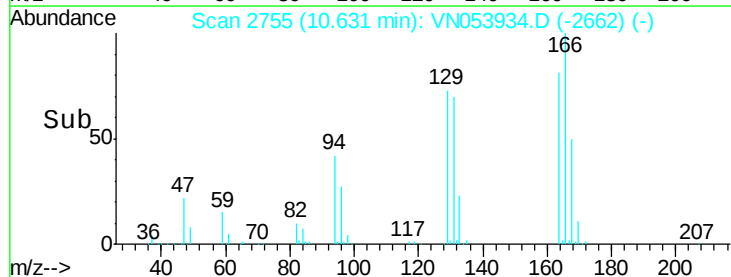
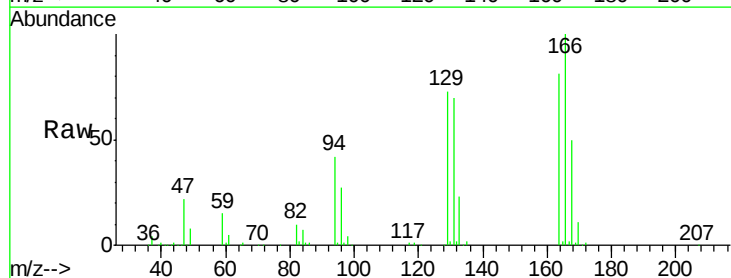
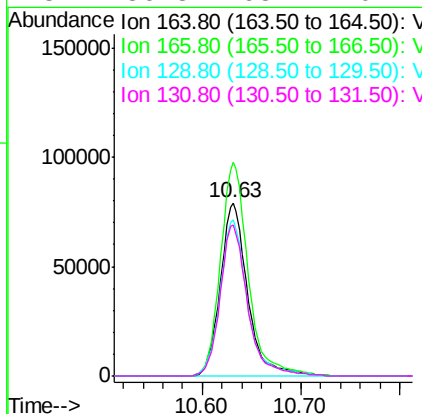
Manual Integrations
APPROVED

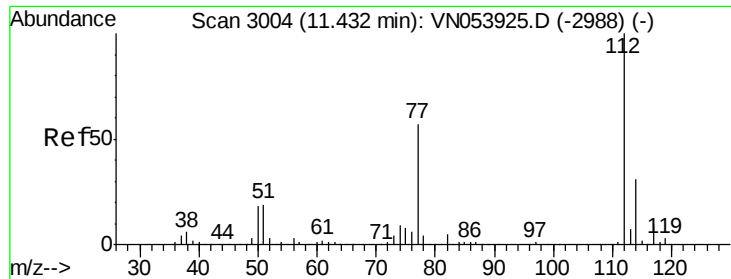
MMDadoda
2/28/2019 10:48:39 AM



#64
Tetrachloroethene
Concen: 19.814 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053934.D
Acq: 25 Feb 2019 17:22

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	153673		
166	123.2		102.6	153.8
129	89.8		69.4	104.0
131	86.8		68.1	102.1





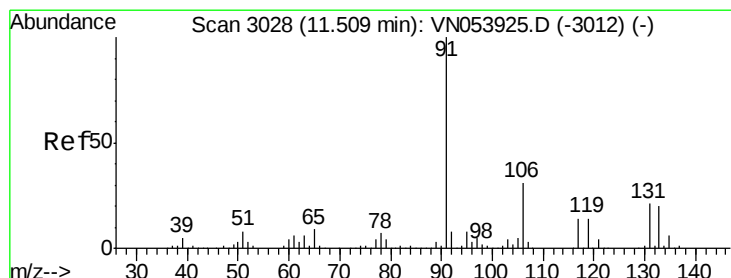
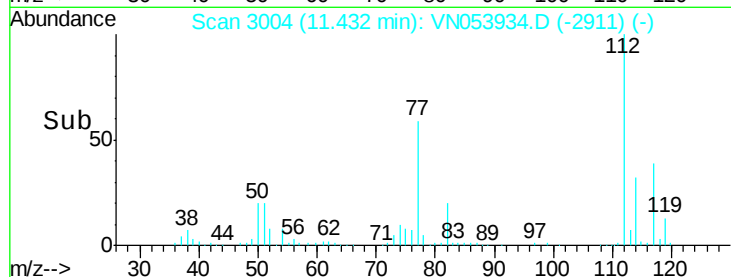
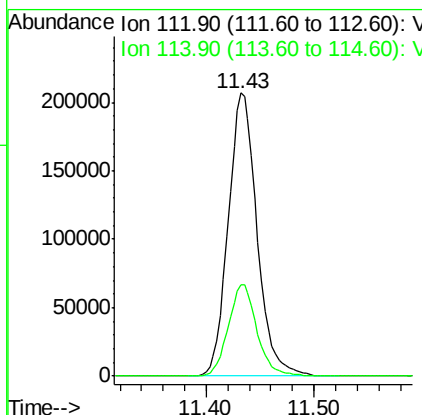
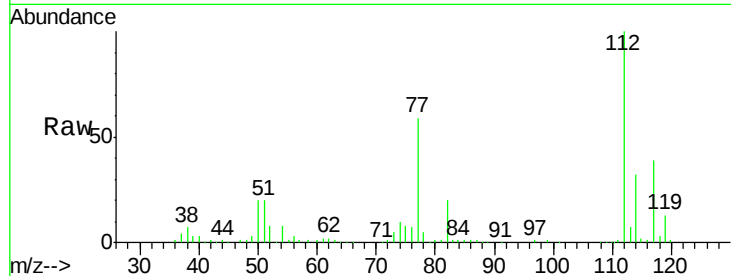
#65
Chlorobenzene
Concen: 19.915 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053934.D
Acq: 25 Feb 2019 17:22

Instrument :
MSVOA_N
ClientSampleId :
VN0225WBSD01

Tot Ion:112 Resp: 384951
Ion Ratio Lower Upper
112 100
114 32.3 25.7 38.5

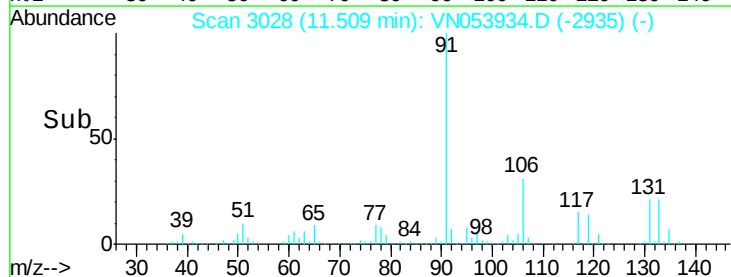
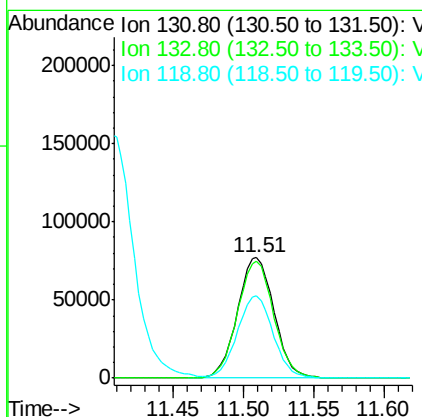
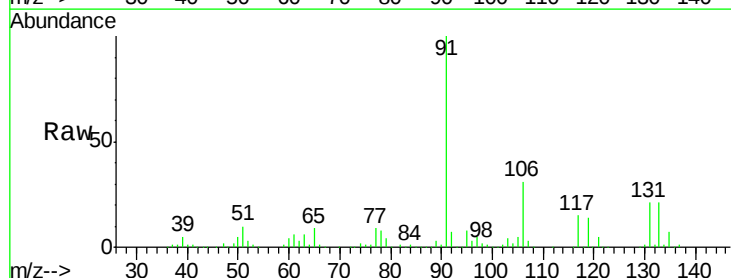
Manual Integrations
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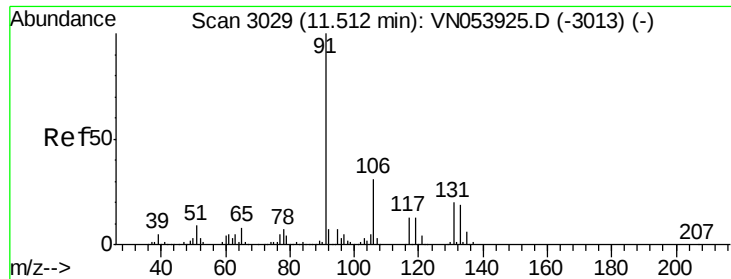
MMDadoda
2/28/2019 10:48:39 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.189 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053934.D
Acq: 25 Feb 2019 17:22

Tgt Ion:131 Resp: 140644
Ion Ratio Lower Upper
131 100
133 96.0 47.7 143.1
119 66.9 33.1 99.3





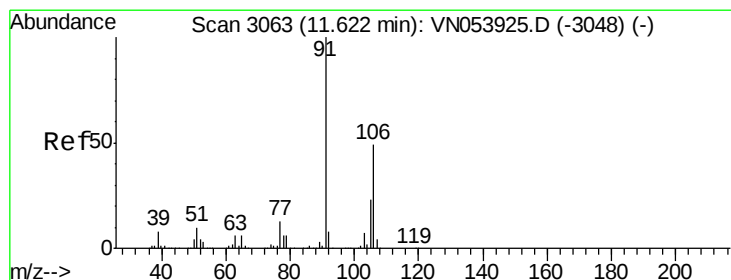
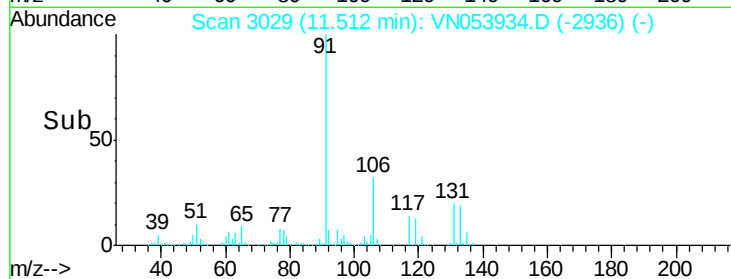
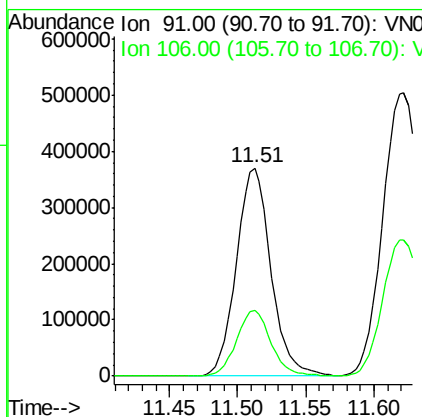
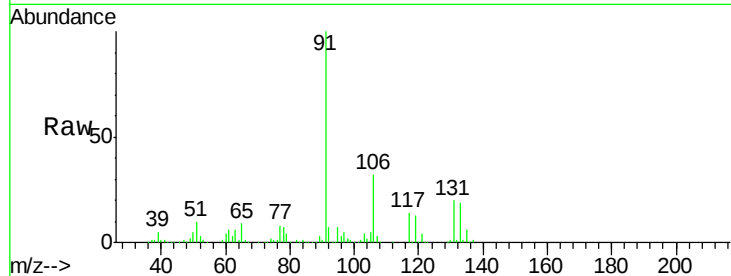
#67
Ethyl Benzene
Concen: 20.139 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN053934.D
Acq: 25 Feb 2019 17:22

Instrument :
MSVOA_N
ClientSampleId :
VN0225WBSD01

Tot Ion: 91 Resp: 652614
Ion Ratio Lower Upper
91 100
106 31.6 25.2 37.8

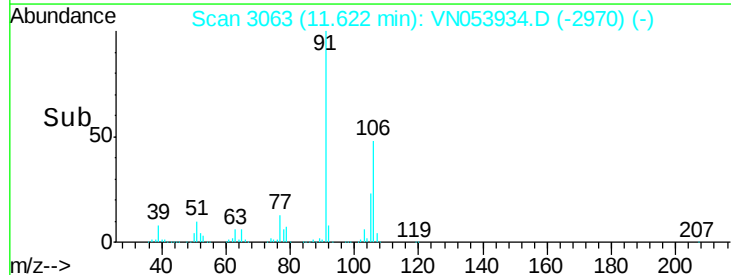
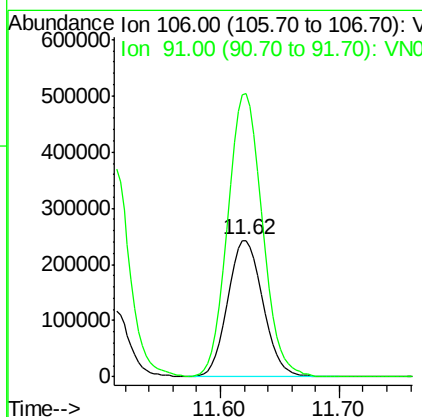
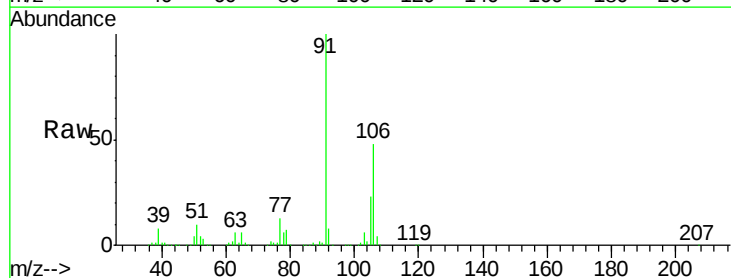
Manual Integrations
APPROVED

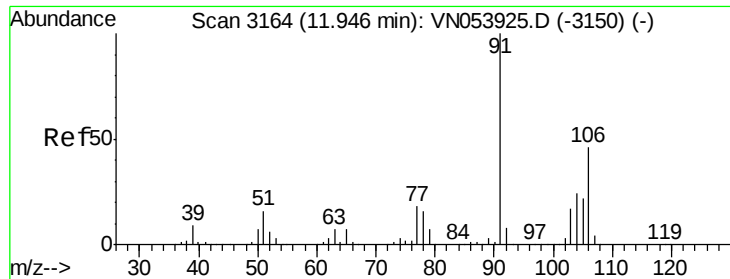
MMDadoda
2/28/2019 10:48:39 AM



#68
m/p-Xylenes
Concen: 40.719 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN053934.D
Acq: 25 Feb 2019 17:22

Tgt Ion: 106 Resp: 498006
Ion Ratio Lower Upper
106 100
91 204.5 158.9 238.3





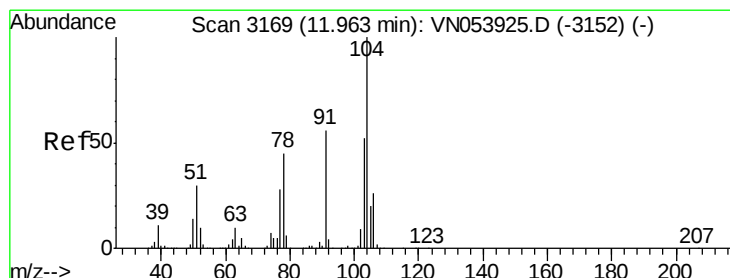
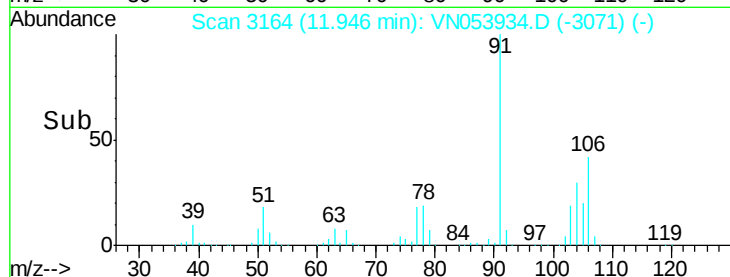
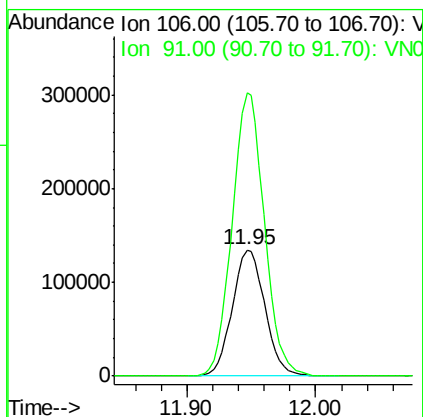
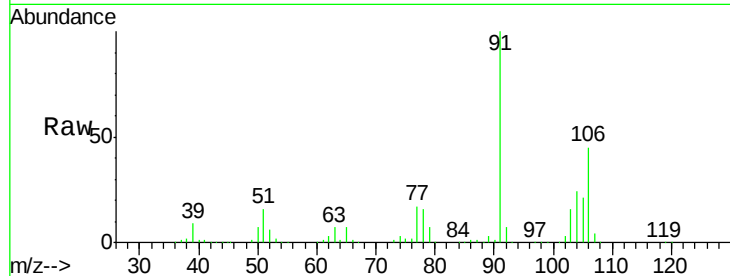
#69
o-Xylene
Concen: 19.668 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053934.D
Acq: 25 Feb 2019 17:22

Instrument :
MSVOA_N
ClientSampleId :
VN0225WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	221.5	106.0	318.0	

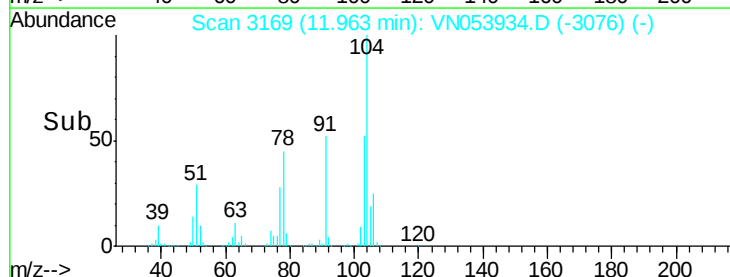
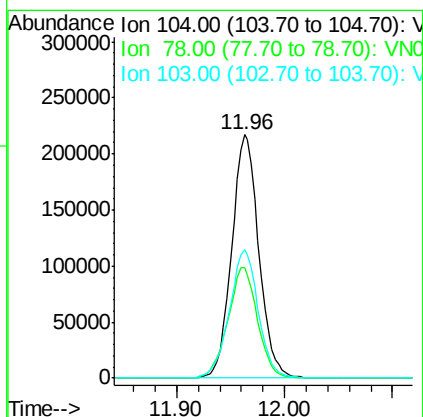
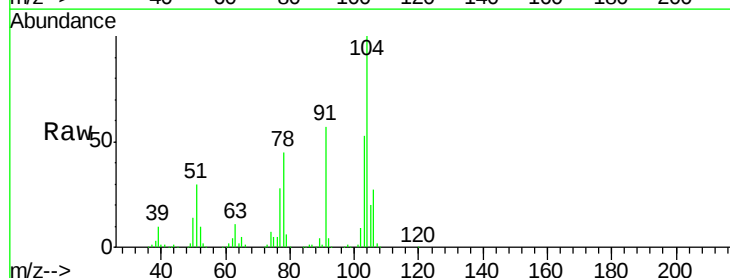
Manual Integrations
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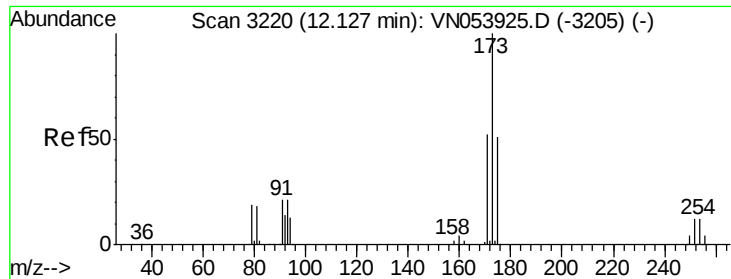
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#70
Styrene
Concen: 20.549 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053934.D
Acq: 25 Feb 2019 17:22

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	49.7	38.1	57.1	
103	56.3	44.6	67.0	





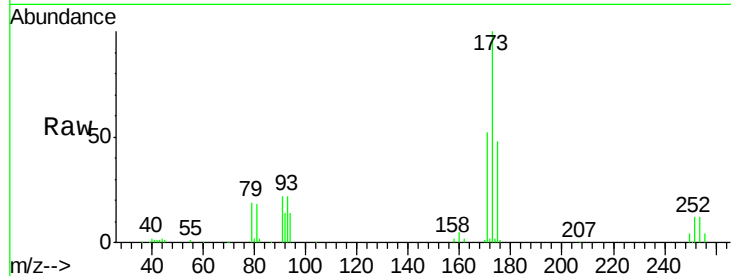
#71
Bromoform
Concen: 19.630 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN053934.D
Acq: 25 Feb 2019 17:22

Instrument :
MSVOA_N
ClientSampled :
VN0225WBSD01

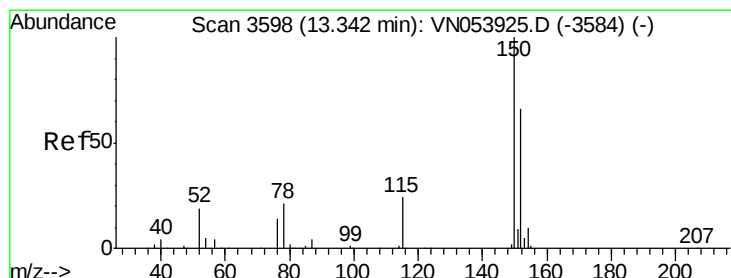
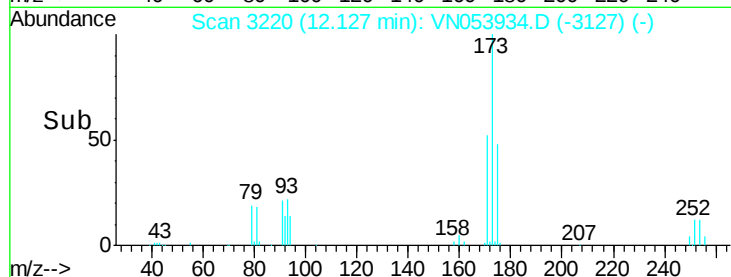
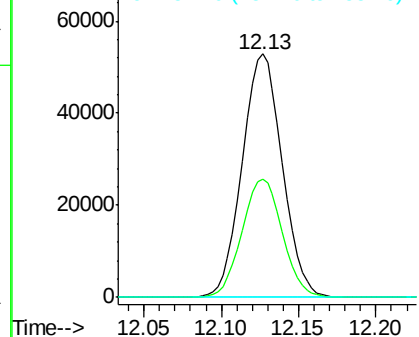
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.3	72.8
254	0.0	0.2	0.2

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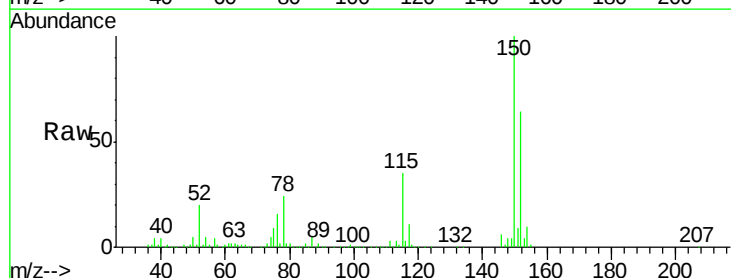


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

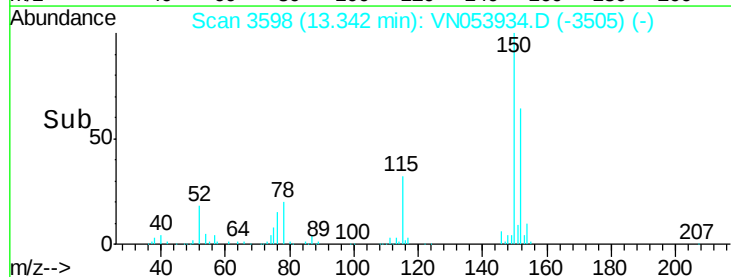
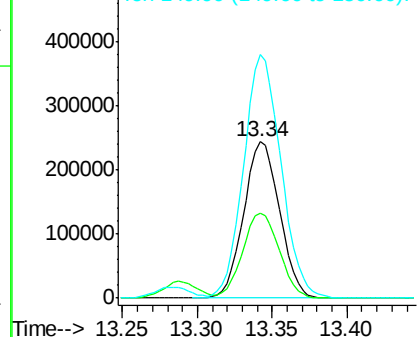


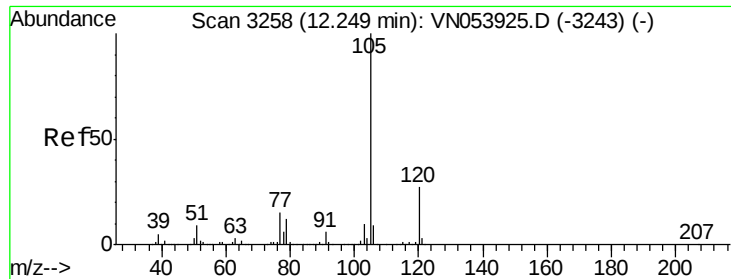
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN053934.D
Acq: 25 Feb 2019 17:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.9	27.2	81.6
150	162.4	0.0	348.2



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





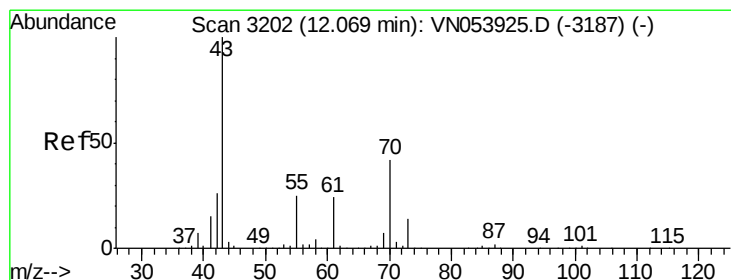
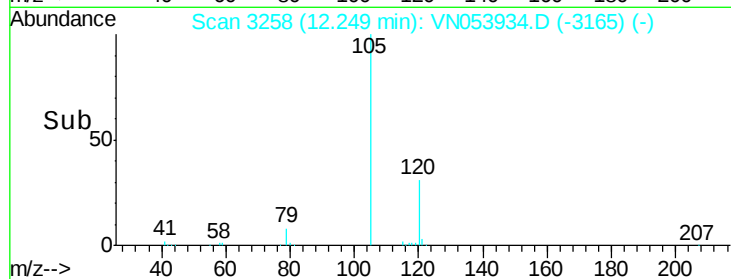
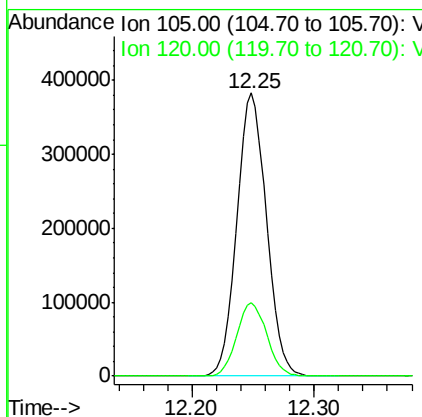
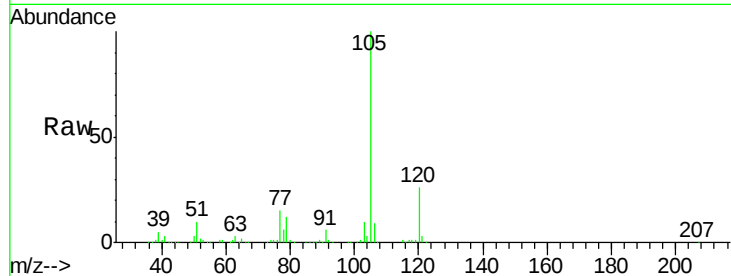
#73
Isopropylbenzene
Concen: 20.227 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN053934.D
Acq: 25 Feb 2019 17:22

Instrument :
MSVOA_N
ClientSampleId :
VN0225WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.5	40.5

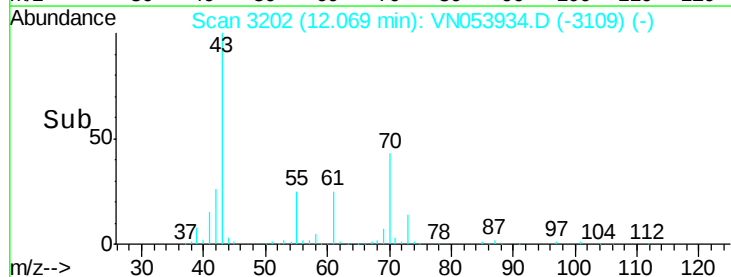
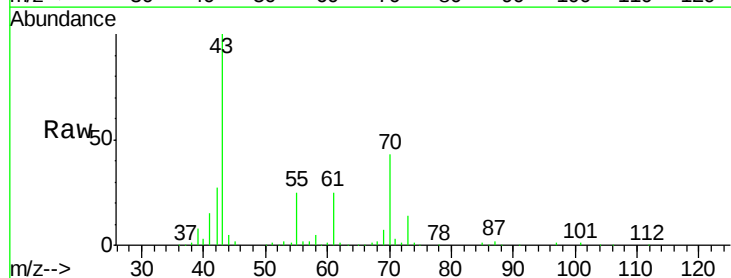
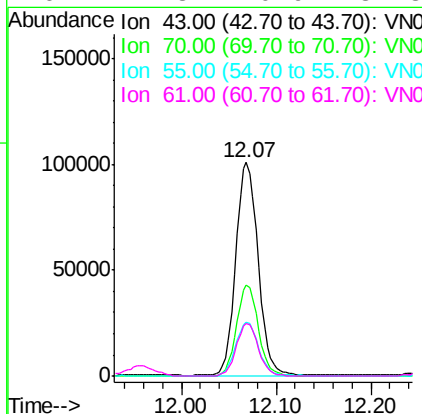
Manual Integrations
APPROVED

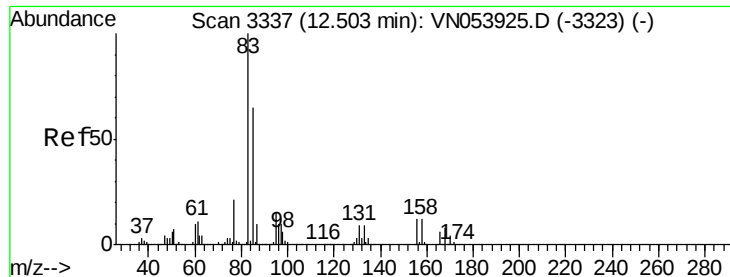
MMDadoda
2/28/2019 10:48:39 AM



#74
N-ethyl acetate
Concen: 19.964 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN053934.D
Acq: 25 Feb 2019 17:22

Tgt Ion	Ratio	Lower	Upper
43	100		
70	41.9	37.4	56.2
55	26.0	21.4	32.0
61	24.3	20.9	31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 19.925 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053934.D

Acq: 25 Feb 2019 17:22

Instrument :

MSVOA_N

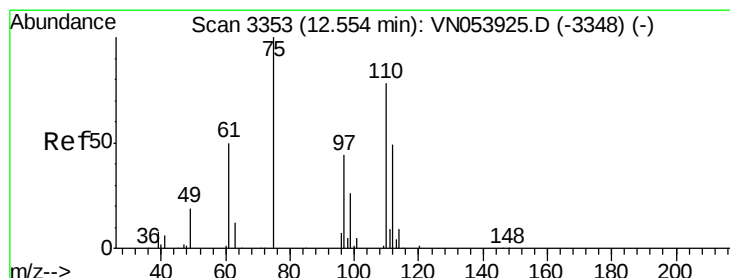
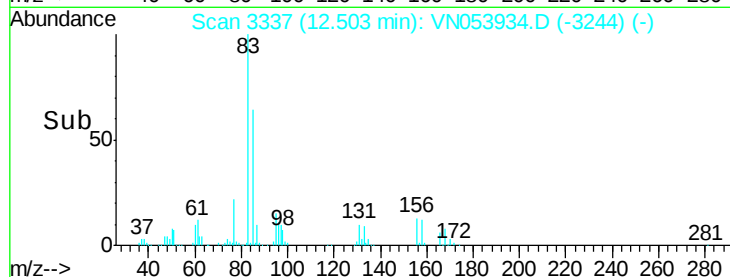
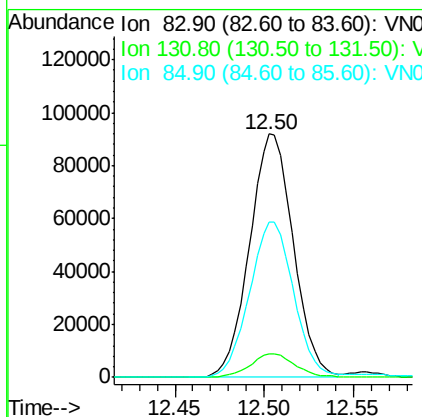
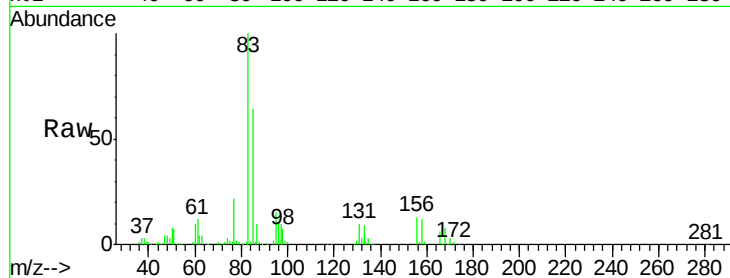
ClientSampleId :

VN0225WBSD01

Tot Ion:	83	Resp:	157556
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.3	16.1
85	64.3	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.378 ug/l m

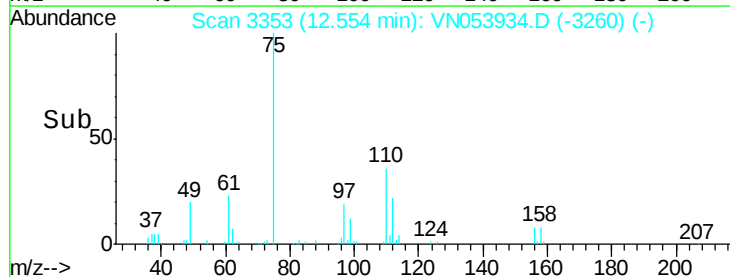
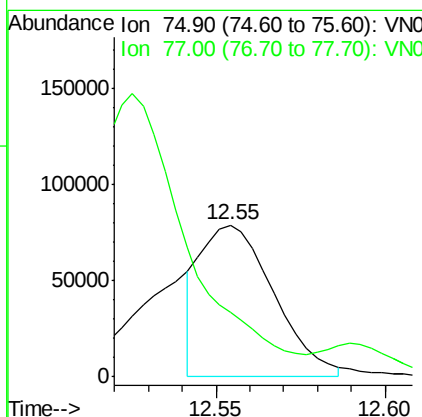
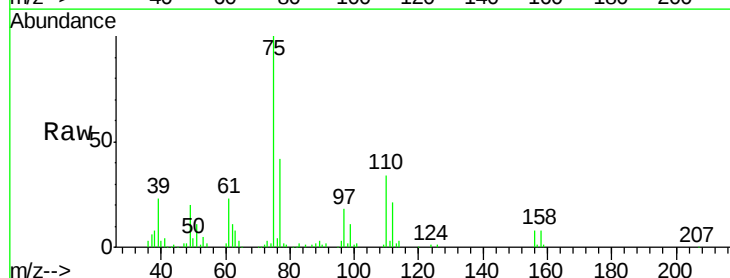
RT: 12.55 min Scan# 3353

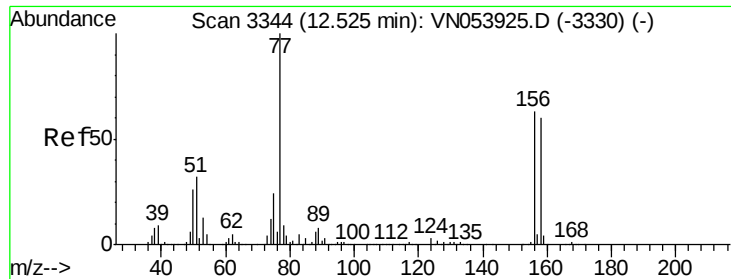
Delta R.T. 0.00 min

Lab File: VN053934.D

Acq: 25 Feb 2019 17:22

Tgt Ion:	75	Resp:	119762
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.104 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053934.D

Acq: 25 Feb 2019 17:22

Instrument :

MSVOA_N

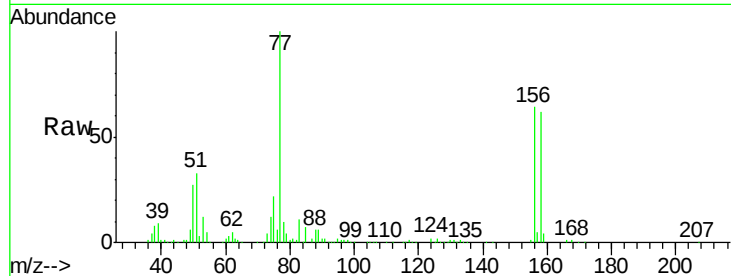
ClientSampleId :

VN0225WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	185.0	84.0	252.2
158	97.2	48.5	145.6

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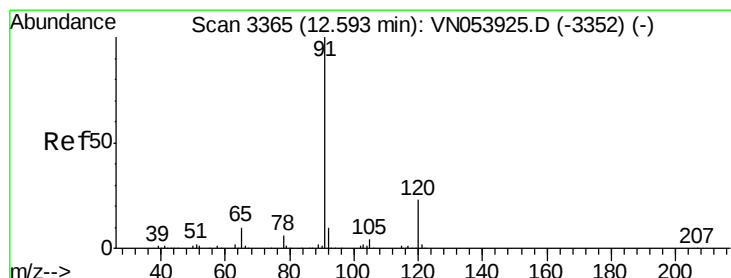
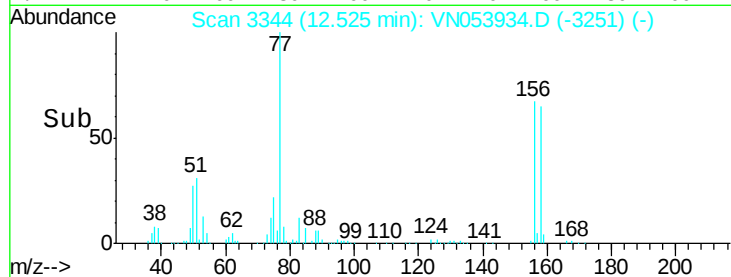
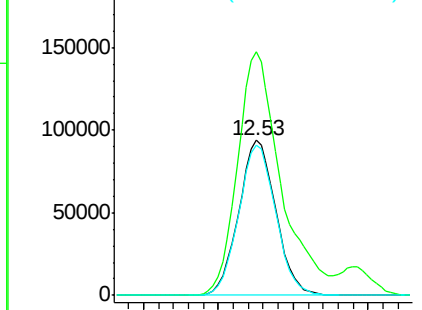
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.182 ug/l

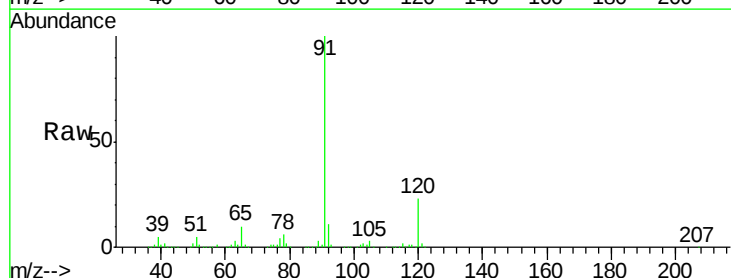
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN053934.D

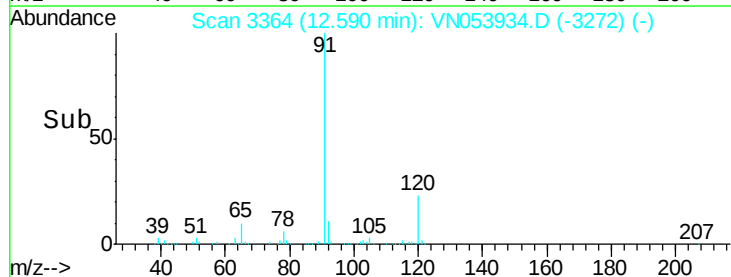
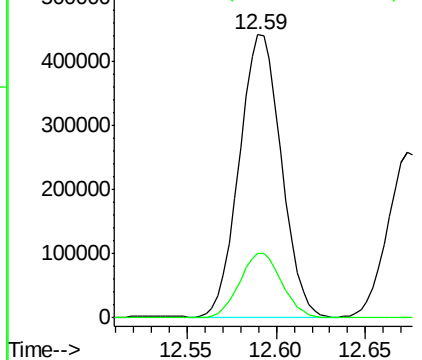
Acq: 25 Feb 2019 17:22

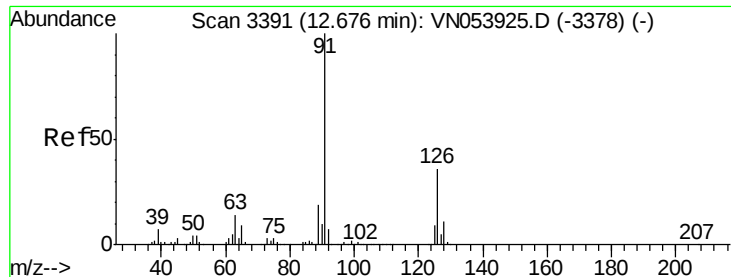
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.9	35.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.198 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053934.D

Acq: 25 Feb 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

VN0225WBSD01

Tot Ion: 91 Resp: 436349

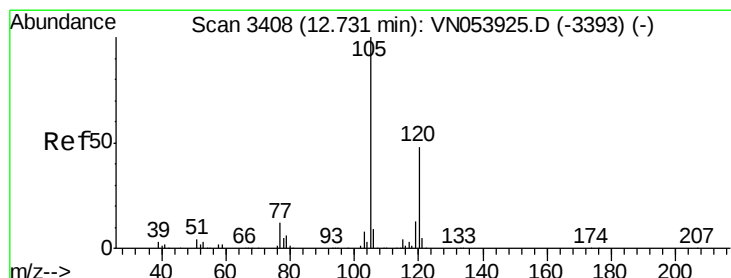
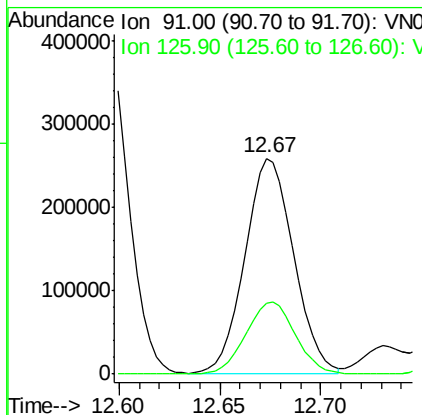
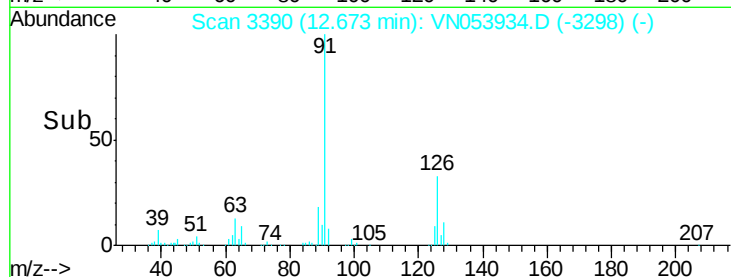
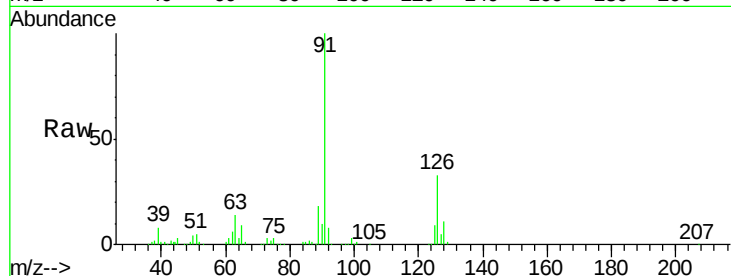
Ion Ratio Lower Upper

91 100

126 34.2 18.1 54.4

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#80

1,3,5-Trimethylbenzene

Concen: 20.568 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN053934.D

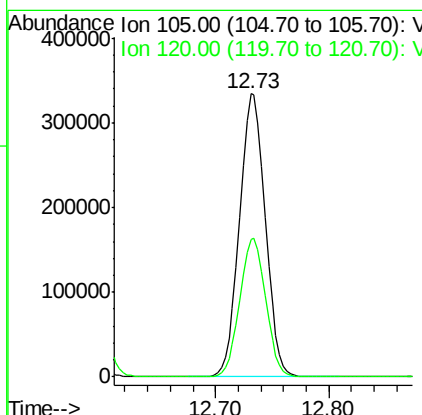
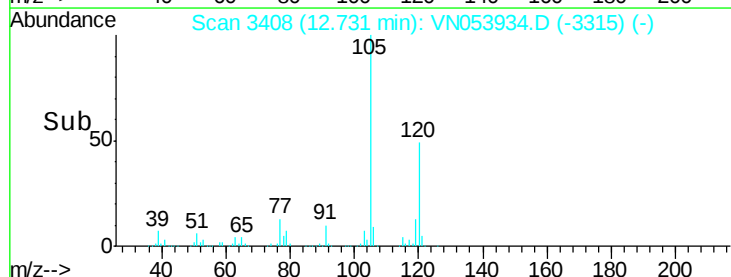
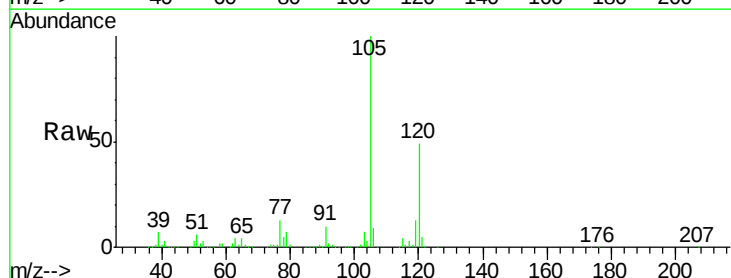
Acq: 25 Feb 2019 17:22

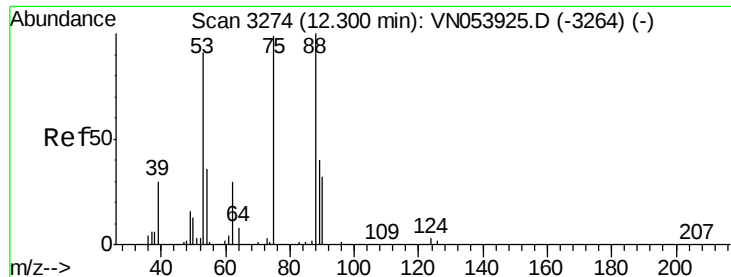
Tgt Ion: 105 Resp: 532460

Ion Ratio Lower Upper

105 100

120 49.2 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 18.750 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053934.D

Acq: 25 Feb 2019 17:22

Instrument :

MSVOA_N

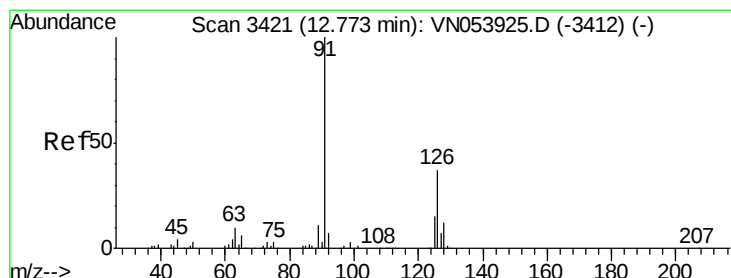
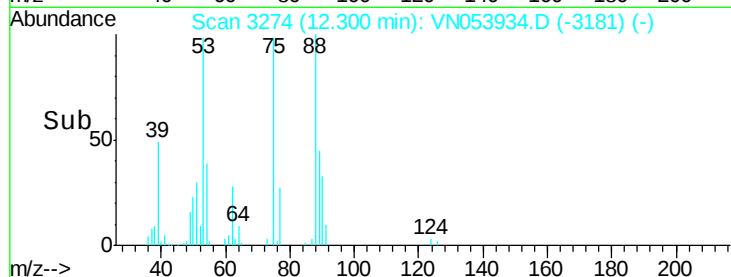
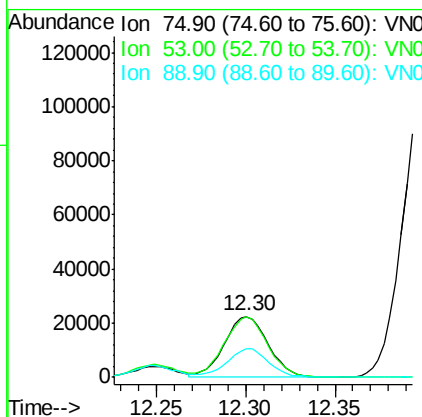
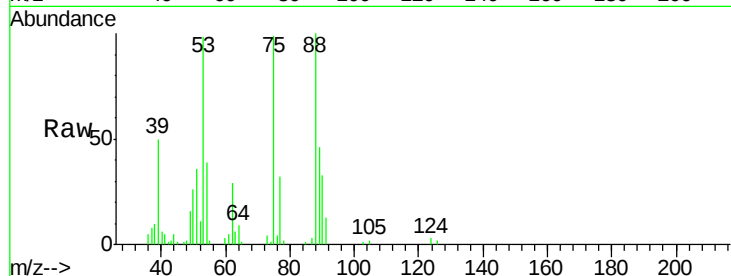
ClientSampleId :

VN0225WBSD01

Tot Ion:	75	Resp:	38659
Ion Ratio	Lower	Upper	
75	100		
53	98.0	68.6	102.8
89	44.8	35.3	52.9

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#82

4-Chlorotoluene

Concen: 20.123 ug/l

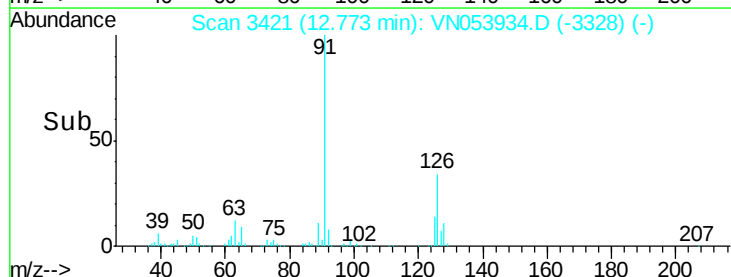
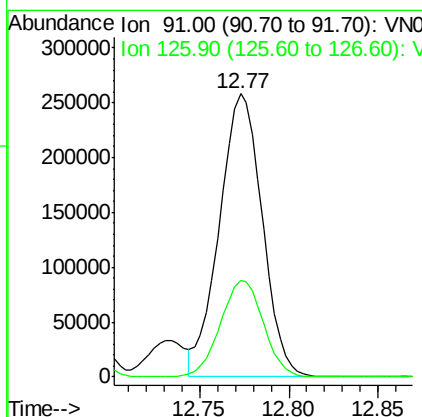
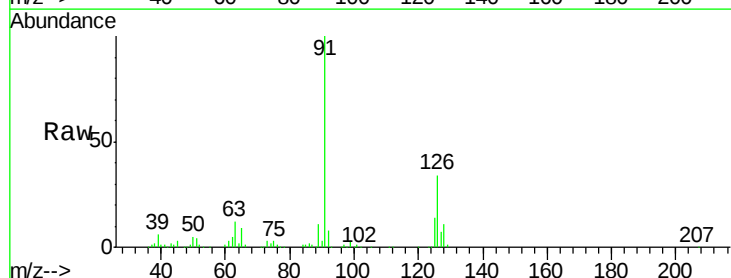
RT: 12.77 min Scan# 3421

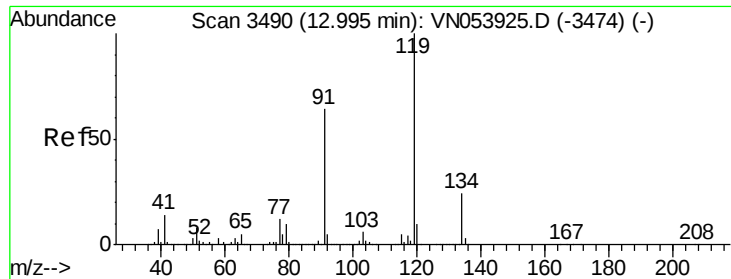
Delta R.T. -0.00 min

Lab File: VN053934.D

Acq: 25 Feb 2019 17:22

Tgt Ion:	91	Resp:	429653
Ion Ratio	Lower	Upper	
91	100		
126	34.2	18.0	54.0





#83

tert-Butylbenzene

Concen: 20.509 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN053934.D

Acq: 25 Feb 2019 17:22

Instrument :

MSVOA_N

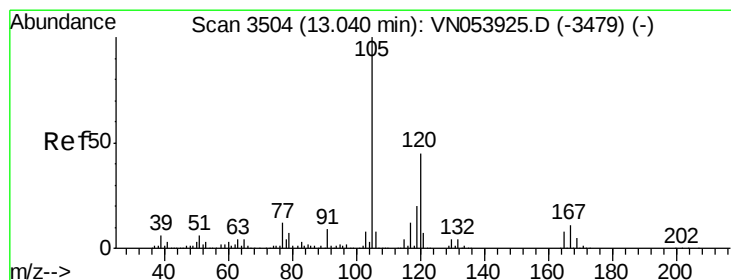
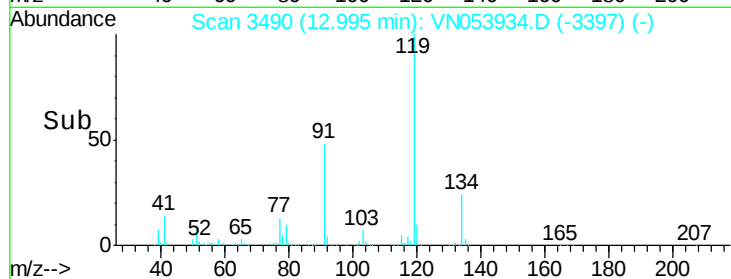
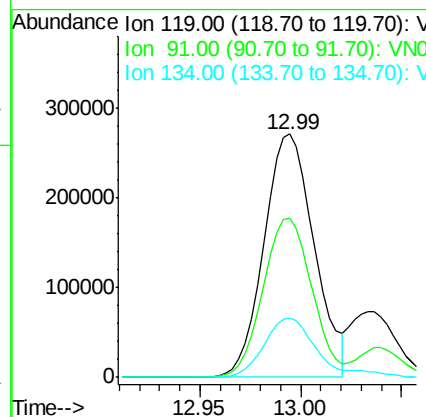
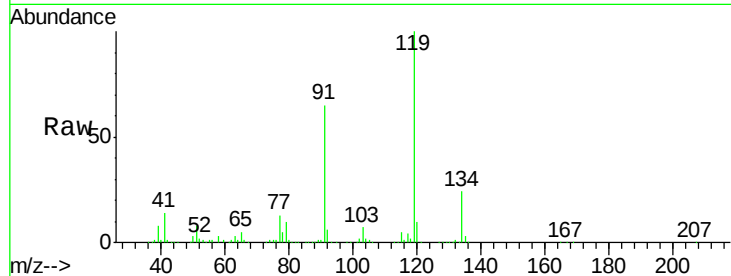
ClientSampleId :

VN0225WBSD01

Tot Ion:	119	Resp:	469580
Ion Ratio	Lower	Upper	
119	100		
91	63.7	30.6	91.8
134	25.9	13.0	39.0

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#84

1,2,4-Trimethylbenzene

Concen: 20.711 ug/l

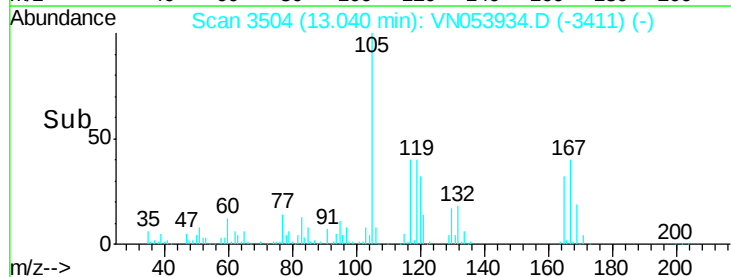
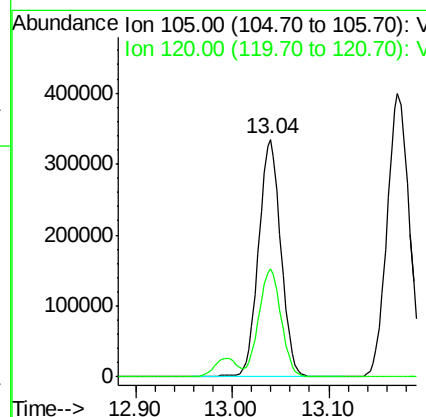
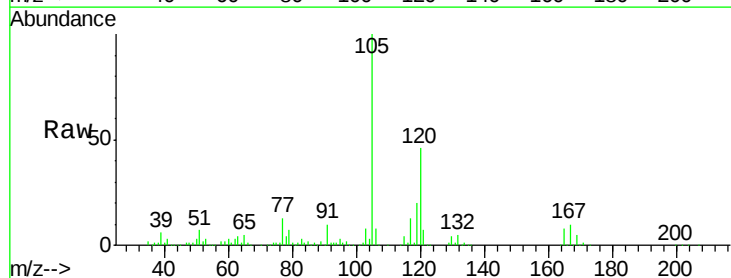
RT: 13.04 min Scan# 3504

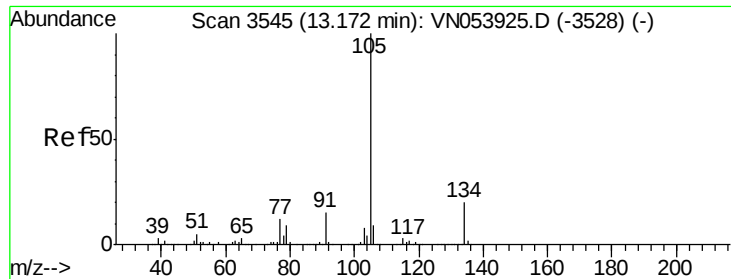
Delta R.T. -0.00 min

Lab File: VN053934.D

Acq: 25 Feb 2019 17:22

Tgt Ion:	105	Resp:	535265
Ion Ratio	Lower	Upper	
105	100		
120	45.7	23.2	69.5





#85

sec-Butylbenzene

Concen: 20.309 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053934.D

Acq: 25 Feb 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

VN0225WBSD01

Tot Ion:105 Resp: 635118

Ion Ratio Lower Upper

105 100

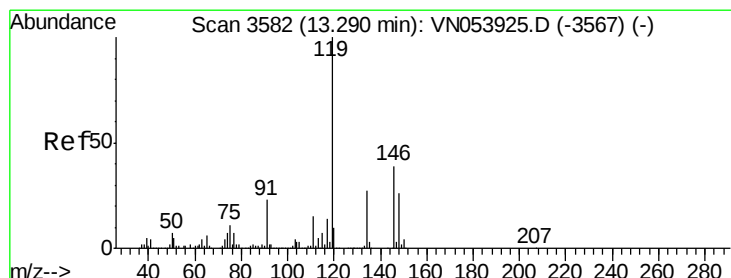
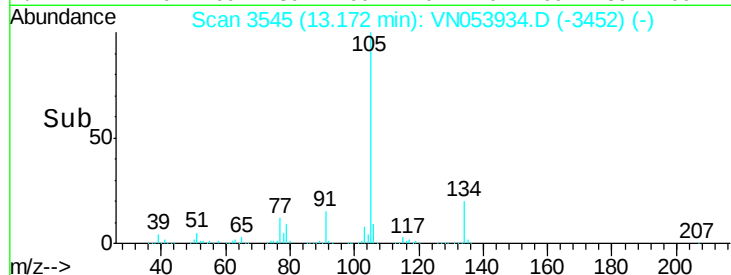
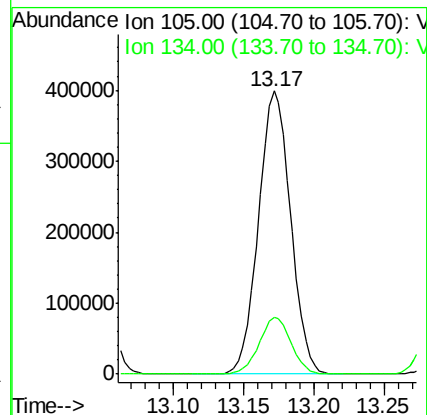
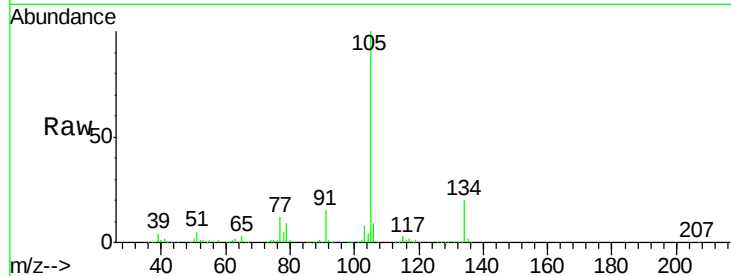
134 20.0 10.4 31.1

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#86

p-Isopropyltoluene

Concen: 20.280 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN053934.D

Acq: 25 Feb 2019 17:22

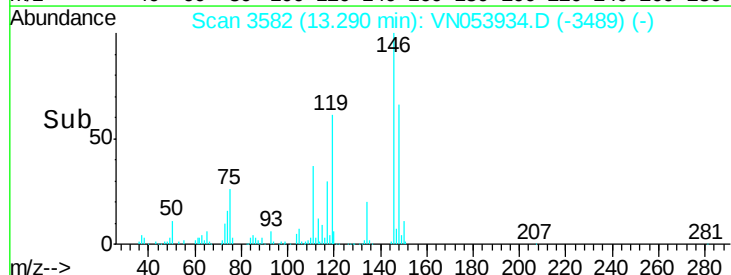
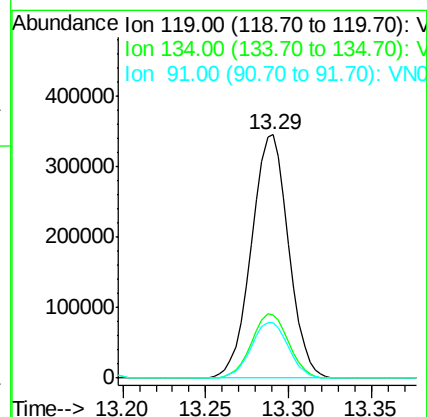
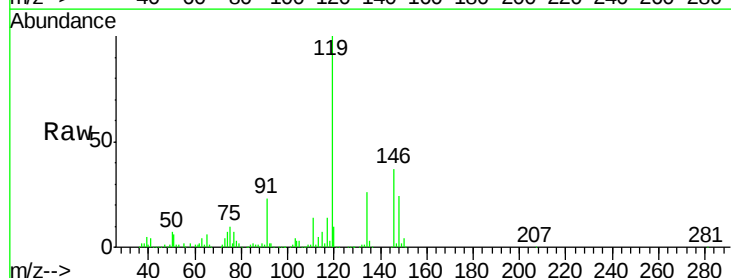
Tgt Ion:119 Resp: 536129

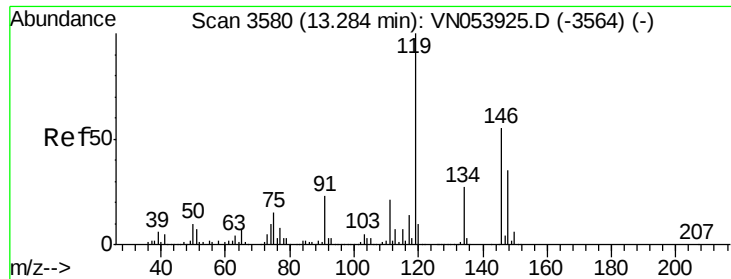
Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.4

91 23.0 10.9 32.6





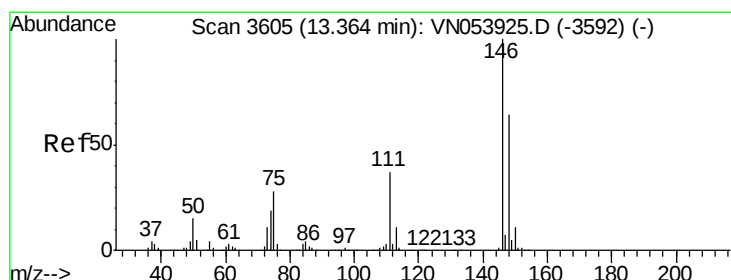
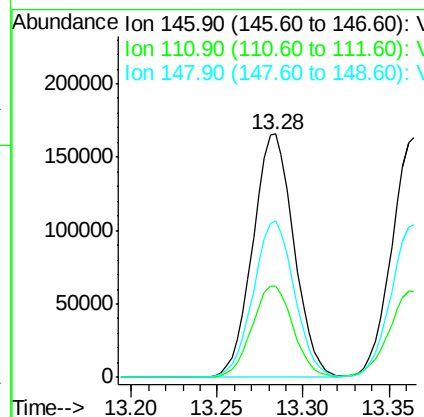
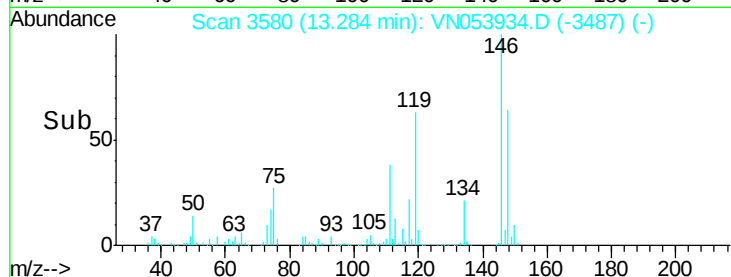
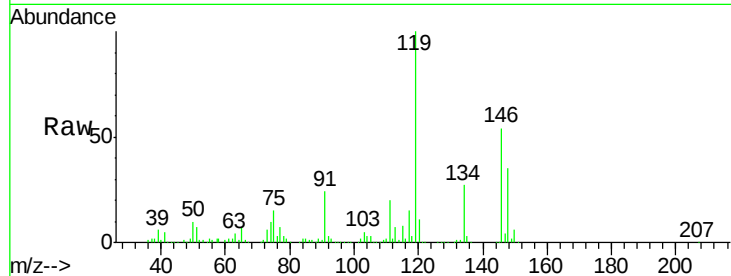
#87
 1,3-Dichlorobenzene
 Concen: 19.854 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN053934.D
 Acq: 25 Feb 2019 17:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0225WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.7	56.1
148	64.1	32.0	96.2

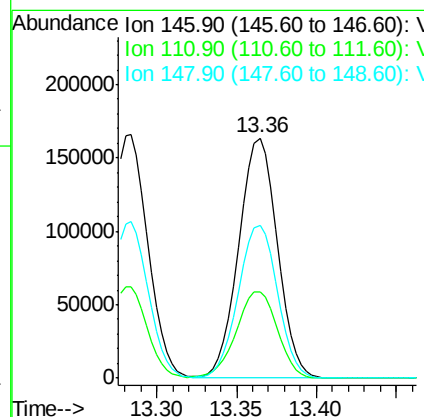
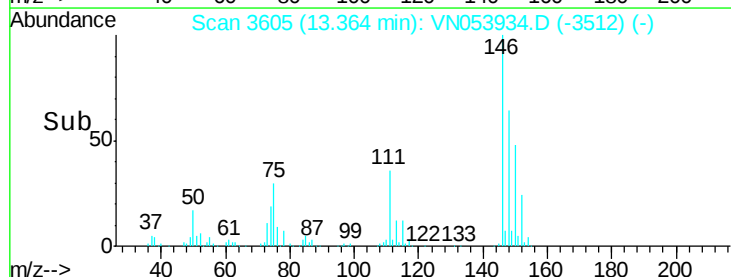
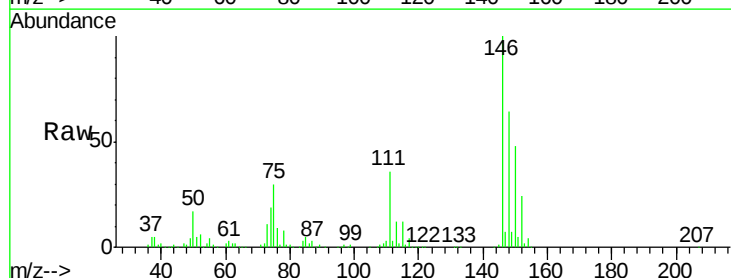
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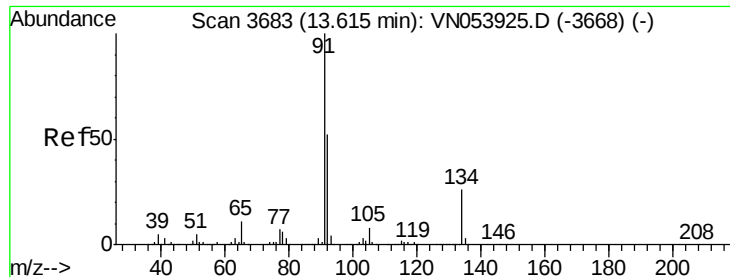
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#88
 1,4-Dichlorobenzene
 Concen: 19.995 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN053934.D
 Acq: 25 Feb 2019 17:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.0	54.0
148	64.8	32.1	96.5





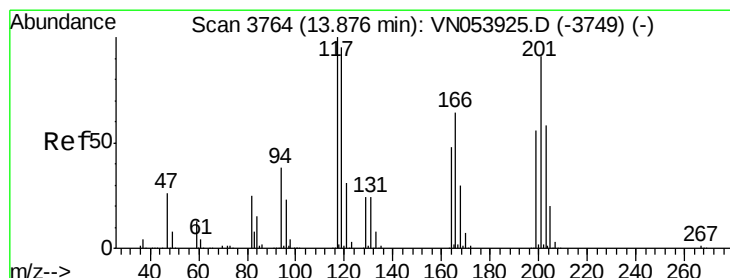
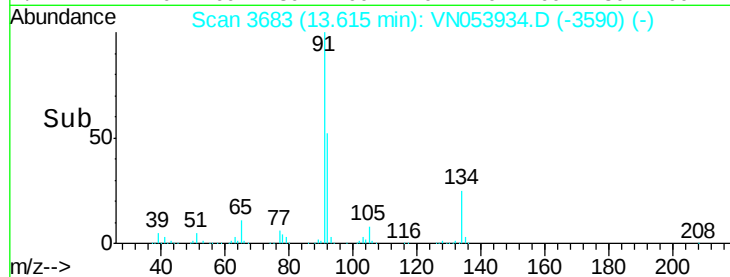
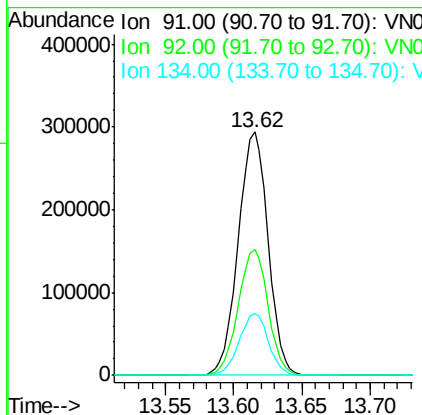
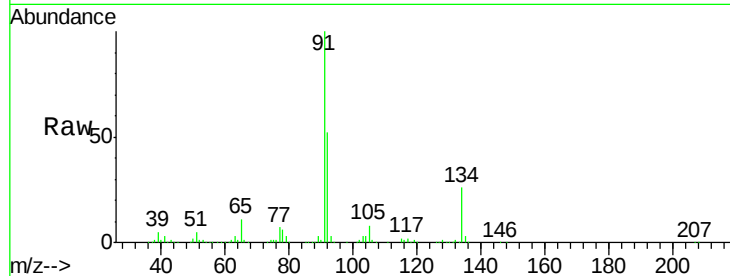
#89
n-Butylbenzene
Concen: 20.097 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053934.D
Acq: 25 Feb 2019 17:22

Instrument :
MSVOA_N
ClientSampleId :
VN0225WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.1	78.2
134	24.8	13.6	40.8

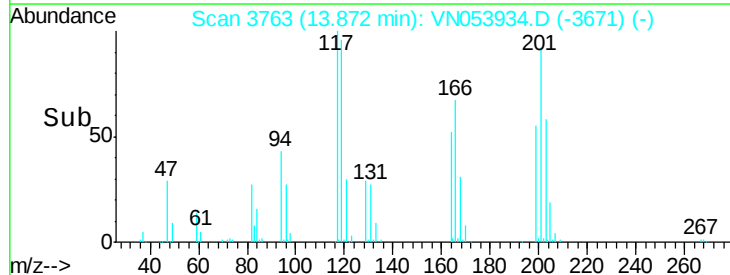
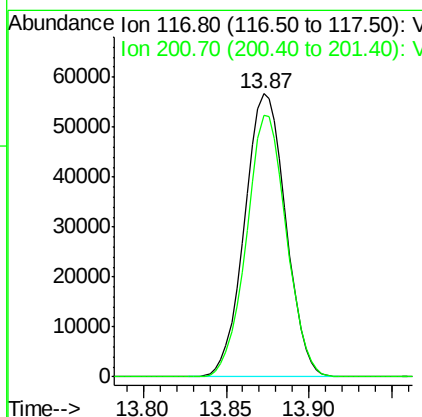
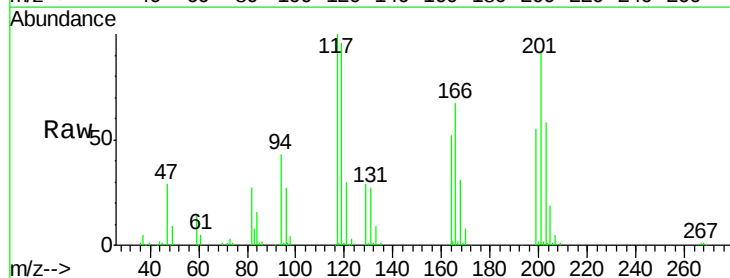
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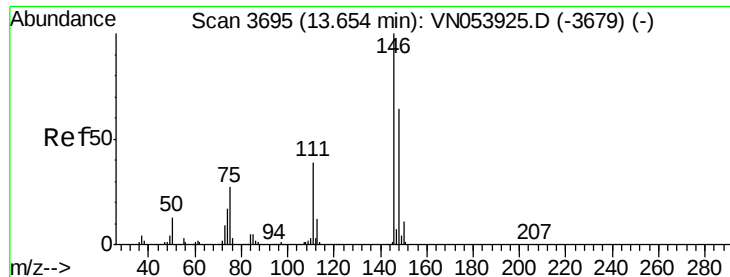
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#90
Hexachloroethane
Concen: 19.096 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN053934.D
Acq: 25 Feb 2019 17:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.7	48.0	144.2





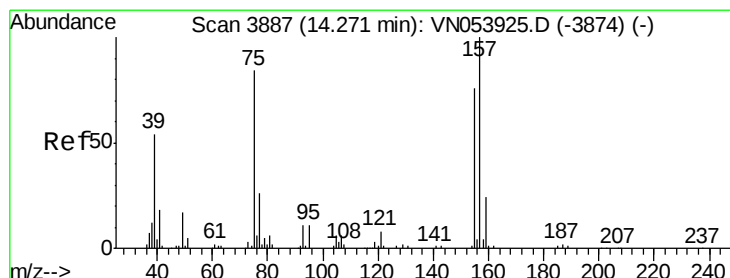
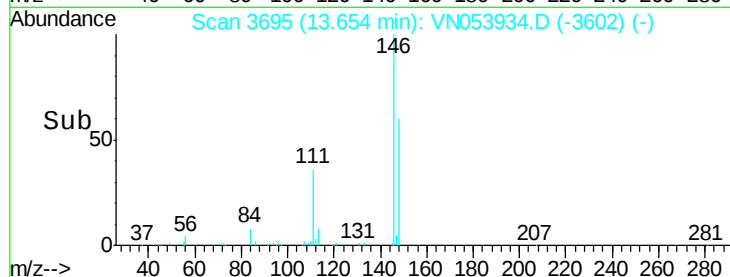
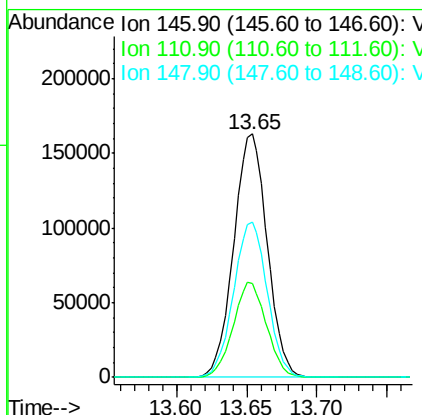
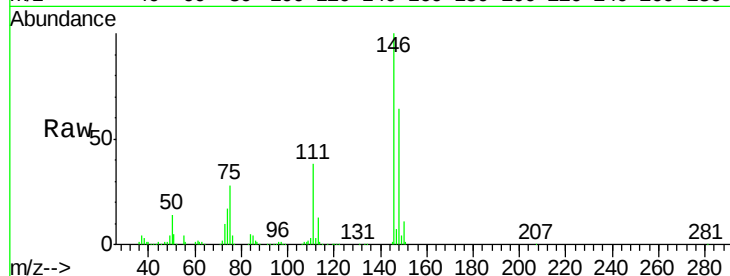
#91
 1,2-Dichlorobenzene
 Concen: 20.197 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053934.D
 Acq: 25 Feb 2019 17:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0225WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.1	57.5
148	64.0	32.1	96.5

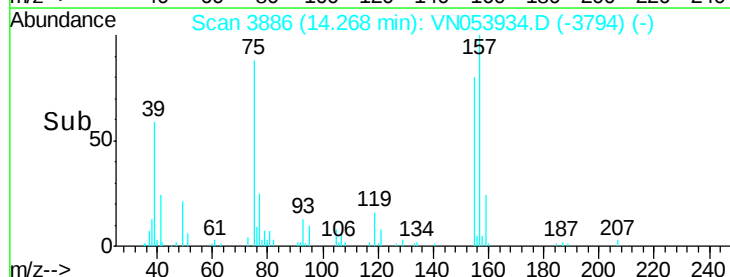
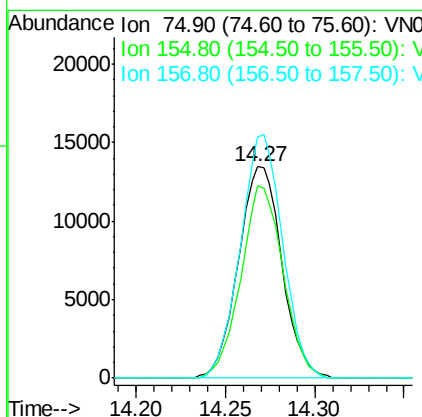
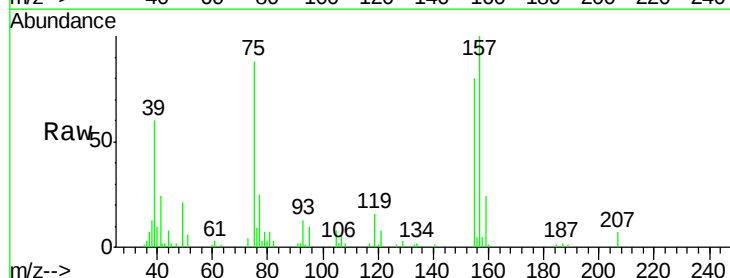
Manual Integrations
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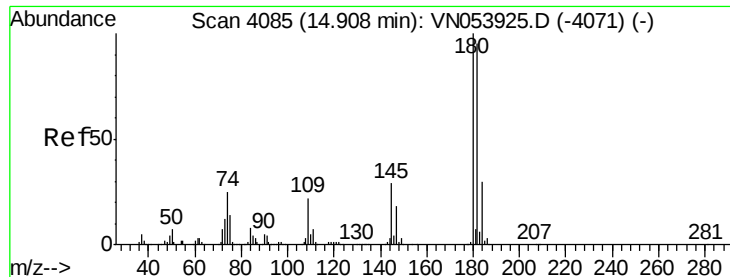
MMDadoda
 2/28/2019 10:48:39 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.505 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053934.D
 Acq: 25 Feb 2019 17:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.1	49.5	148.5
157	112.0	64.8	194.6





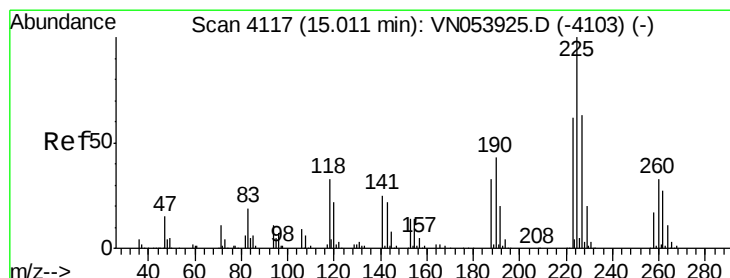
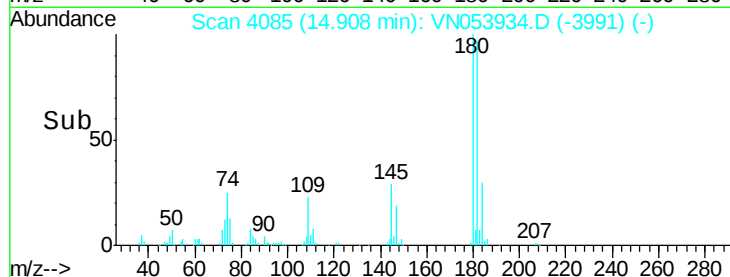
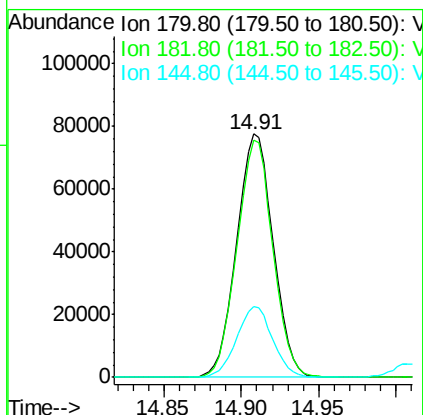
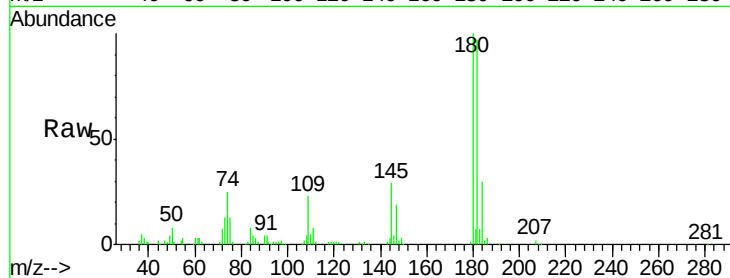
#93
 1,2,4-Trichlorobenzene
 Concen: 18.468 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053934.D
 Acq: 25 Feb 2019 17:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0225WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	48.6	145.9
145	28.7	13.8	41.3

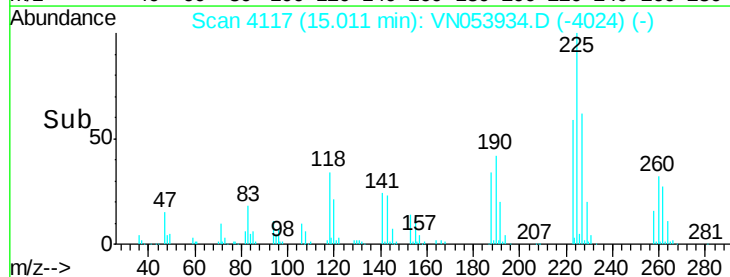
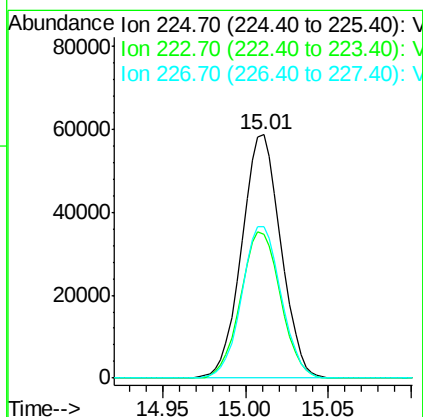
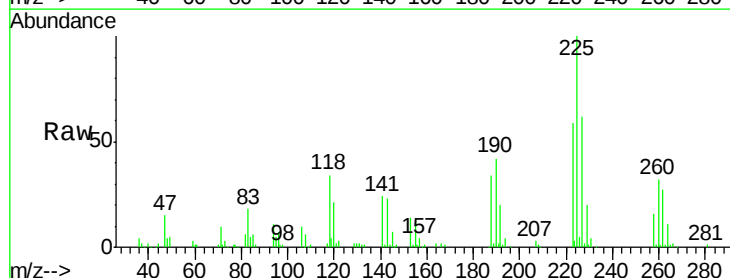
Manual Integrations
 APPROVED

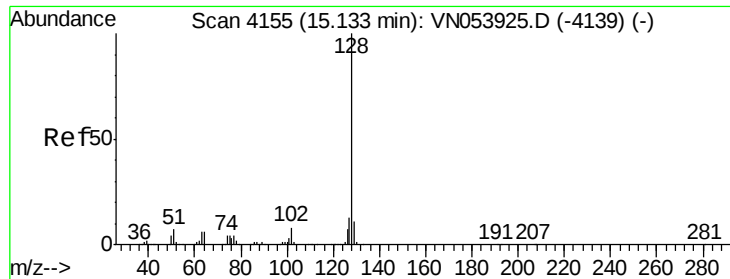
MMDadoda
 2/28/2019 10:48:39 AM



#94
 Hexachlorobutadiene
 Concen: 19.834 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN053934.D
 Acq: 25 Feb 2019 17:22

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.4	30.9	92.5
227	62.6	32.5	97.4





#95

Naphthalene

Concen: 18.211 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053934.D

Acq: 25 Feb 2019 17:22

Instrument :

MSVOA_N

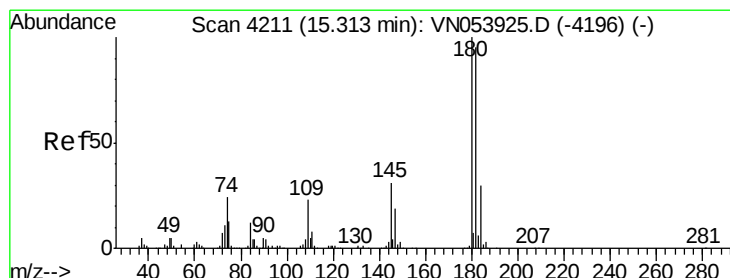
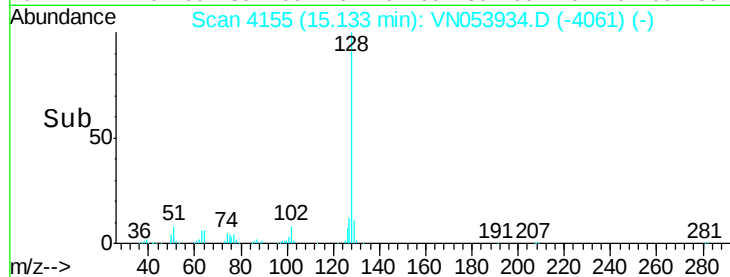
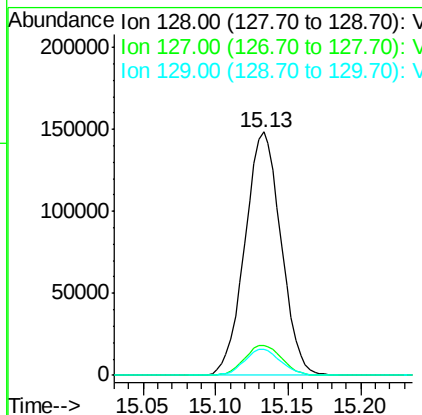
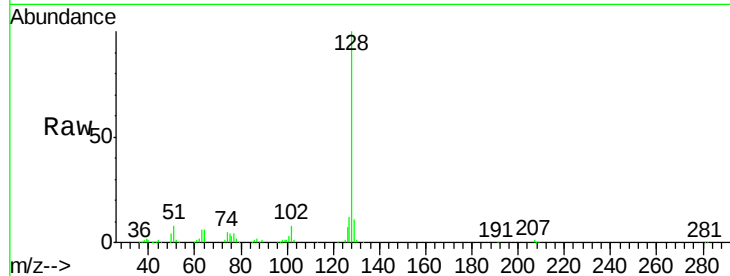
ClientSampleId :

VN0225WBSD01

Tot Ion:	128	Resp:	257809
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.2
129	10.7	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
2/28/2019 10:48:39 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.897 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053934.D

Acq: 25 Feb 2019 17:22

Tgt Ion:	180	Resp:	128176
Ion Ratio	Lower	Upper	
180	100		
182	94.0	47.3	141.8
145	29.6	14.4	43.0

