

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020419\
 Data File : VN053599.D
 Acq On : 4 Feb 2019 16:23
 Operator : JC/SP
 Sample : VN0204WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204WBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/5/2019 9:54:14 AM

Quant Time: Feb 05 03:10:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	723827	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1153010	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	988572	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	461863	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	386874	53.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.56%	
35) Dibromofluoromethane	7.59	113	366390	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	
50) Toluene-d8	10.09	98	1365435	49.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.82%	
62) 4-Bromofluorobenzene	12.40	95	454384	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	155528	19.268	ug/l	99
3) Chloromethane	2.06	50	169744	19.753	ug/l	99
4) Vinyl Chloride	2.19	62	170715	20.465	ug/l	100
5) Bromomethane	2.57	94	111340	20.413	ug/l	97
6) Chloroethane	2.71	64	95649	20.065	ug/l	99
7) Trichlorofluoromethane	3.02	101	223012	19.714	ug/l	99
8) Diethyl Ether	3.41	74	84206	20.383	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	133873	19.135	ug/l	99
10) Methyl Iodide	3.96	142	213354	19.430	ug/l	100
11) Tert butyl alcohol	4.78	59	44947	104.590	ug/l #	92
12) 1,1-Dichloroethene	3.74	96	133705	19.948	ug/l	99
13) Acrolein	3.61	56	24895	106.399	ug/l	99
14) Allyl chloride	4.33	41	214220	20.073	ug/l	99
15) Acrylonitrile	4.99	53	239702	103.320	ug/l	100
16) Acetone	3.82	43	161631	86.779	ug/l	99
17) Carbon Disulfide	4.06	76	377241	18.075	ug/l	99
18) Methyl Acetate	4.33	43	108825	19.729	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	354757	20.878	ug/l	100
20) Methylene Chloride	4.55	84	152422	19.506	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	140550	19.436	ug/l	99
22) Diisopropyl ether	5.95	45	405345	20.498	ug/l	93
23) Vinyl Acetate	5.90	43	1402312	102.508	ug/l	98
24) 1,1-Dichloroethane	5.85	63	267091	20.250	ug/l	100
25) 2-Butanone	6.84	43	250791	94.409	ug/l	97
26) 2,2-Dichloropropane	6.82	77	178738	17.752	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	160699	19.985	ug/l	98
28) Bromochloromethane	7.19	49	120157	20.993	ug/l	95
29) Tetrahydrofuran	7.21	42	180195	105.638	ug/l	99
30) Chloroform	7.37	83	261163	19.974	ug/l	99
31) Cyclohexane	7.65	56	238067	19.282	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	212179	19.500	ug/l	99
36) 1,1-Dichloropropene	7.79	75	197730	19.024	ug/l	100
37) Ethyl Acetate	6.93	43	116915	20.141	ug/l	99
38) Carbon Tetrachloride	7.78	117	186242	17.787	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	220027	17.843	ug/l	97
40) Benzene	8.04	78	607181	18.944	ug/l	99
41) Methacrylonitrile	7.17	41	63324	19.518	ug/l	92
42) 1,2-Dichloroethane	8.12	62	178797	18.788	ug/l	99
43) Isopropyl Acetate	8.17	43	212176	18.927	ug/l #	85
44) Trichloroethene	8.84	130	169184	18.541	ug/l	99
45) 1,2-Dichloropropane	9.12	63	157575	19.221	ug/l	99
46) Dibromomethane	9.21	93	92962	18.811	ug/l	100
47) Bromodichloromethane	9.40	83	188762	18.371	ug/l	99
48) Methyl methacrylate	9.20	41	95986	17.937	ug/l	92
49) 1,4-Dioxane	9.20	88	28262	389.332	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	534523	97.030	ug/l	100
52) Toluene	10.16	92	363326	19.100	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	185007	17.981	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	224126	18.383	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	134413	19.609	ug/l	99
56) Ethyl methacrylate	10.43	69	154980	19.112	ug/l	98
57) 1,3-Dichloropropane	10.71	76	224320	19.148	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	442686	93.216	ug/l	99
59) 2-Hexanone	10.75	43	335641	89.748	ug/l	99
60) Dibromochloromethane	10.90	129	142663	18.456	ug/l	99
61) 1,2-Dibromoethane	11.01	107	126093	18.586	ug/l	99
64) Tetrachloroethene	10.63	164	154510	18.233	ug/l	99
65) Chlorobenzene	11.44	112	399919	19.045	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	138211	18.847	ug/l	99
67) Ethyl Benzene	11.51	91	665861	19.304	ug/l	99
68) m/p-Xylenes	11.62	106	516817	39.257	ug/l	100
69) o-Xylene	11.95	106	252155	19.826	ug/l	99
70) Styrene	11.96	104	400335	19.420	ug/l	99
71) Bromoform	12.13	173	92360	18.370	ug/l #	100
73) Isopropylbenzene	12.25	105	656243	20.212	ug/l	100
74) N-amyl acetate	12.07	43	153458	19.655	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	150361	19.350	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	126143m	21.264	ug/l	
77) Bromobenzene	12.53	156	172528	19.716	ug/l	98
78) n-propylbenzene	12.59	91	748053	19.930	ug/l	100
79) 2-Chlorotoluene	12.68	91	446658	20.058	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	551766	20.493	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	36261	17.188	ug/l	96
82) 4-Chlorotoluene	12.77	91	449138	19.656	ug/l	100
83) tert-Butylbenzene	12.99	119	490554	20.615	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	562395	20.502	ug/l	100
85) sec-Butylbenzene	13.17	105	648056	20.013	ug/l	99
86) p-Isopropyltoluene	13.29	119	570732	20.152	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	301875	19.191	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	297850	19.142	ug/l	100
89) n-Butylbenzene	13.62	91	473240	19.305	ug/l	100
90) Hexachloroethane	13.87	117	87981	18.834	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	293532	19.492	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21745	19.636	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	172403	19.961	ug/l	99
94) Hexachlorobutadiene	15.01	225	94763	17.618	ug/l	98
95) Naphthalene	15.13	128	384821	20.045	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	163220	20.367	ug/l	99

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

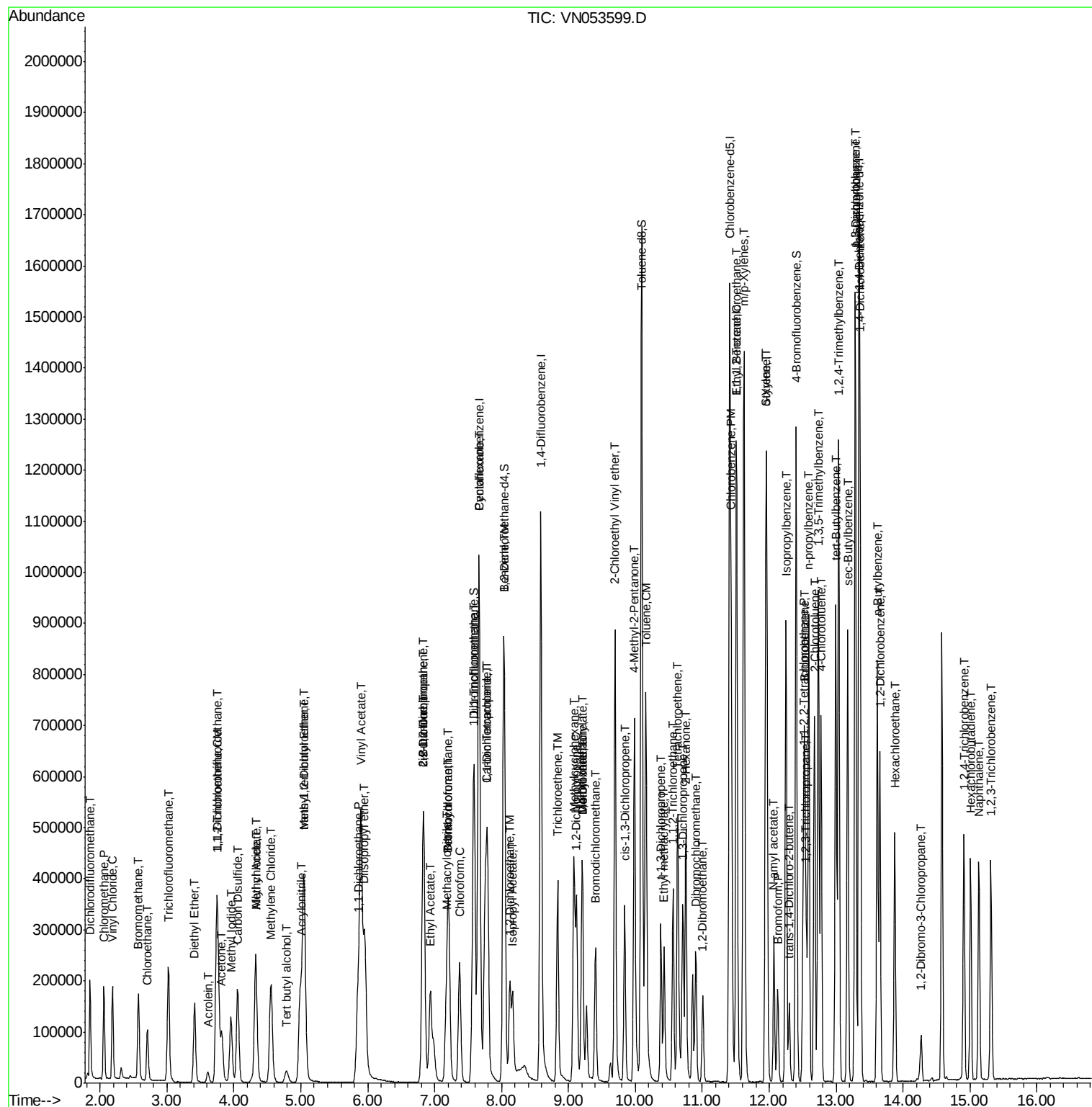
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020419\
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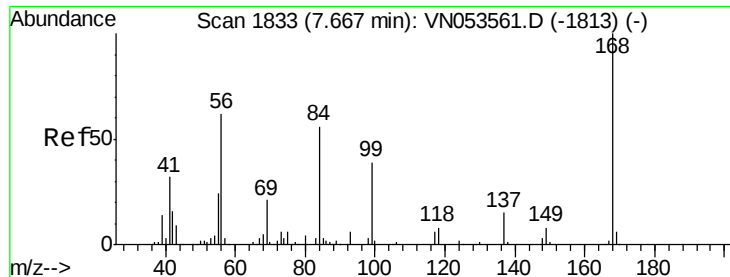
Instrument :
 MSVOA_N
 Client Sample Id :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053599.D

Acq: 4 Feb 2019 16:23

Instrument :

MSVOA_N

ClientSampleId :

VN0204WBSD01

Tot Ion:168 Resp: 723827

Ion Ratio Lower Upper

168 100

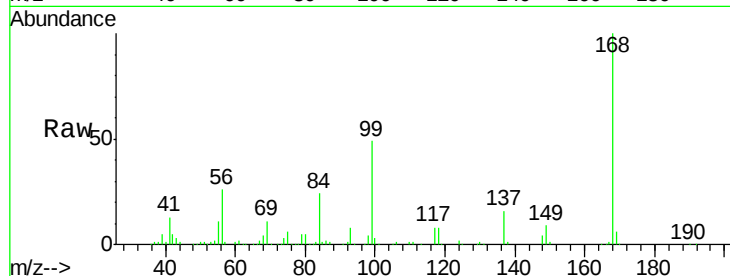
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Manual Integrations

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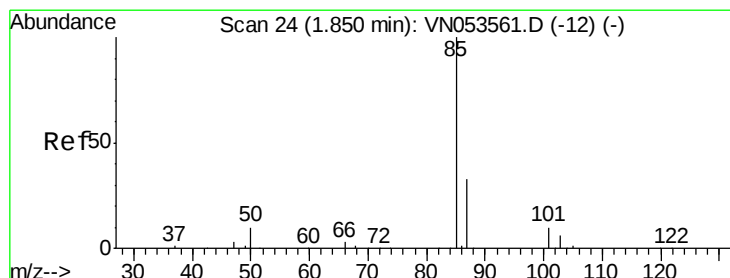
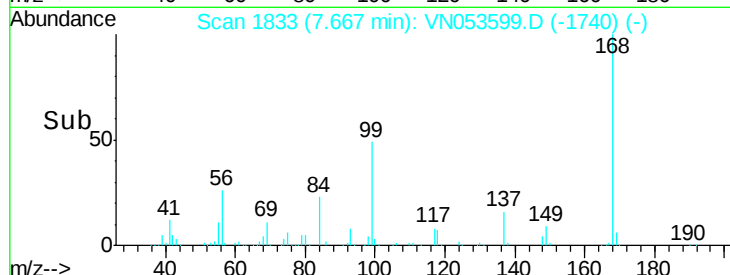
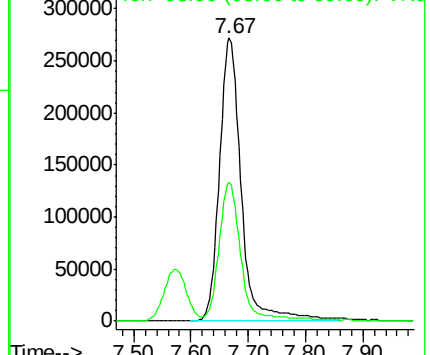
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 19.268 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053599.D

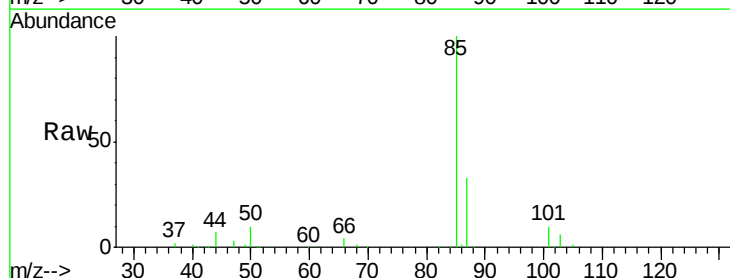
Acq: 4 Feb 2019 16:23

Tgt Ion: 85 Resp: 155528

Ion Ratio Lower Upper

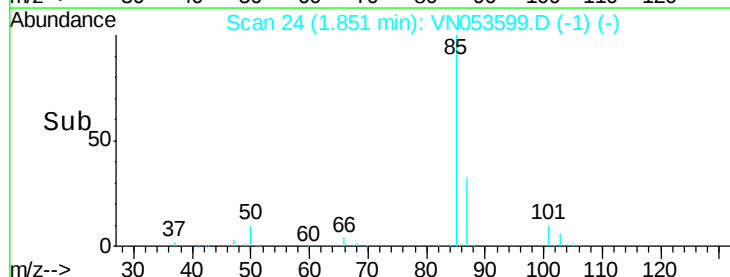
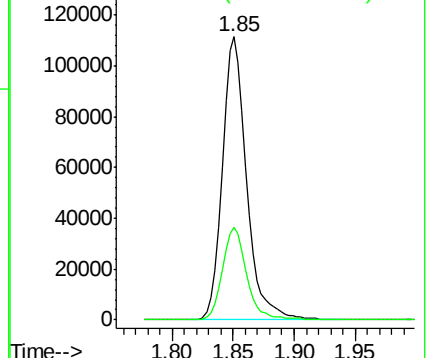
85 100

87 32.7 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 19.753 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN053599.D

Acq: 4 Feb 2019 16:23

Instrument :

MSVOA_N

ClientSampleId :

VN0204WBSD01

Tot Ion: 50 Resp: 169744

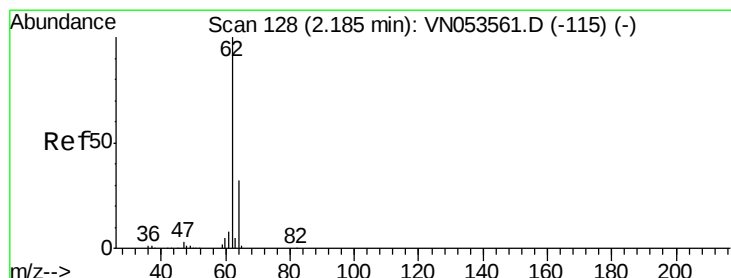
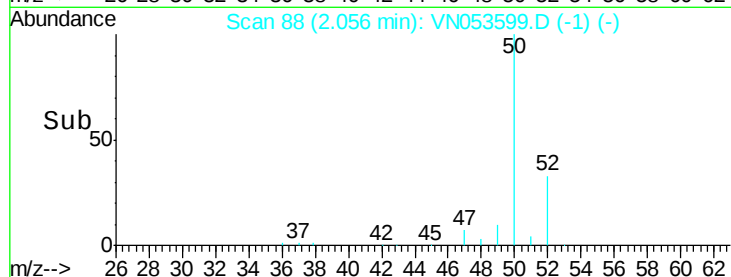
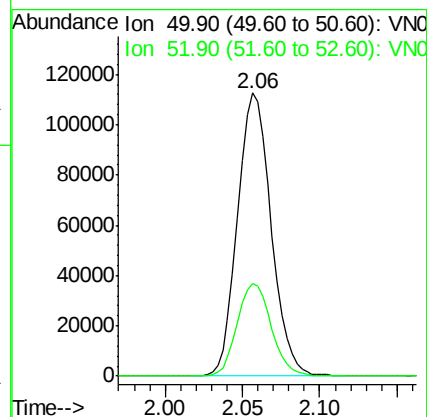
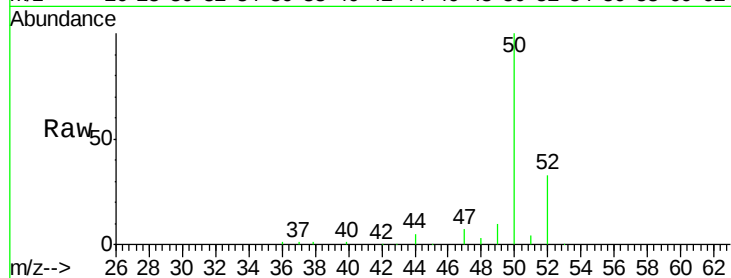
Ion Ratio Lower Upper

50 100

52 32.6 26.6 40.0

Manual Integrations
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#4

Vinyl Chloride

Concen: 20.465 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN053599.D

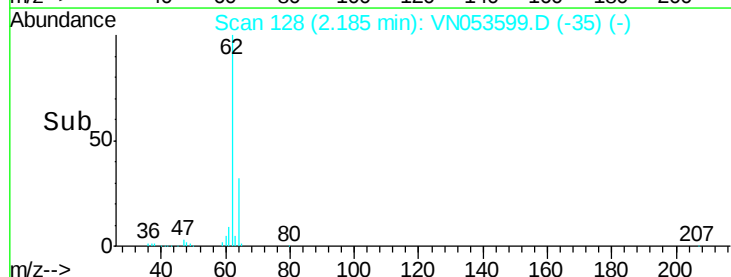
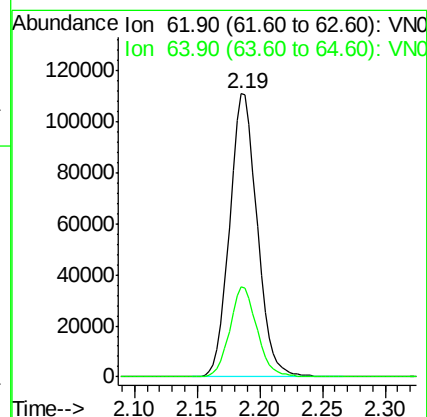
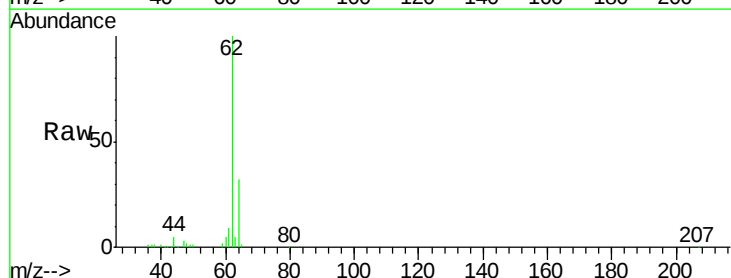
Acq: 4 Feb 2019 16:23

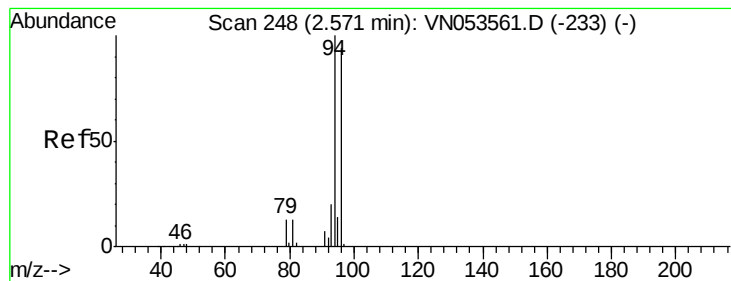
Tgt Ion: 62 Resp: 170715

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.2





#5

Bromomethane

Concen: 20.413 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN053599.D

Acq: 4 Feb 2019 16:23

Instrument :

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ClientSampleId :

VN0204WBSD01

Tot Ion: 94 Resp: 111340

Ion Ratio Lower Upper

94 100

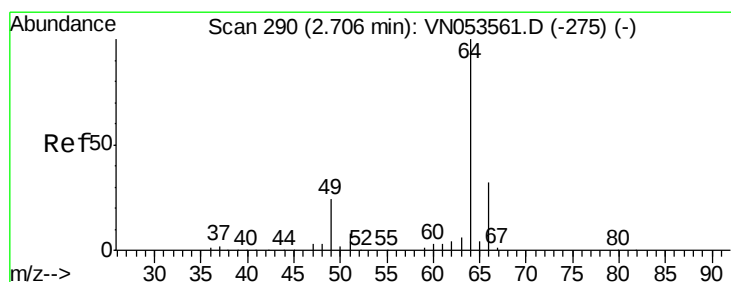
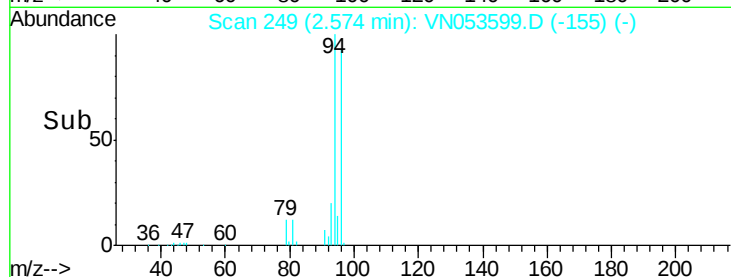
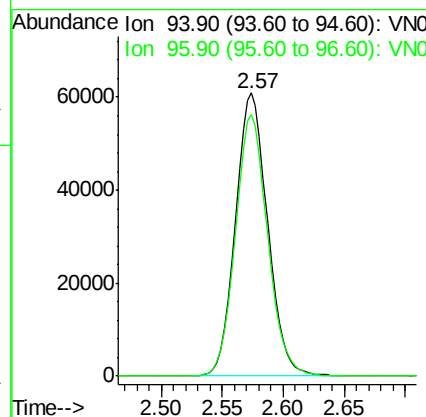
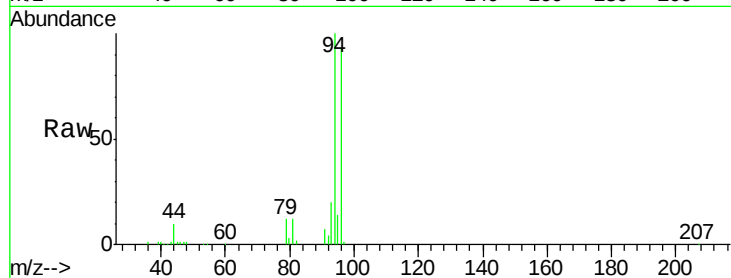
96 92.6 76.8 115.2

Manual Integrations

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#6

Chloroethane

Concen: 20.065 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053599.D

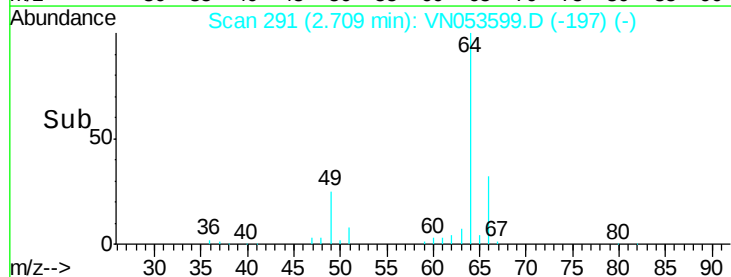
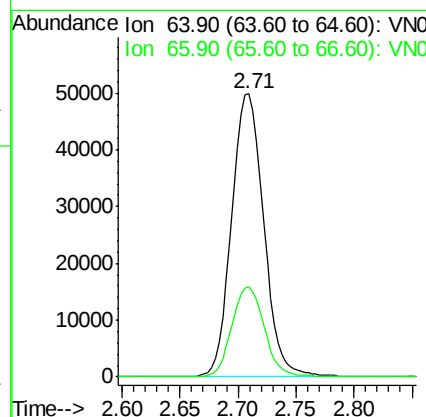
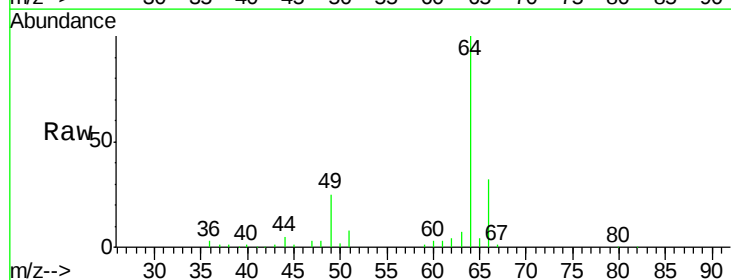
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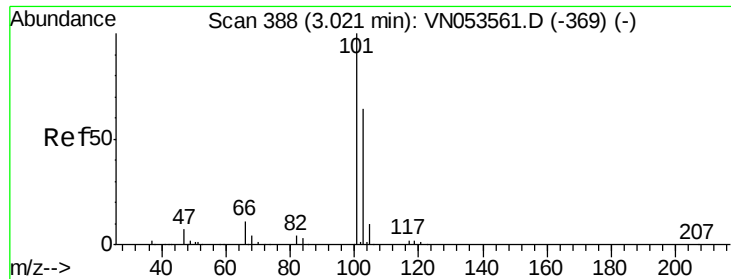
Tgt Ion: 64 Resp: 95649

Ion Ratio Lower Upper

64 100

66 31.7 25.1 37.7





#7

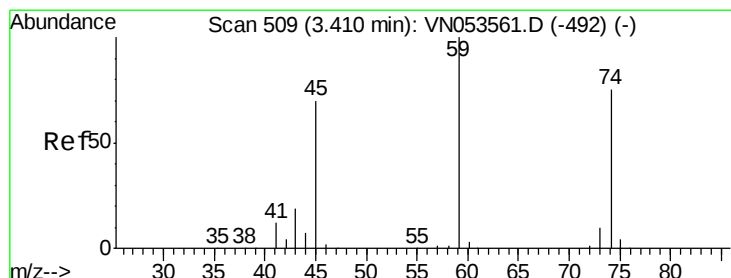
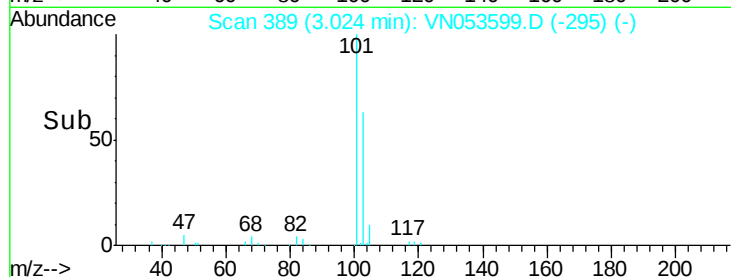
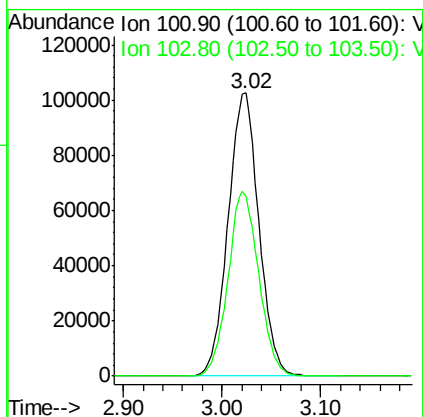
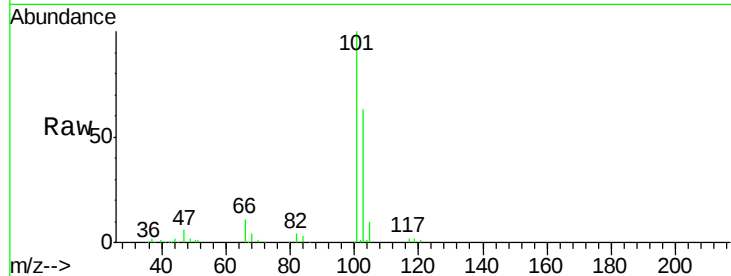
Trichlorofluoromethane
Concen: 19.714 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	51.6	77.4

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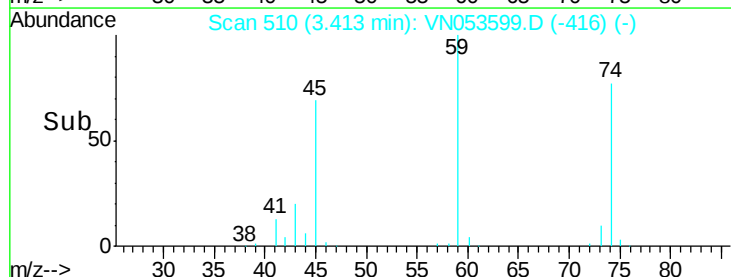
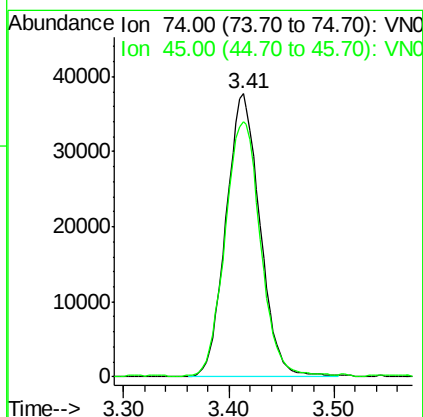
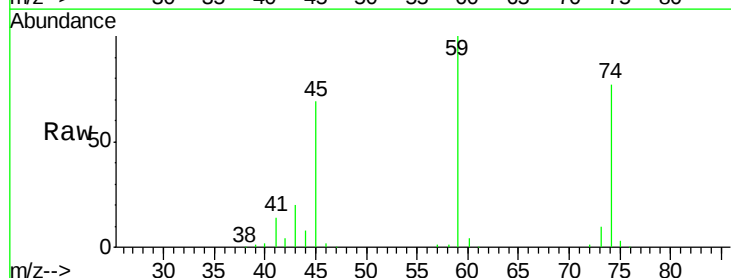
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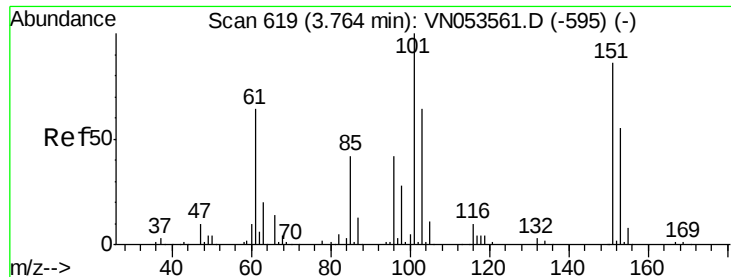


#8

Diethyl Ether
Concen: 20.383 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN053599.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.7	47.9	143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.135 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053599.D

Acq: 4 Feb 2019 16:23

Instrument :

MSVOA_N

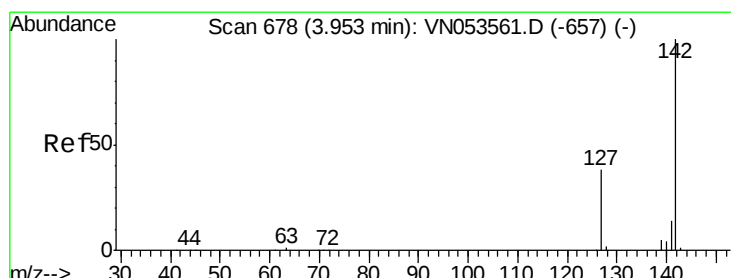
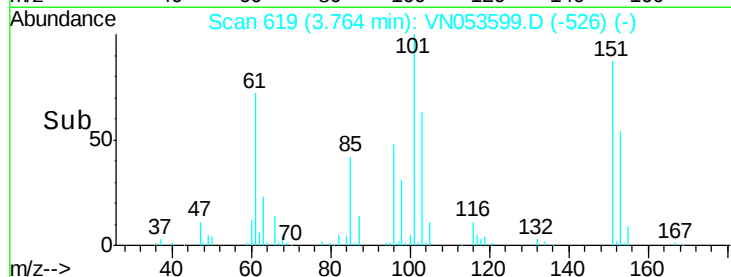
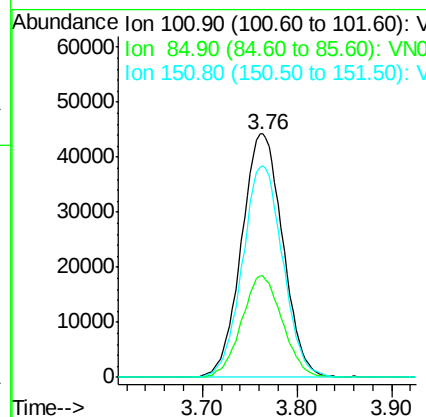
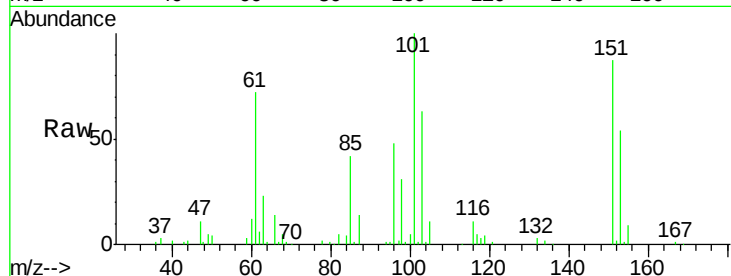
ClientSampleId :

VN0204WBSD01

Tot Ion:	101	Resp:	133873
Ion Ratio	Lower	Upper	
101	100		
85	41.2	32.8	49.2
151	85.0	66.9	100.3

Manual Integrations
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#10

Methyl Iodide

Concen: 19.430 ug/l

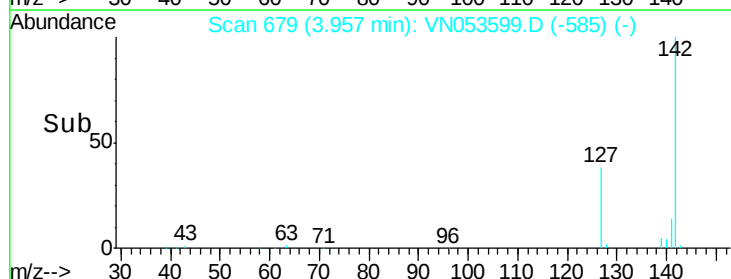
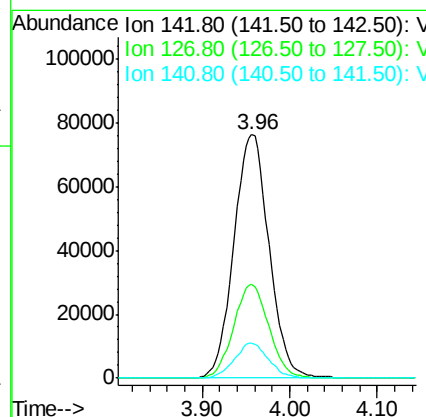
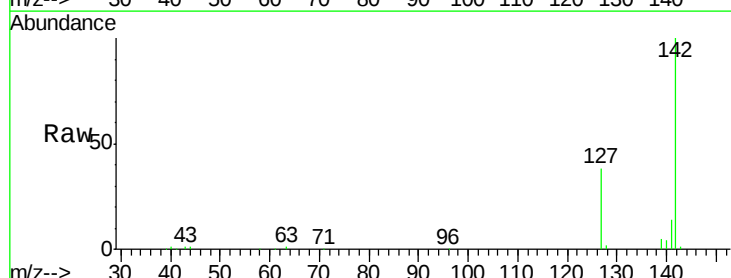
RT: 3.96 min Scan# 679

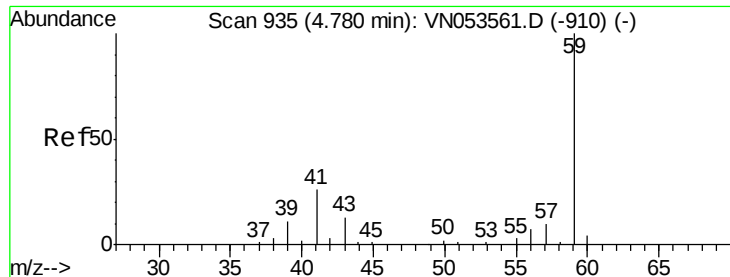
Delta R.T. 0.00 min

Lab File: VN053599.D

Acq: 4 Feb 2019 16:23

Tgt Ion:	142	Resp:	213354
Ion Ratio	Lower	Upper	
142	100		
127	38.5	31.0	46.4
141	13.9	11.1	16.7





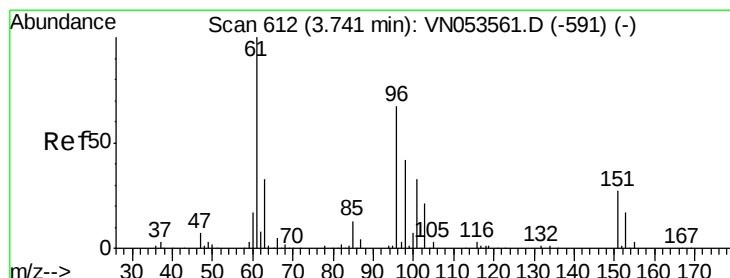
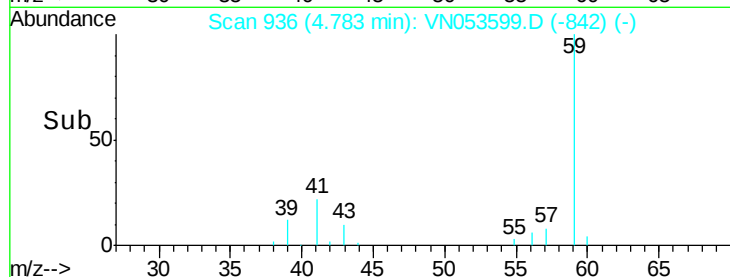
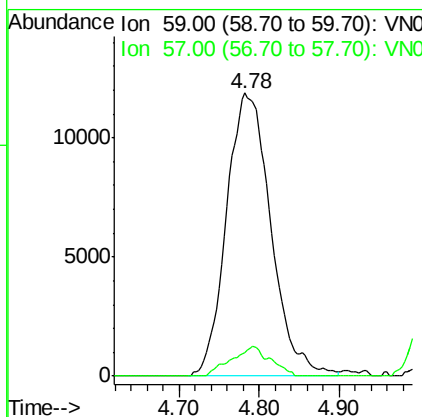
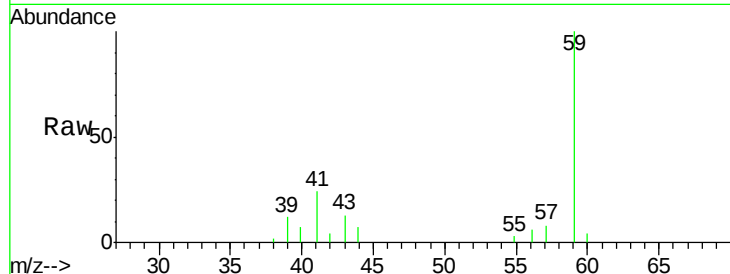
#11
Tert butyl alcohol
Concen: 104.590 ug/l
RT: 4.78 min Scan# 936
Delta R.T. 0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

Instrument :
MSVOA_N
ClientSampleId :
VN0204WBSD01

Tot Ion: 59 Resp: 44947
Ion Ratio Lower Upper
59 100
57 7.3 8.2 12.4#

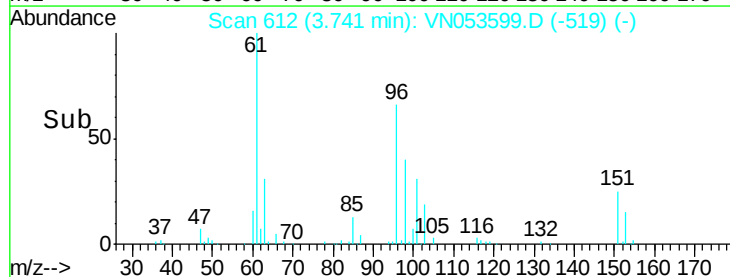
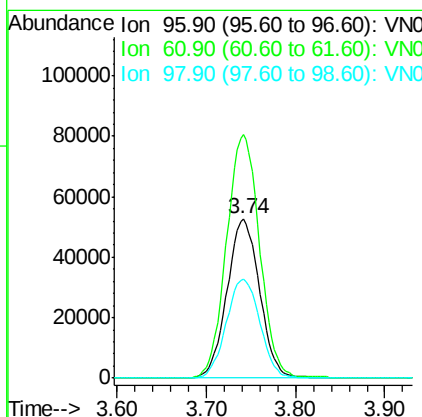
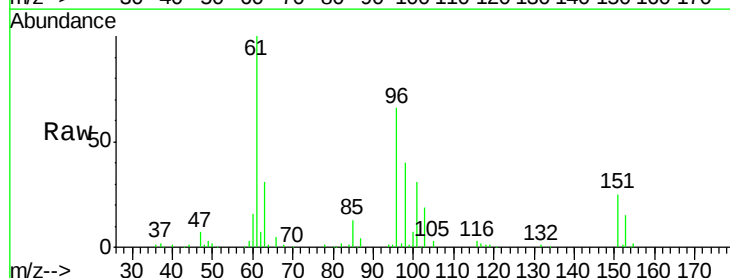
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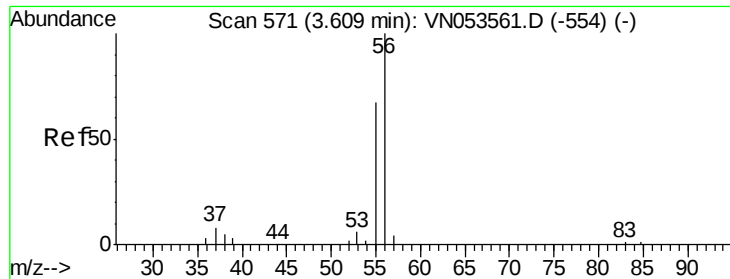
MMDadoda
2/5/2019 9:54:14 AM



#12
1,1-Dichloroethene
Concen: 19.948 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

Tgt Ion: 96 Resp: 133705
Ion Ratio Lower Upper
96 100
61 152.3 122.9 184.3
98 61.7 49.4 74.0





#13

Acrolein

Concen: 106.399 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053599.D

Acq: 4 Feb 2019 16:23

Instrument :

MSVOA_N

ClientSampleId :

VN0204WBSD01

Tot Ion: 56 Resp: 24895

Ion Ratio Lower Upper

56 100

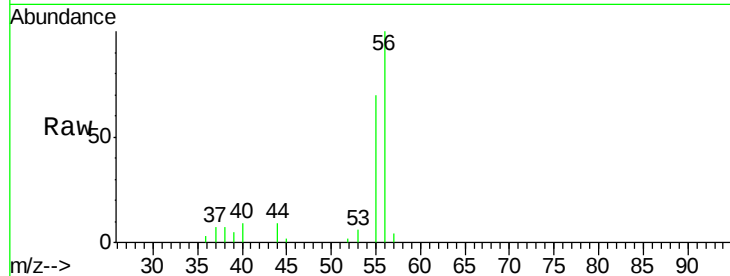
55 72.7 57.4 86.0

Manual Integrations

APPROVED

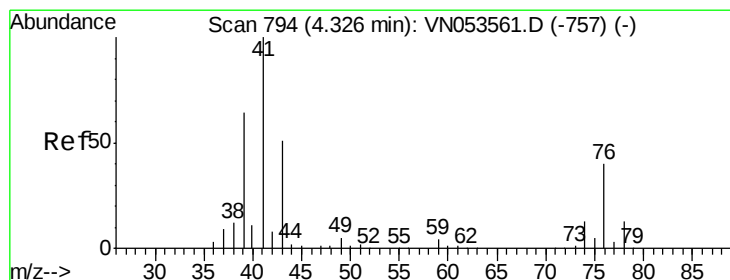
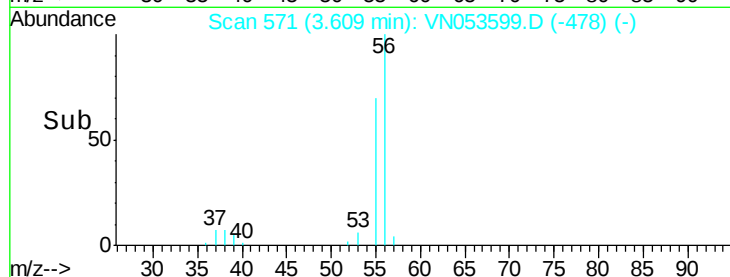
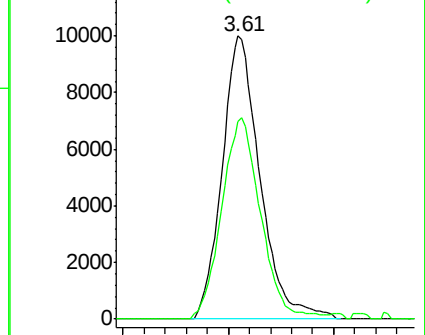
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2/5/2019 9:54:14 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 20.073 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053599.D

Acq: 4 Feb 2019 16:23

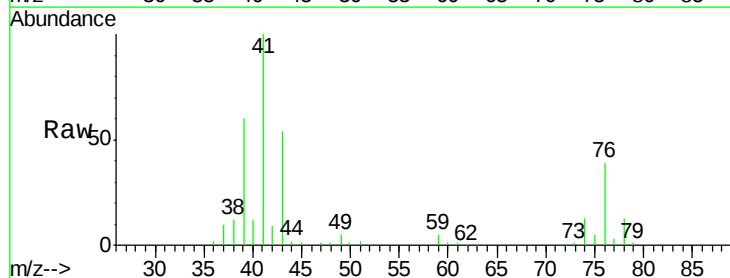
Tgt Ion: 41 Resp: 214220

Ion Ratio Lower Upper

41 100

39 60.4 48.9 73.3

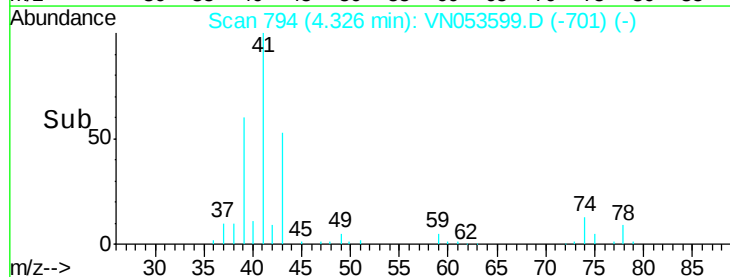
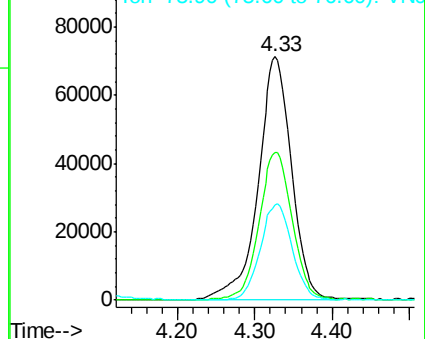
76 37.9 29.4 44.2



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 103.320 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VN053599.D

Acq: 4 Feb 2019 16:23

Instrument :

MSVOA_N

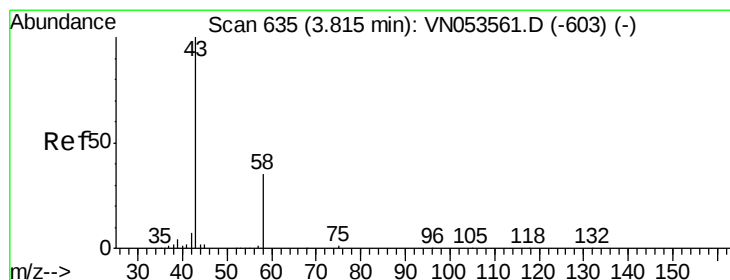
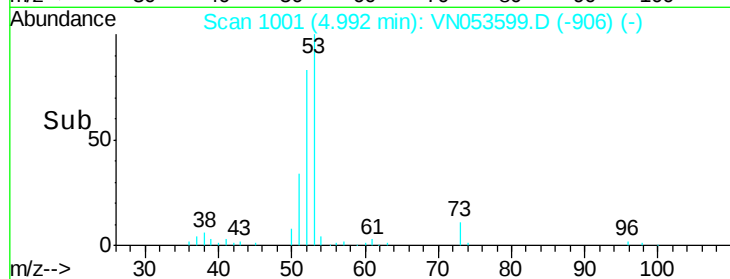
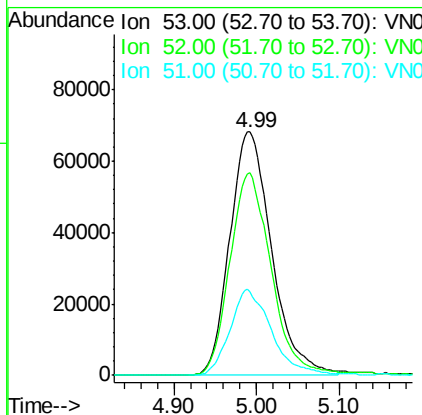
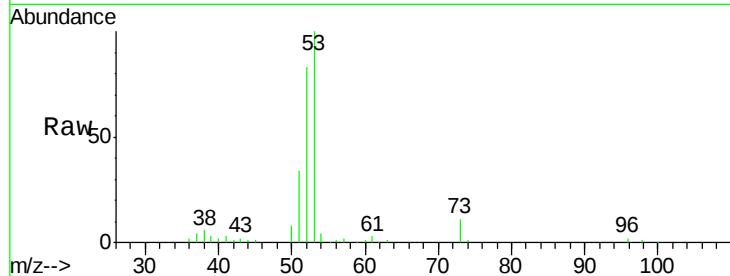
ClientSampleId :

VN0204WBSD01

Tot Ion:	53	Resp:	239702
Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.0	99.0
51	35.2	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 86.779 ug/l

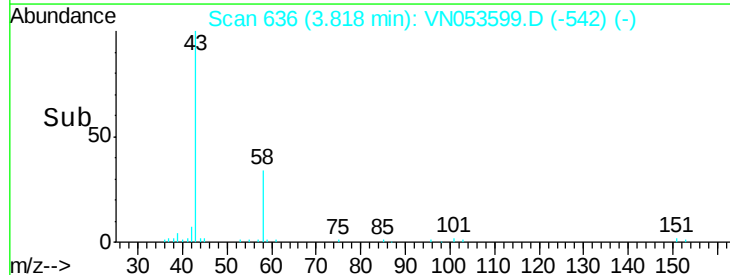
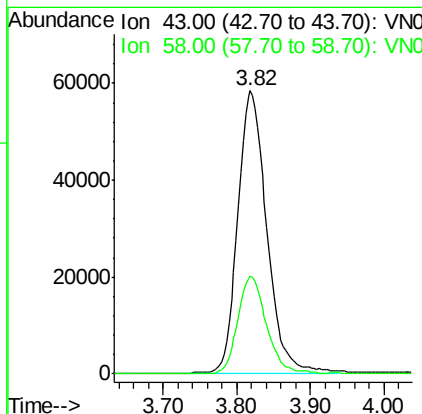
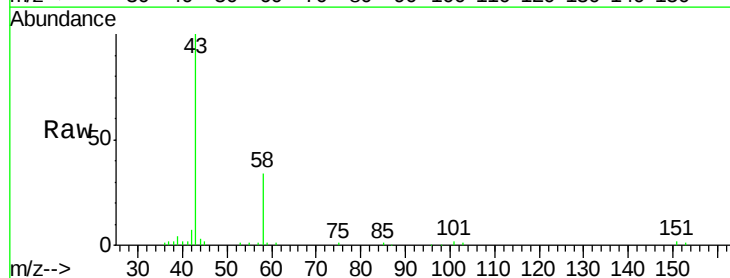
RT: 3.82 min Scan# 636

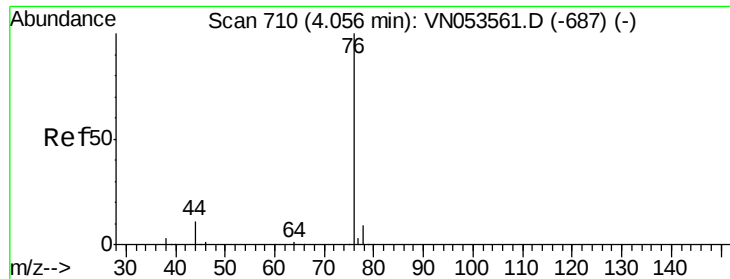
Delta R.T. 0.00 min

Lab File: VN053599.D

Acq: 4 Feb 2019 16:23

Tgt Ion:	43	Resp:	161631
Ion	Ratio	Lower	Upper
43	100		
58	34.4	27.1	40.7





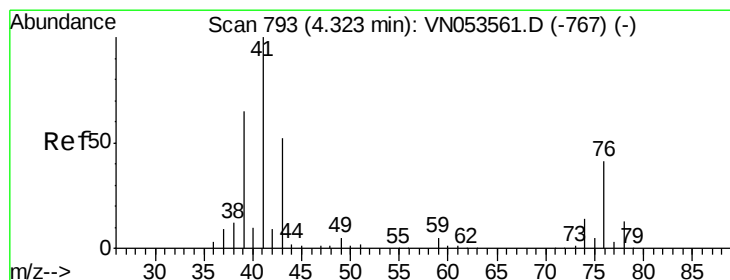
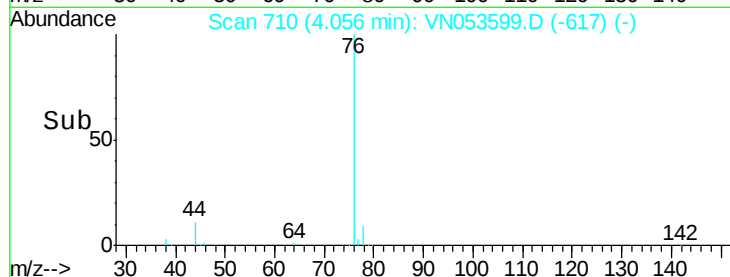
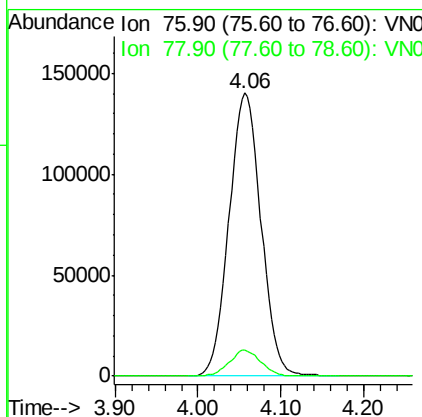
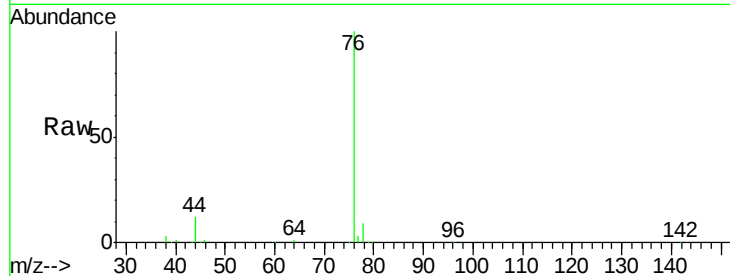
#17
Carbon Disulfide
Concen: 18.075 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

Instrument :
MSVOA_N
ClientSampleId :
VN0204WBSD01

Tot Ion: 76 Resp: 377241
Ion Ratio Lower Upper
76 100
78 9.3 7.3 10.9

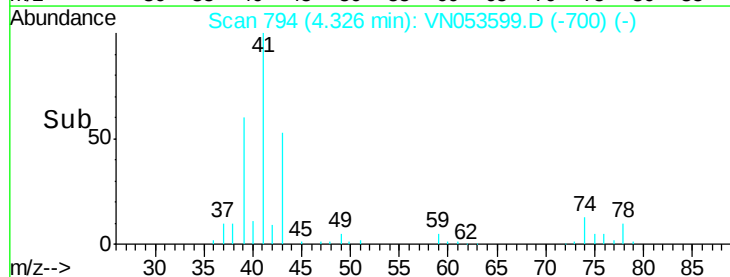
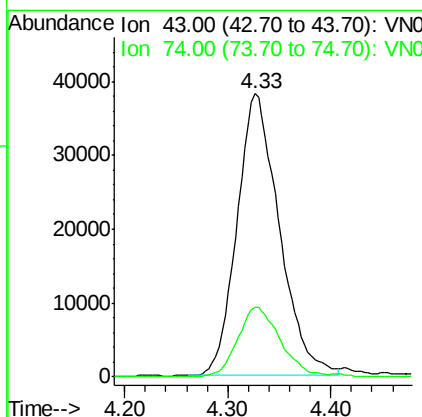
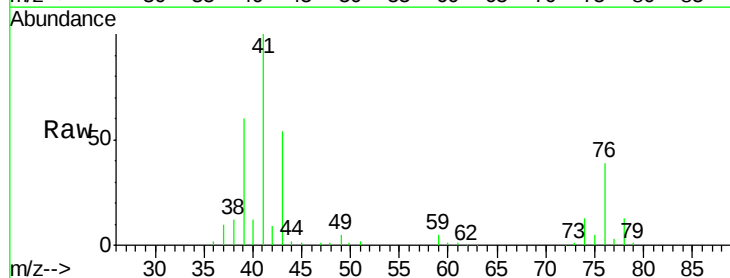
Manual Integrations
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2/5/2019 9:54:14 AM



#18
Methyl Acetate
Concen: 19.729 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

Tgt Ion: 43 Resp: 108825
Ion Ratio Lower Upper
43 100
74 24.9 19.4 29.2





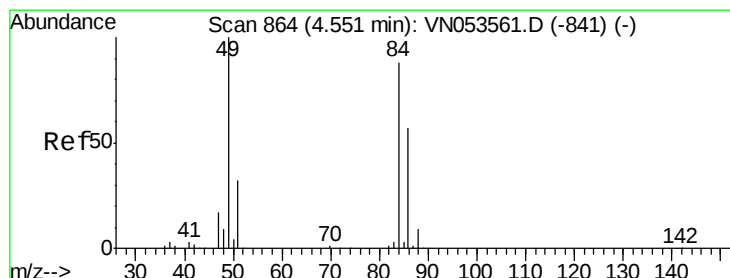
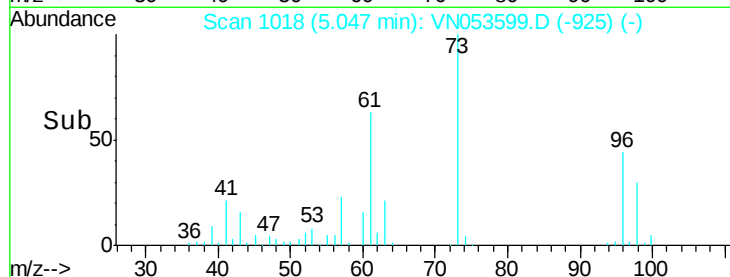
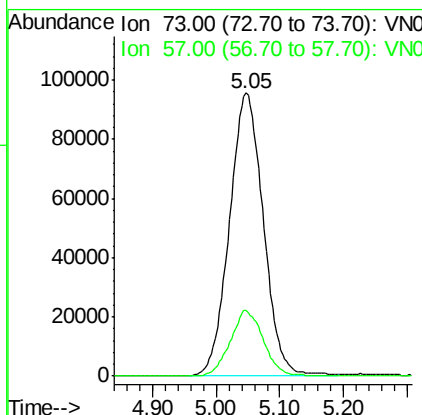
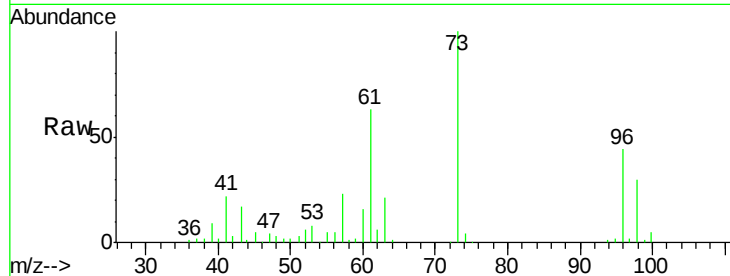
#19
Methvl tert-butvl Ether
Concen: 20.878 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

Instrument :
MSVOA_N
ClientSampleId :
VN0204WBSD01

Tot Ion: 73 Resp: 354757
Ion Ratio Lower Upper
73 100
57 23.1 18.3 27.5

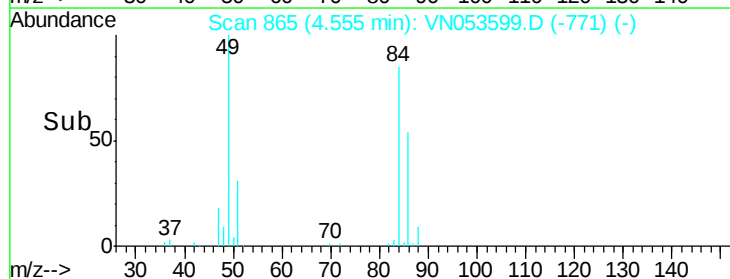
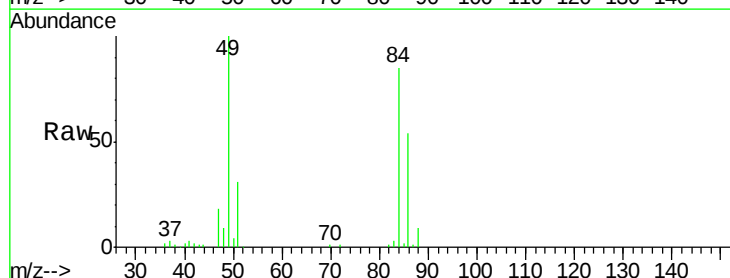
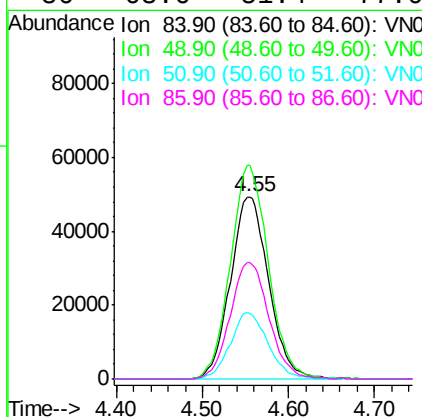
Manual Integrations
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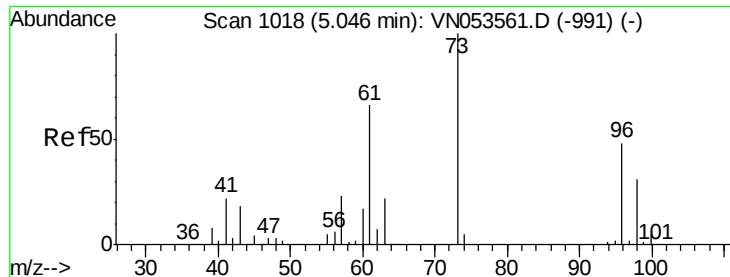
MMDadoda
2/5/2019 9:54:14 AM



#20
Methylene Chloride
Concen: 19.506 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

Tgt Ion: 84 Resp: 152422
Ion Ratio Lower Upper
84 100
49 117.2 94.3 141.5
51 36.0 29.4 44.2
86 63.6 51.4 77.0





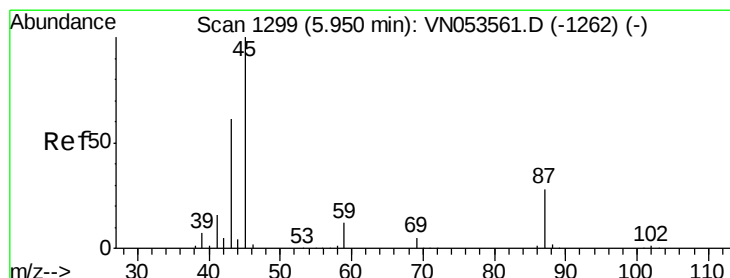
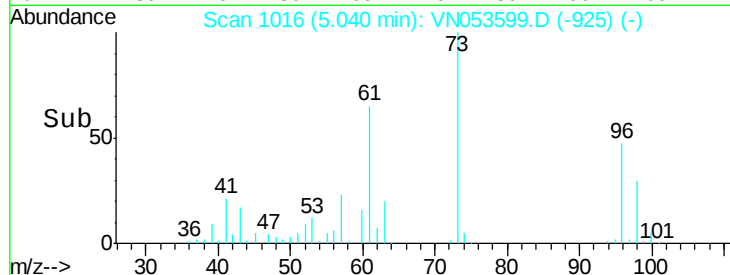
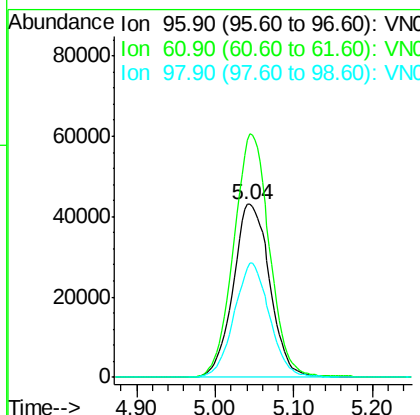
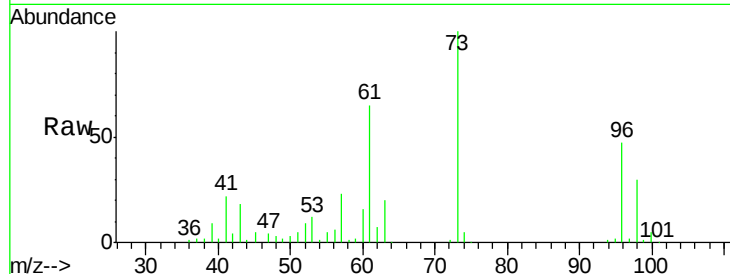
#21
trans-1,2-Dichloroethene
Concen: 19.436 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.01 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

Instrument :
MSVOA_N
ClientSampleId :
VN0204WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.3	110.1	165.1
98	63.4	50.0	75.0

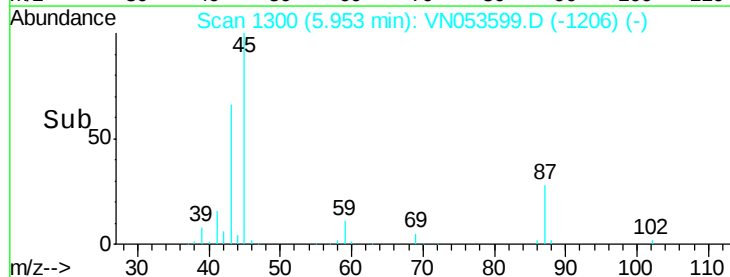
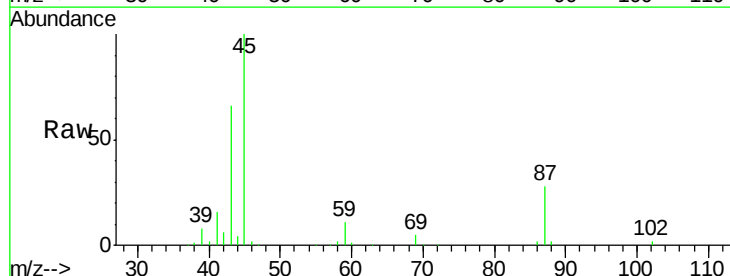
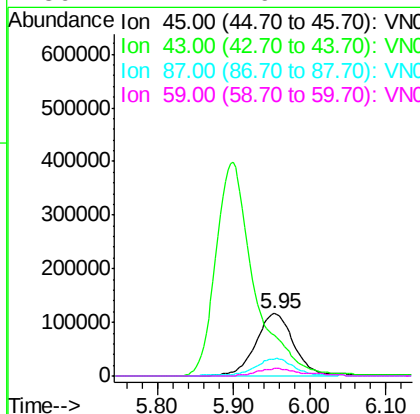
Manual Integrations
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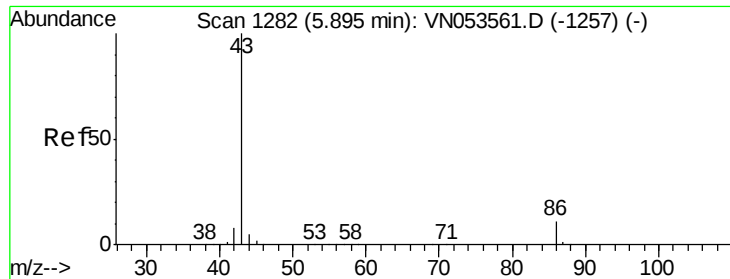
MMDadoda
2/5/2019 9:54:14 AM



#22
Diisopropyl ether
Concen: 20.498 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.7	44.2	66.4
87	26.9	22.7	34.1
59	11.1	9.4	14.2





#23

Vinyl Acetate

Concen: 102.508 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN053599.D

Acq: 4 Feb 2019 16:23

Instrument :

MSVOA_N

ClientSampleId :

VN0204WBSD01

Tot Ion: 43 Resp: 1402312

Ion Ratio Lower Upper

43 100

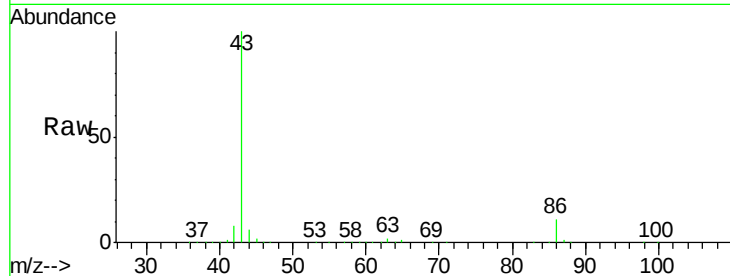
86 11.1 8.4 12.6

Manual Integrations

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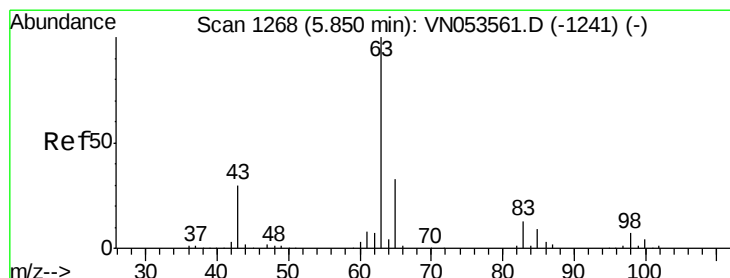
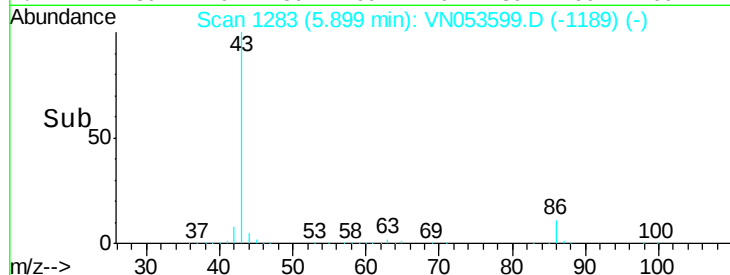
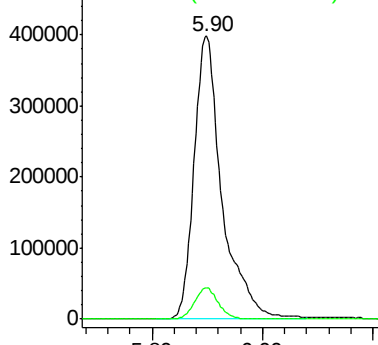
MMDadoda

2/5/2019 9:54:14 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.250 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN053599.D

Acq: 4 Feb 2019 16:23

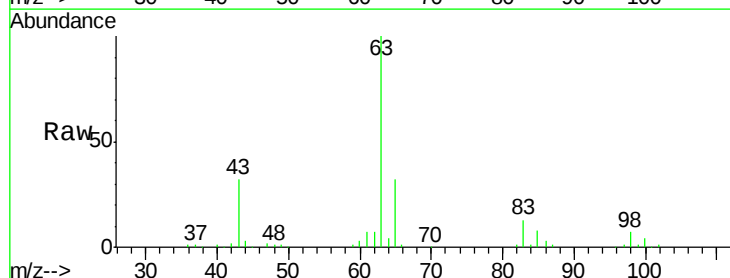
Tgt Ion: 63 Resp: 267091

Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.9

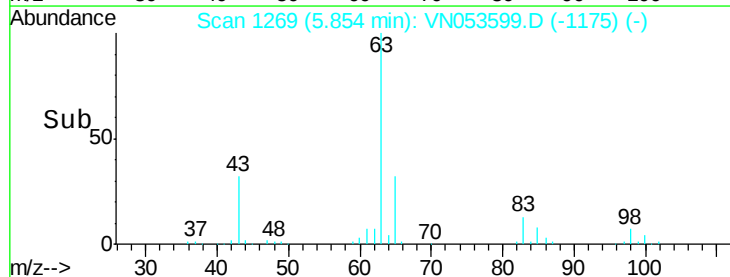
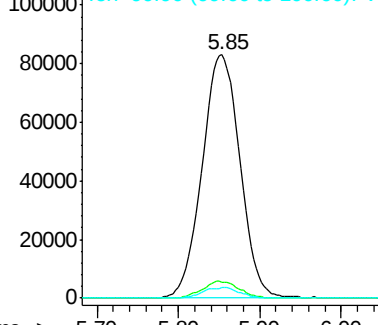
100 4.2 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





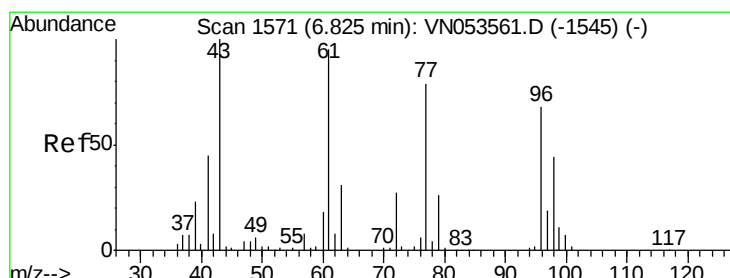
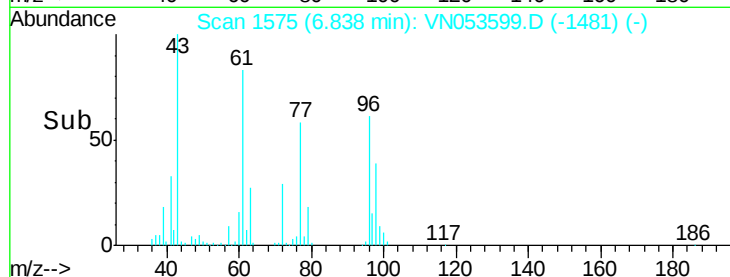
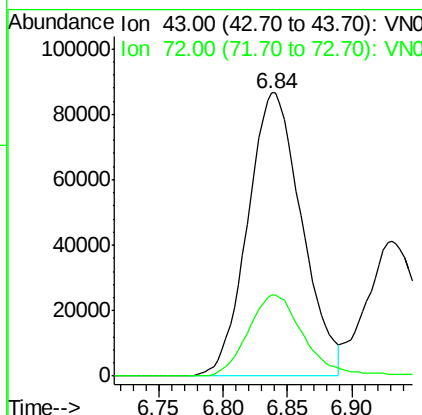
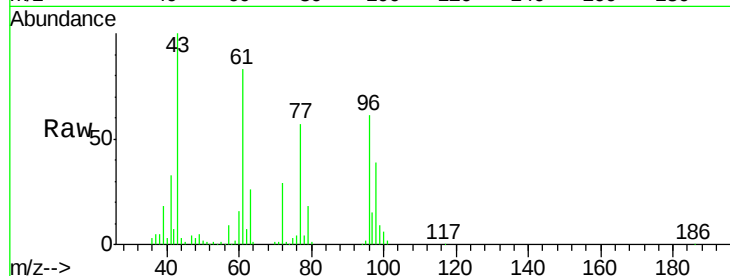
#25
2-Butanone
Concen: 94.409 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

Instrument :
MSVOA_N
ClientSampleId :
VN0204WBSD01

Tot Ion: 43 Resp: 250791
Ion Ratio Lower Upper
43 100
72 28.9 22.0 33.0

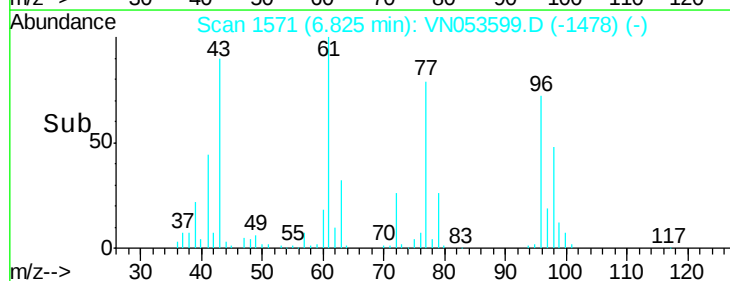
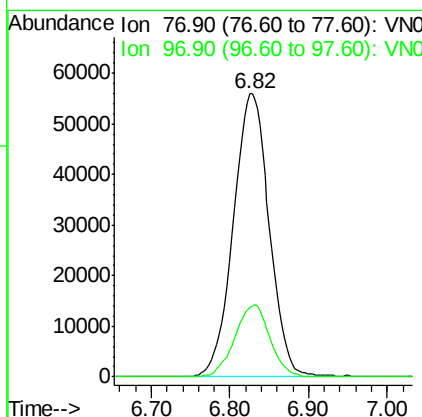
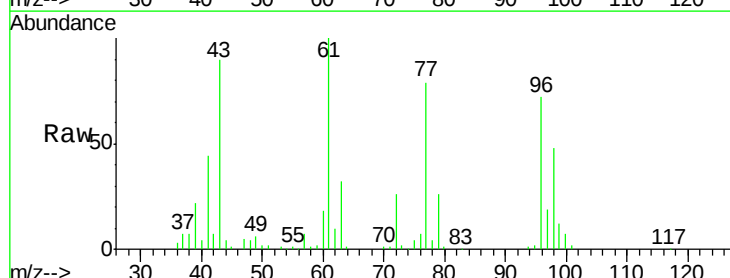
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2/5/2019 9:54:14 AM



#26
2,2-Dichloropropane
Concen: 17.752 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

Tgt Ion: 77 Resp: 178738
Ion Ratio Lower Upper
77 100
97 24.9 12.2 36.6





#27

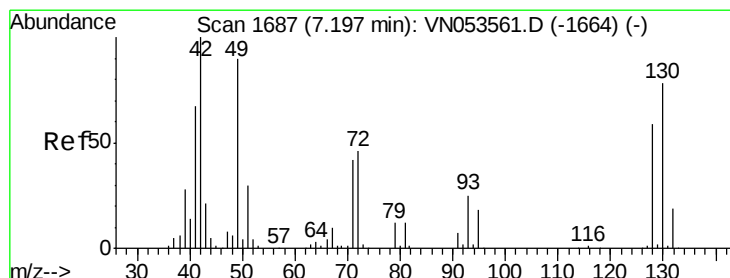
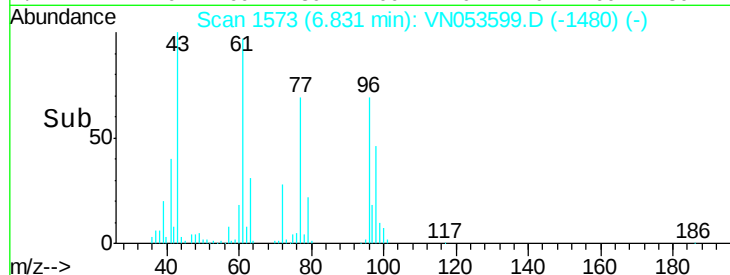
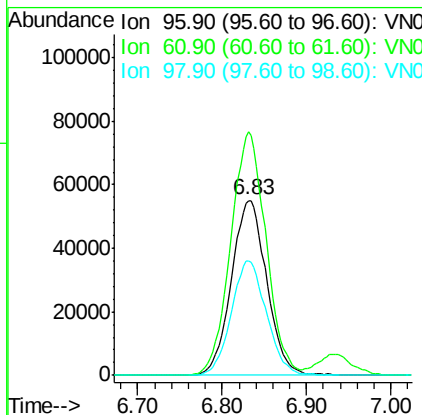
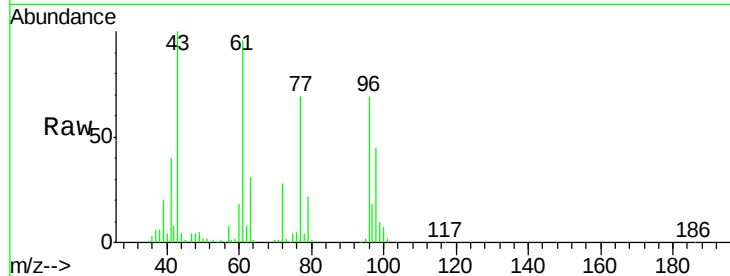
cis-1,2-Dichloroethene
Concen: 19.985 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

Instrument :
MSVOA_N
ClientSampleId :
VN0204WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	160699		
61	138.7	0.0	283.8	
98	65.1	0.0	129.2	

Manual Integrations
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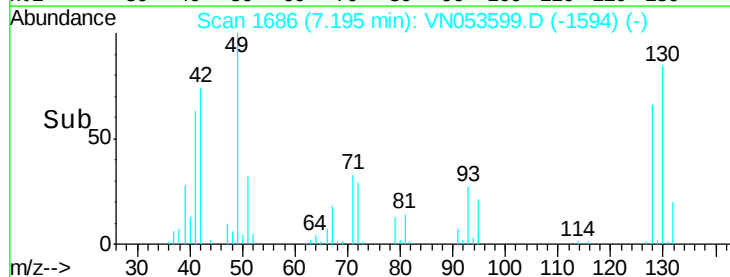
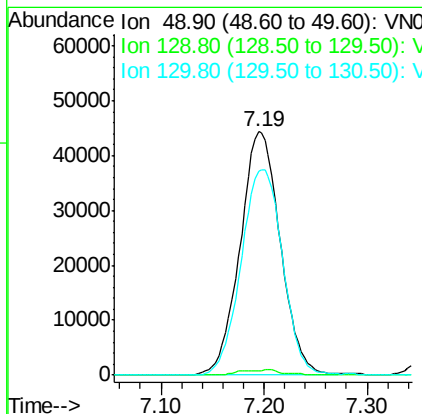
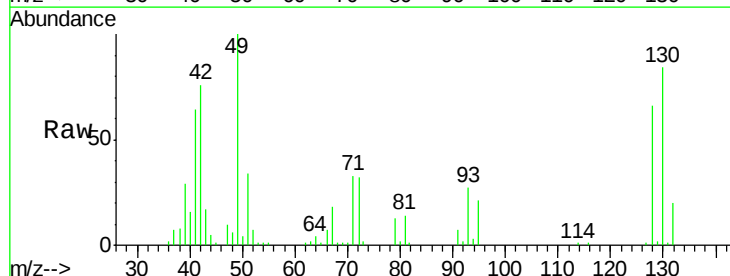
MMDadoda
2/5/2019 9:54:14 AM

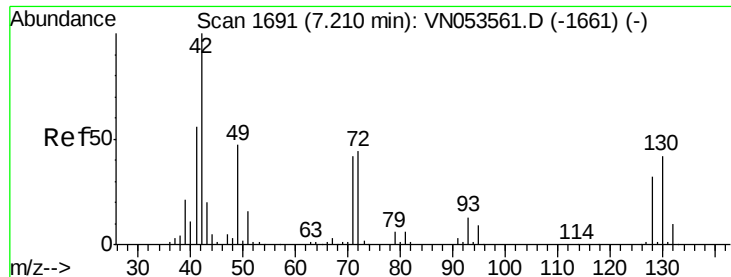


#28

Bromochloromethane
Concen: 20.993 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	120157		
129	1.2	0.0	4.0	
130	87.3	66.3	99.5	





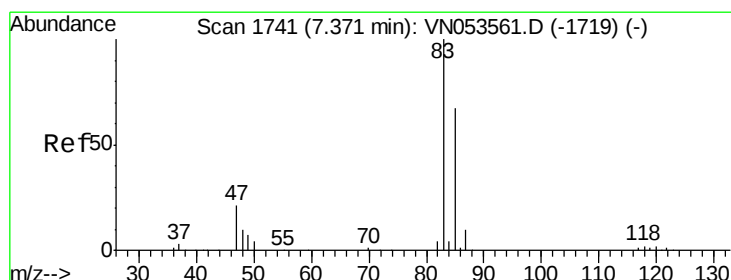
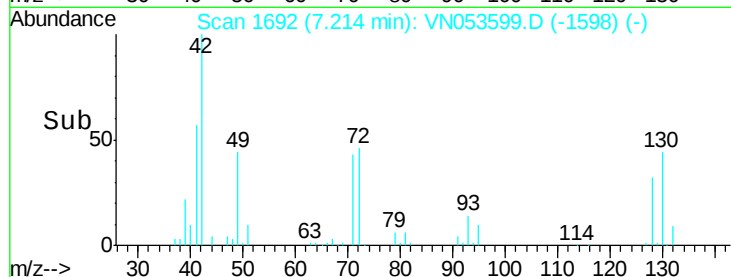
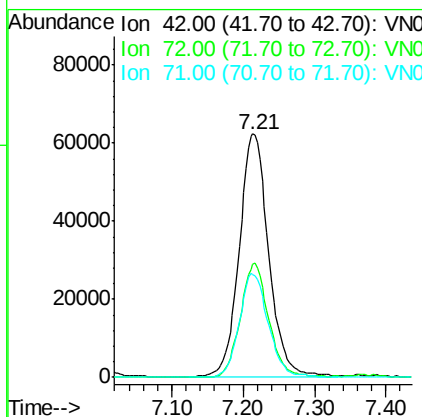
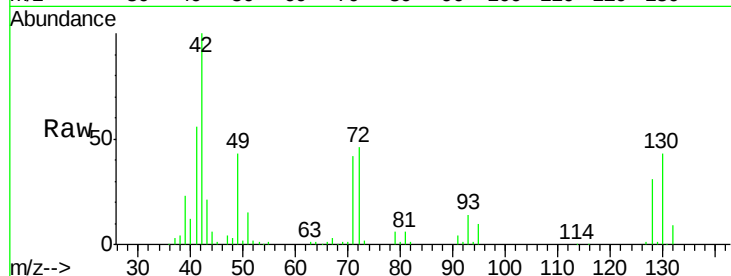
#29
Tetrahydrofuran
Concen: 105.638 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

Instrument :
MSVOA_N
ClientSampleId :
VN0204WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.8	35.2	52.8
71	41.7	33.0	49.4

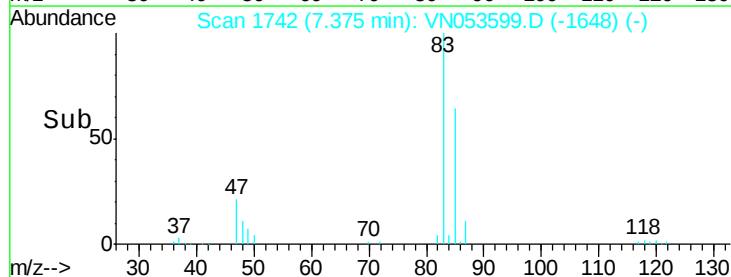
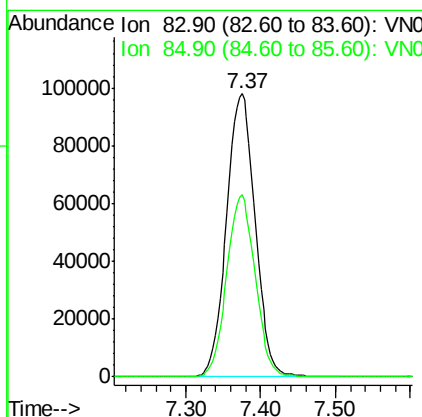
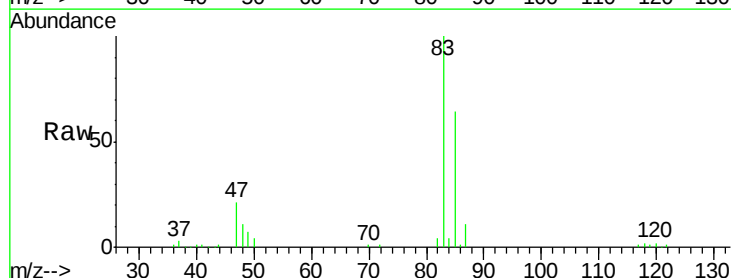
Manual Integrations
APPROVED

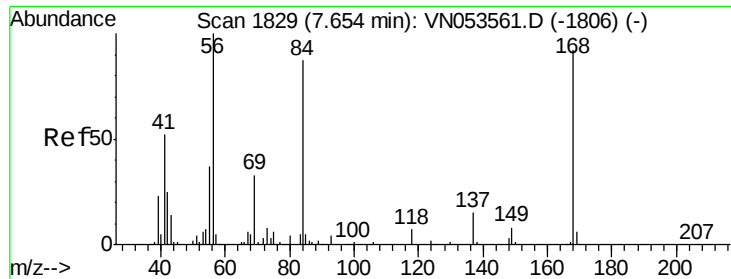
MMDadoda
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#30
Chloroform
Concen: 19.974 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.2	78.2





#31

Cyclohexane

Concen: 19.282 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053599.D

Acq: 4 Feb 2019 16:23

Instrument :

MSVOA_N

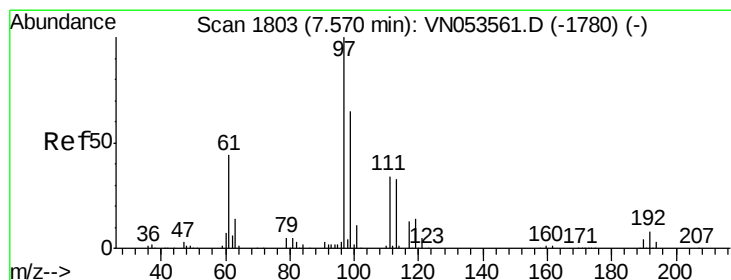
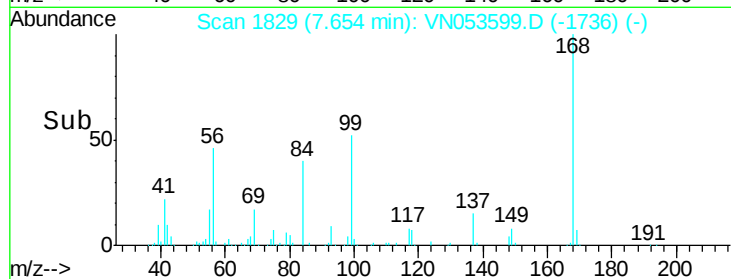
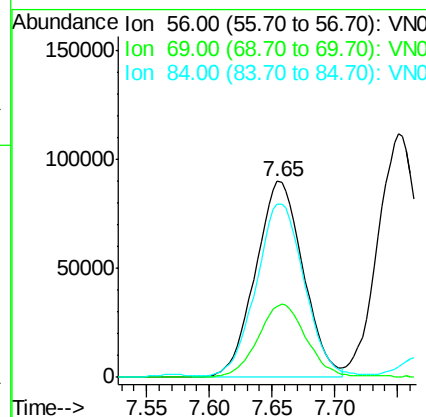
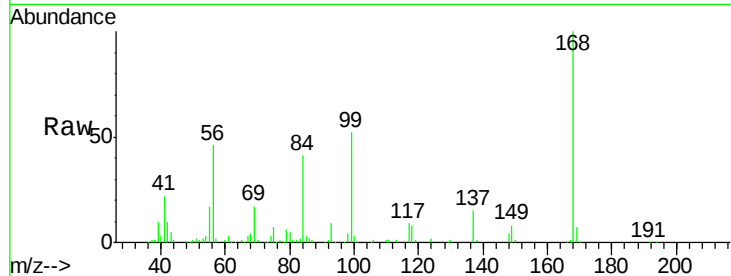
ClientSampleId :

VN0204WBSD01

Tot Ion:	56	Resp:	238067
Ion Ratio	Lower	Upper	
56	100		
69	36.5	26.4	39.6
84	87.3	67.9	101.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.500 ug/l

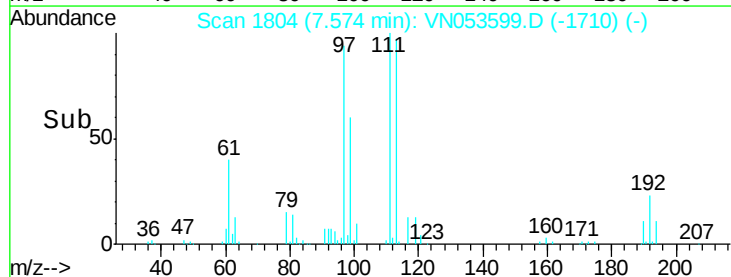
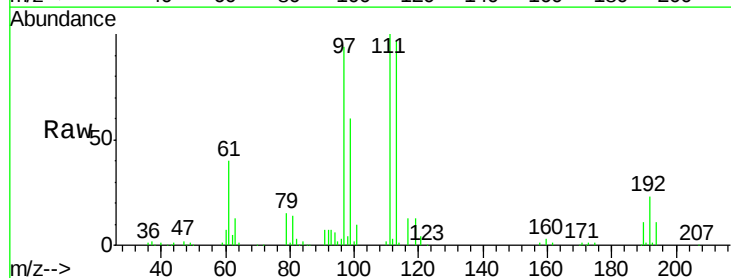
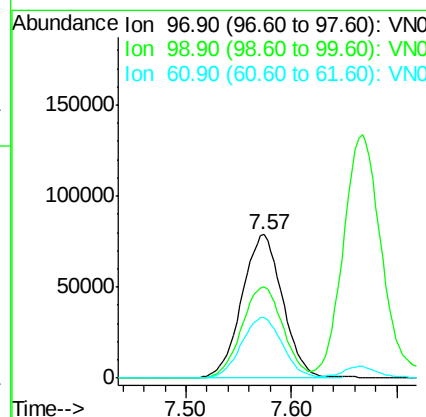
RT: 7.57 min Scan# 1804

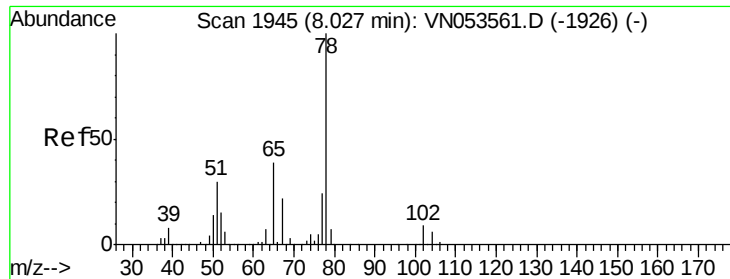
Delta R.T. 0.00 min

Lab File: VN053599.D

Acq: 4 Feb 2019 16:23

Tgt Ion:	97	Resp:	212179
Ion Ratio	Lower	Upper	
97	100		
99	64.5	52.0	78.0
61	42.6	34.4	51.6





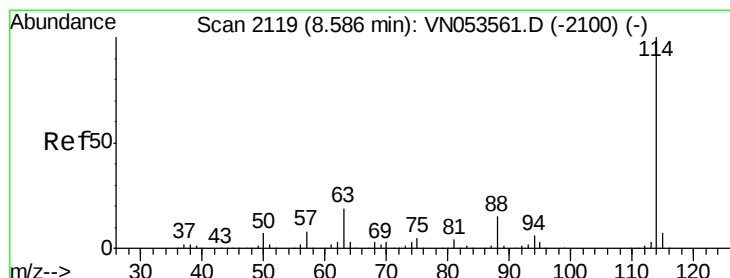
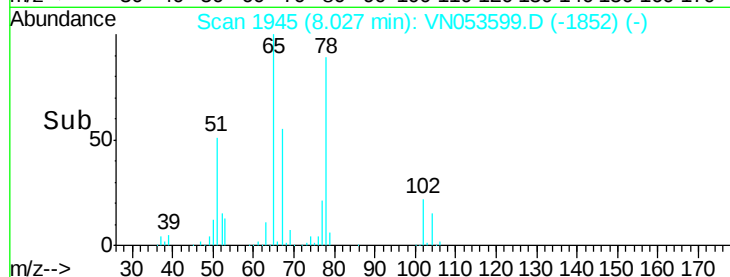
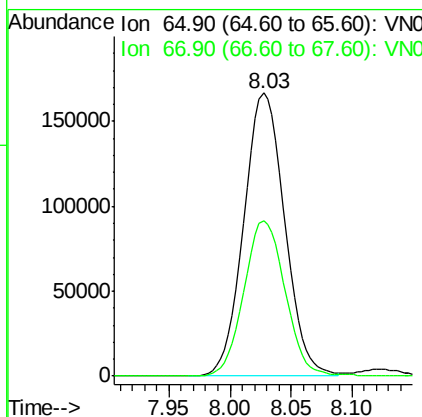
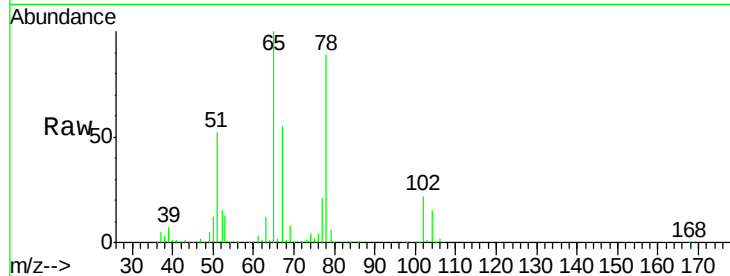
#33
 1,2-Dichloroethane-d4
 Concen: 19.500 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053599.D
 Acq: 4 Feb 2019 16:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.5	0.0	111.2	

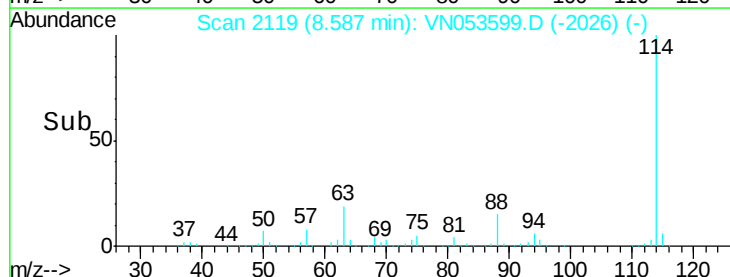
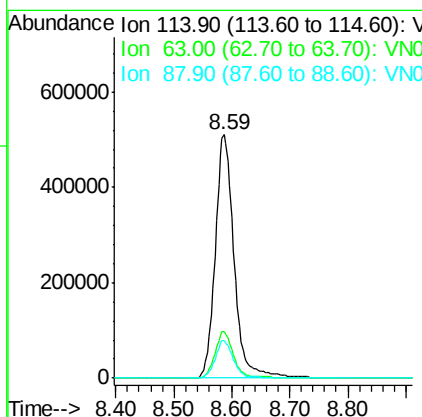
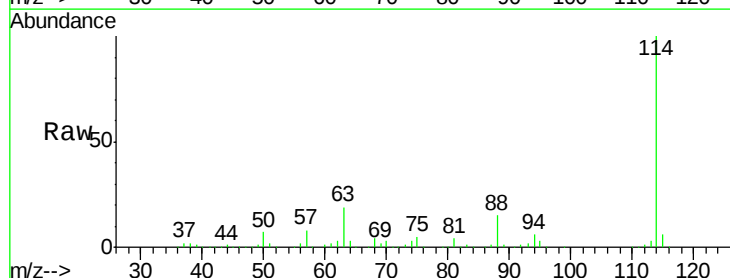
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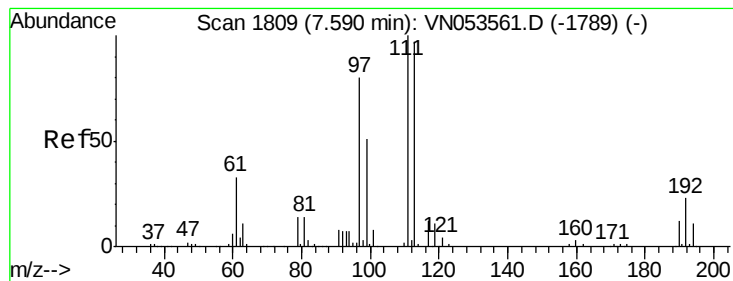
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 2/5/2019 9:54:14 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053599.D
 Acq: 4 Feb 2019 16:23

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.1	0.0	38.6	
88	15.3	0.0	30.4	





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN053599.D

Acq: 4 Feb 2019 16:23

Instrument :

MSVOA_N

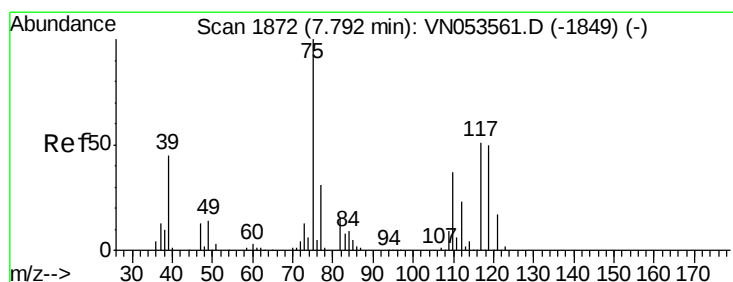
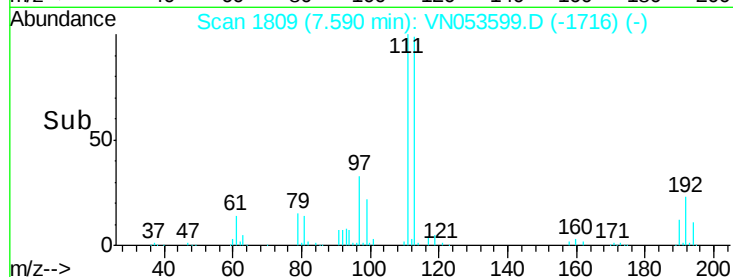
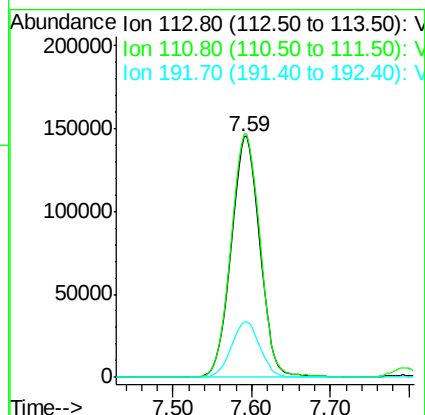
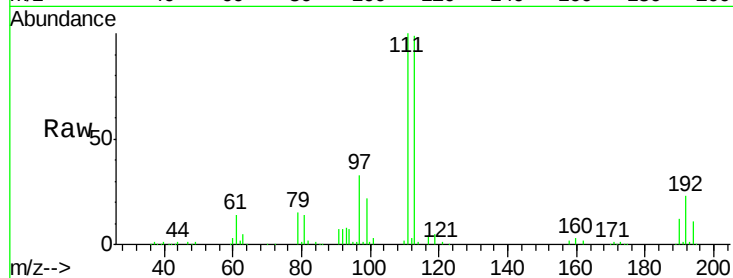
ClientSampleId :

VN0204WBSD01

Tot Ion:	113	Resp:	366390
Ion Ratio	Lower	Upper	
113	100		
111	102.7	81.1	121.7
192	23.1	18.2	27.2

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#36

1,1-Dichloropropene

Concen: 19.024 ug/l

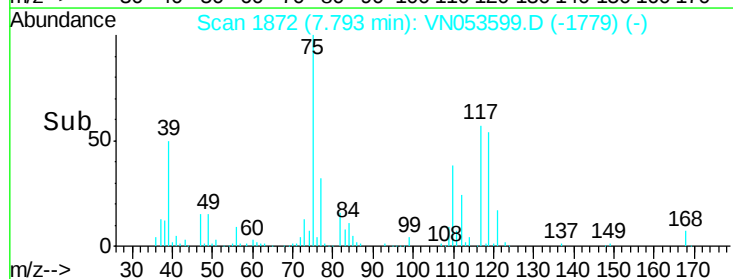
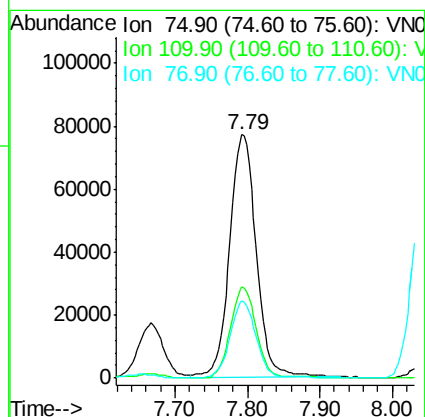
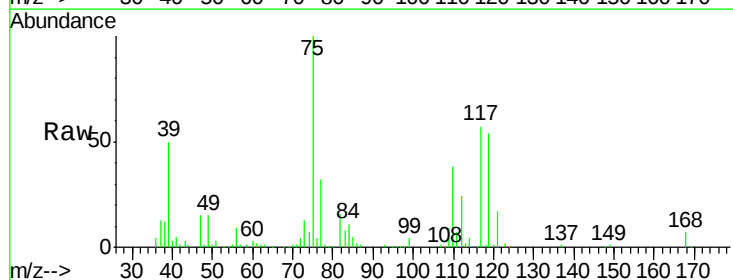
RT: 7.79 min Scan# 1872

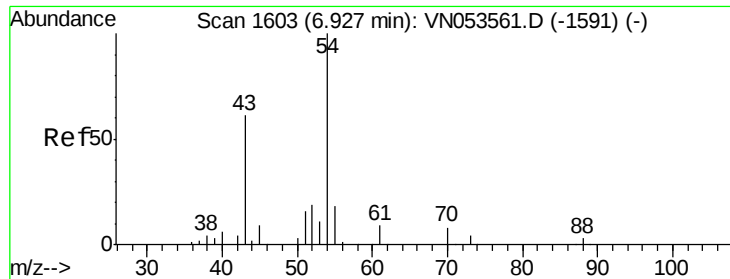
Delta R.T. 0.00 min

Lab File: VN053599.D

Acq: 4 Feb 2019 16:23

Tgt Ion:	75	Resp:	197730
Ion Ratio	Lower	Upper	
75	100		
110	36.4	18.1	54.3
77	31.2	25.1	37.7





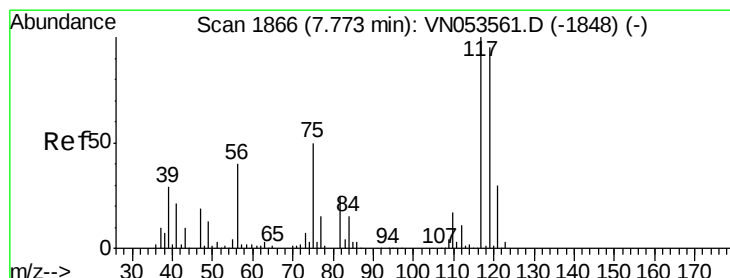
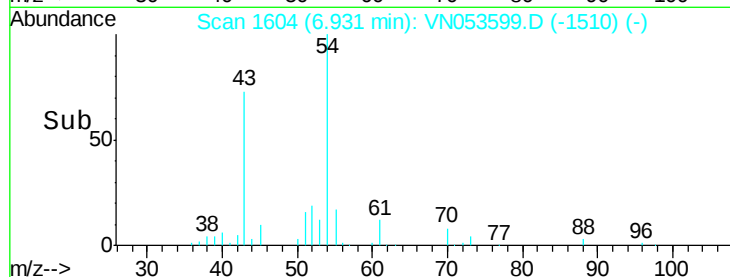
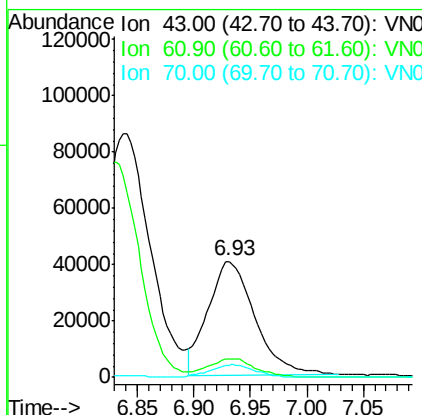
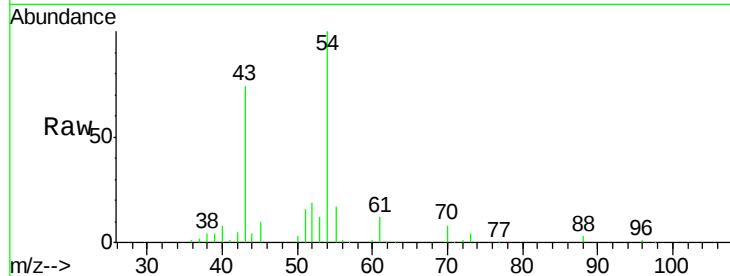
#37
Ethyl Acetate
Concen: 20.141 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

Instrument :
MSVOA_N
ClientSampleId :
VN0204WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	11.8	17.6
70	10.6	8.6	12.8

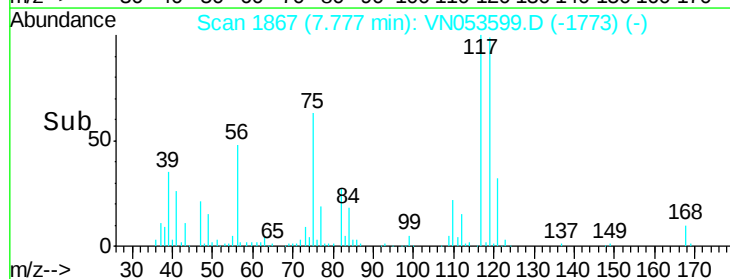
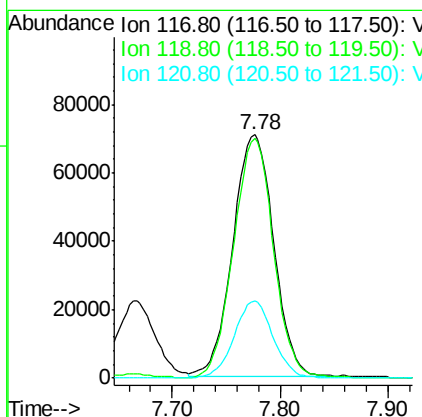
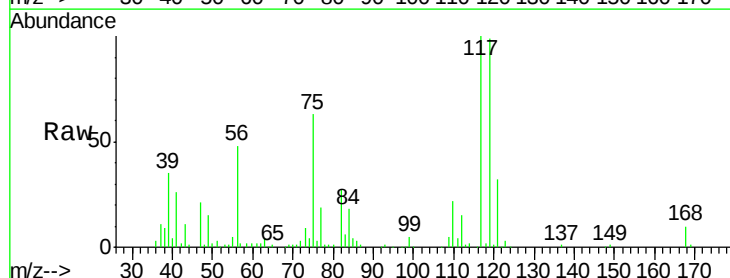
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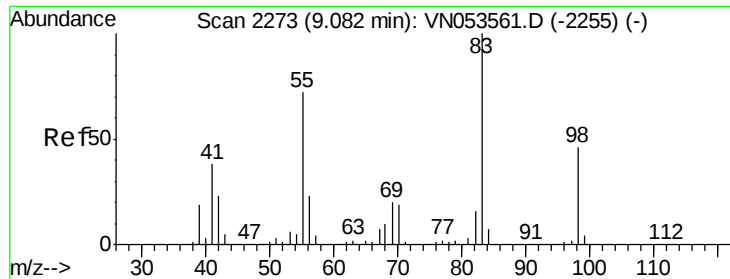
MMDadoda
2/5/2019 9:54:14 AM



#38
Carbon Tetrachloride
Concen: 17.787 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.5	77.2	115.8
121	32.1	24.6	37.0





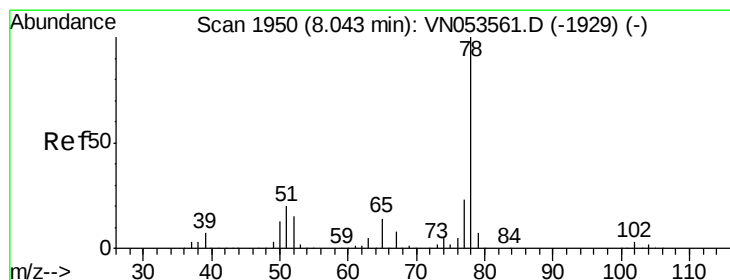
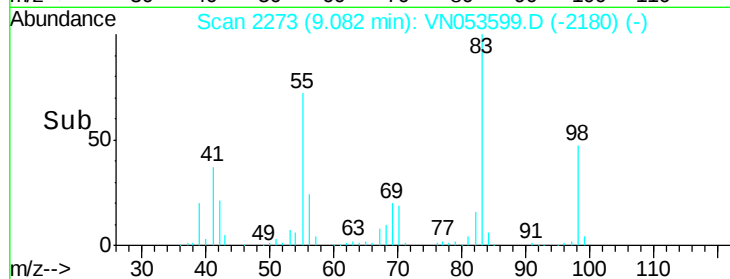
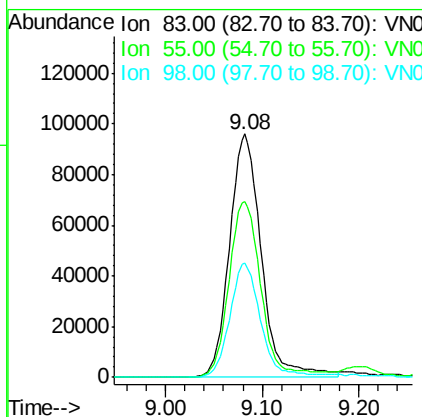
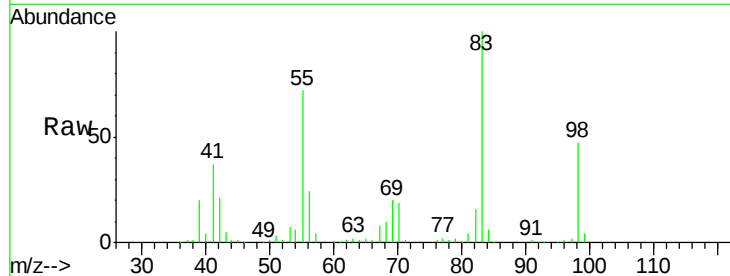
#39
Methvlcvclohexane
Concen: 17.843 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

Instrument :
MSVOA_N
ClientSampleId :
VN0204WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	72.0		60.1	90.1
98	46.9		36.6	55.0

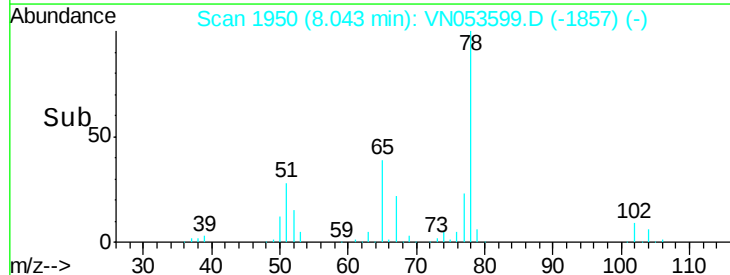
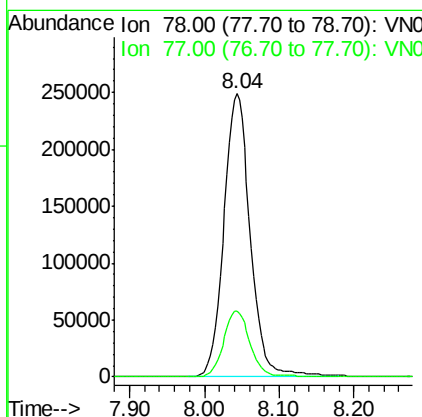
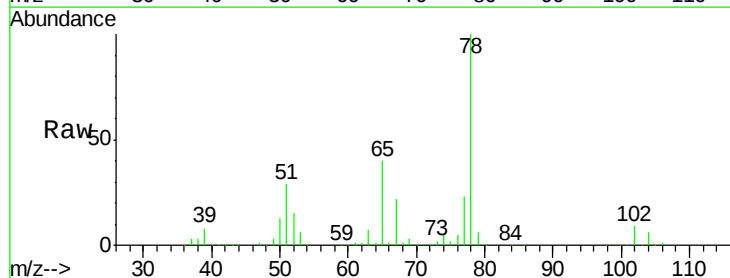
Manual Integrations
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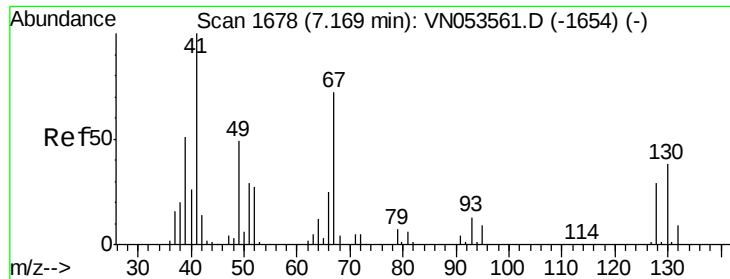
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#40
Benzene
Concen: 18.944 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.1		18.8	28.2





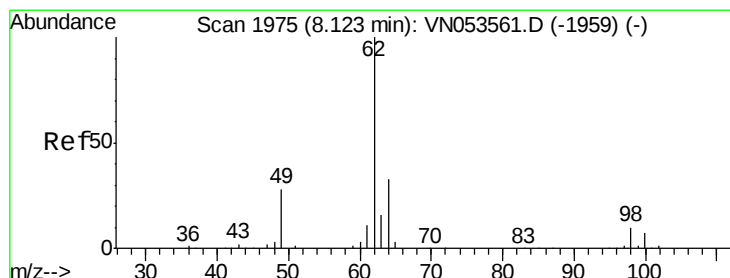
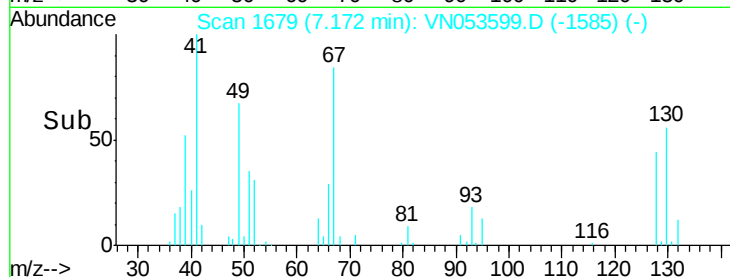
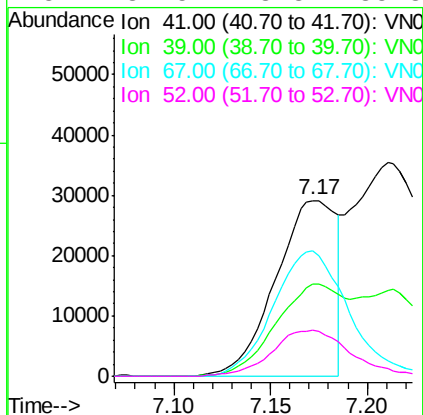
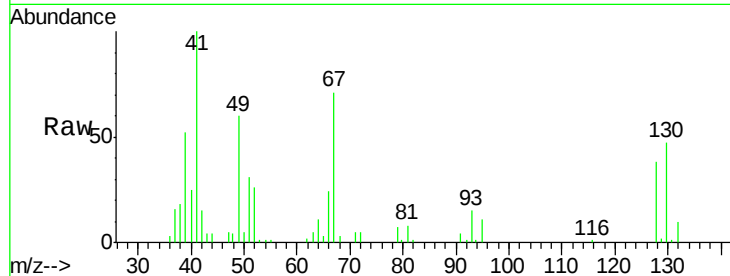
#41
Methacrylonitrile
Concen: 19.518 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

Instrument :
MSVOA_N
ClientSampleId :
VN0204WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	60.1	46.8	70.2	
67	90.1	63.0	94.6	
52	34.5	23.8	35.8	

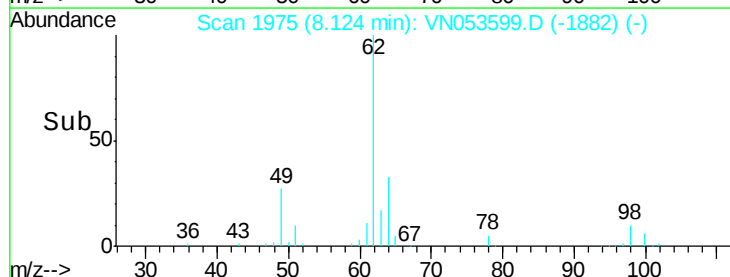
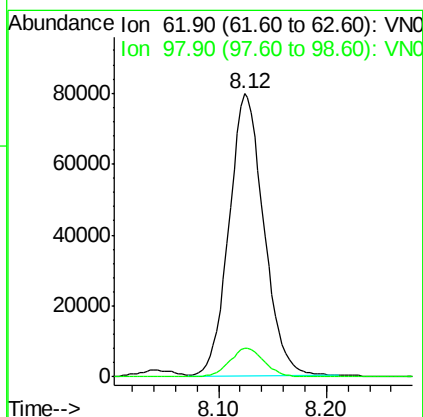
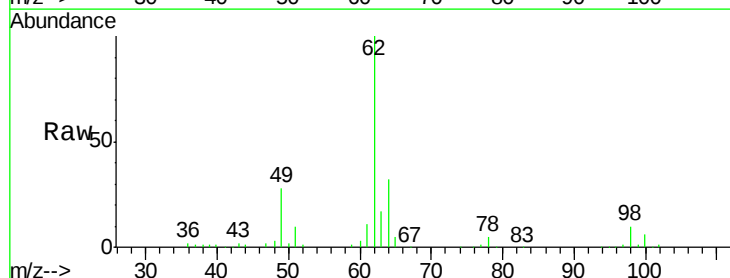
Manual Integrations
APPROVED

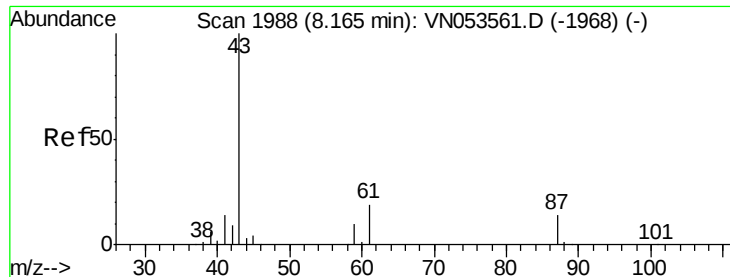
MMDadoda
2/5/2019 9:54:14 AM



#42
1,2-Dichloroethane
Concen: 18.788 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.2	0.0	19.6	





#43

Isopropyl Acetate

Concen: 18.927 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053599.D

Acq: 4 Feb 2019 16:23

Instrument :

MSVOA_N

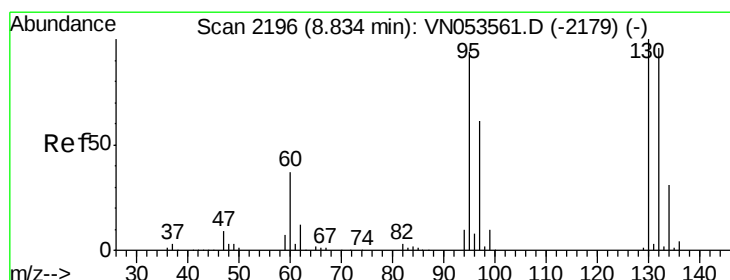
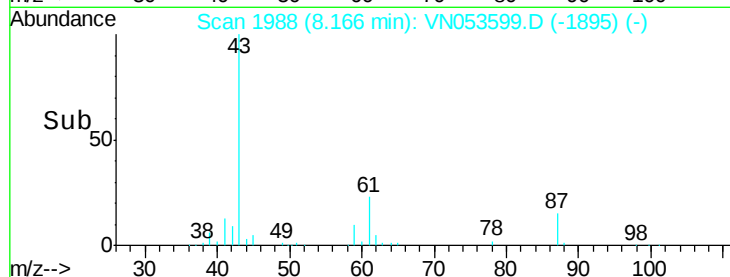
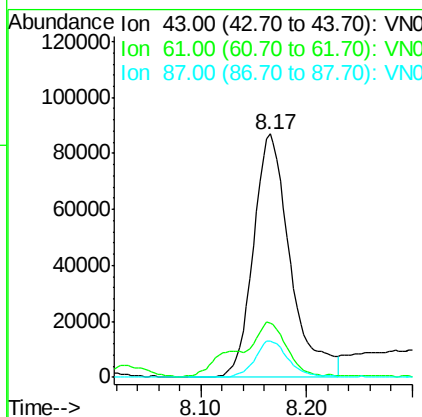
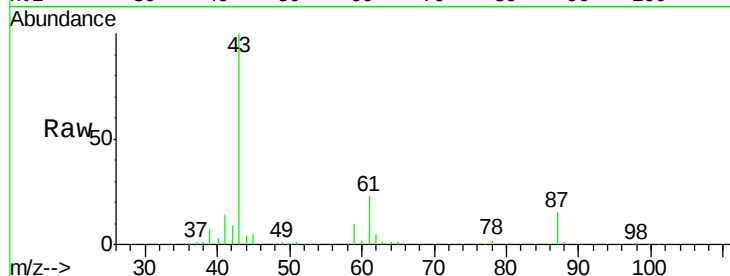
ClientSampleId :

VN0204WBSD01

Tot Ion:	43	Resp:	212176
Ion	Ratio	Lower	Upper
43	100		
61	18.3	23.9	35.9#
87	13.7	11.0	16.6

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#44

Trichloroethene

Concen: 18.541 ug/l

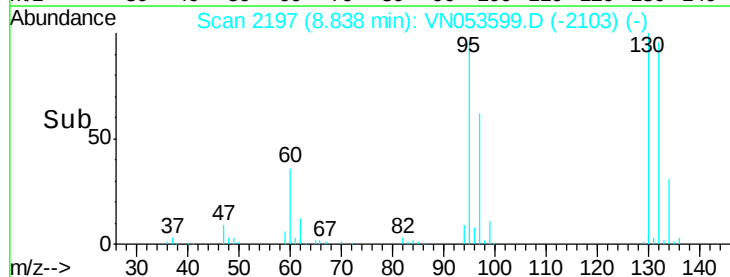
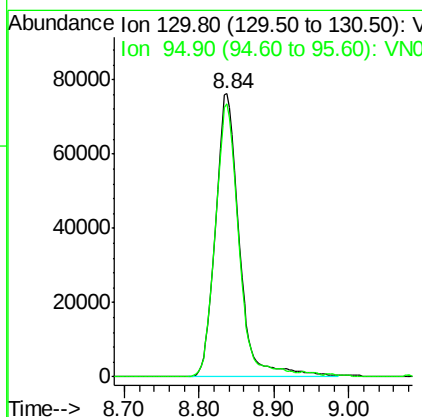
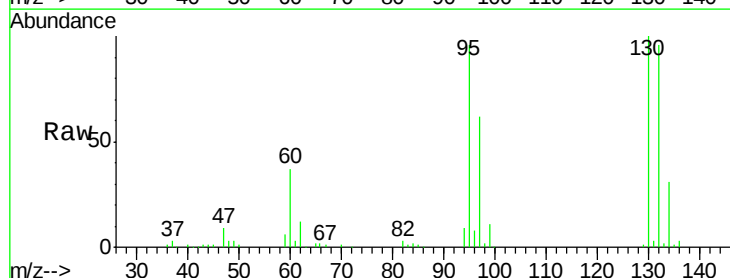
RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN053599.D

Acq: 4 Feb 2019 16:23

Tgt Ion:	130	Resp:	169184
Ion	Ratio	Lower	Upper
130	100		
95	96.4	0.0	191.4





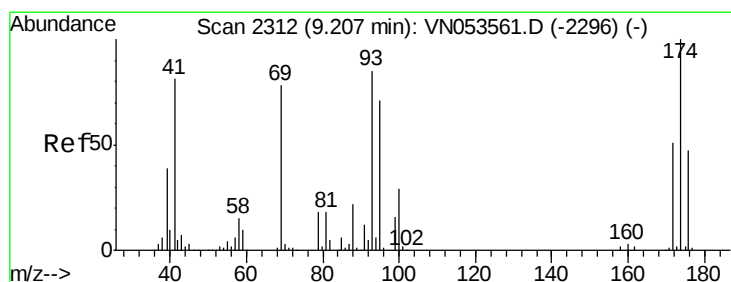
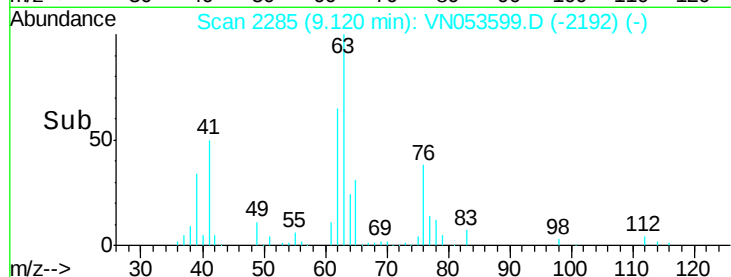
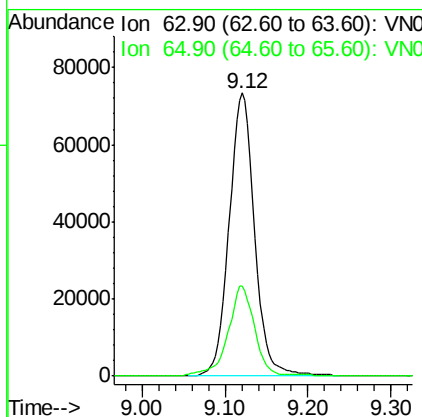
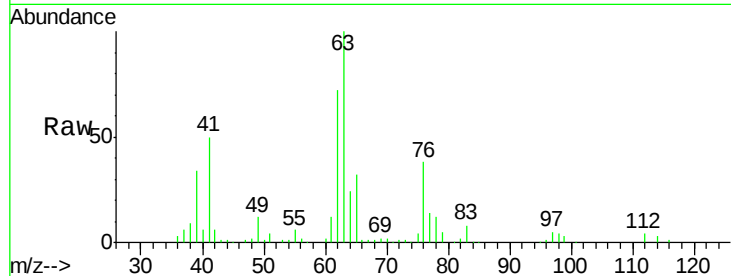
#45
 1,2-Dichloropropane
 Concen: 19.221 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053599.D
 Acq: 4 Feb 2019 16:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204WBSD01

Tot Ion: 63 Resp: 157575
 Ion Ratio Lower Upper
 63 100
 65 31.9 25.0 37.4

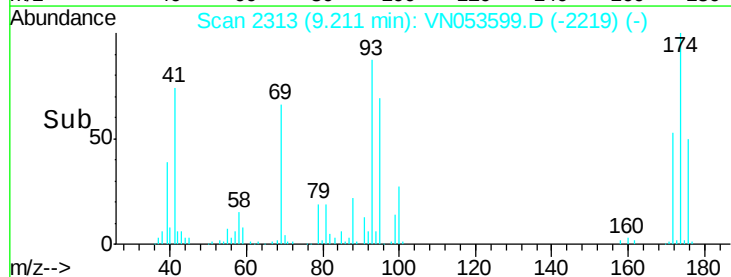
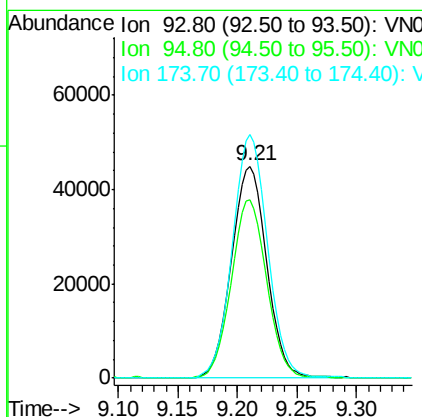
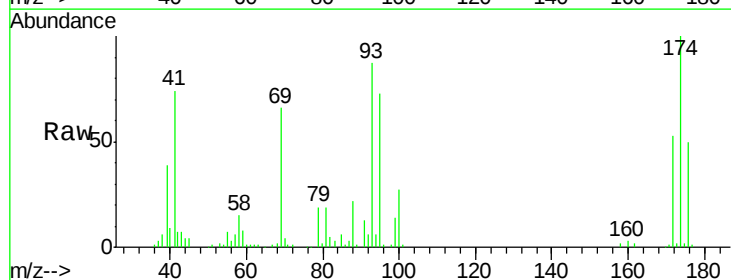
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 2/5/2019 9:54:14 AM



#46
 Dibromomethane
 Concen: 18.811 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053599.D
 Acq: 4 Feb 2019 16:23

Tgt Ion: 93 Resp: 92962
 Ion Ratio Lower Upper
 93 100
 95 83.9 67.3 100.9
 174 114.2 91.0 136.4





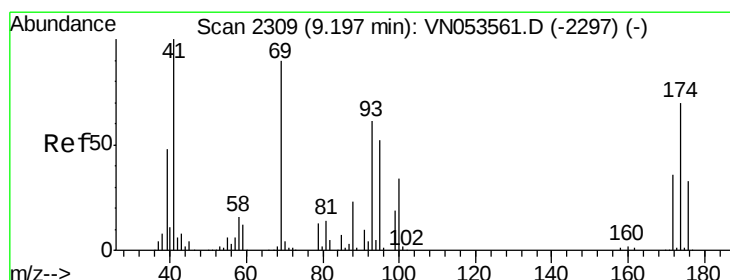
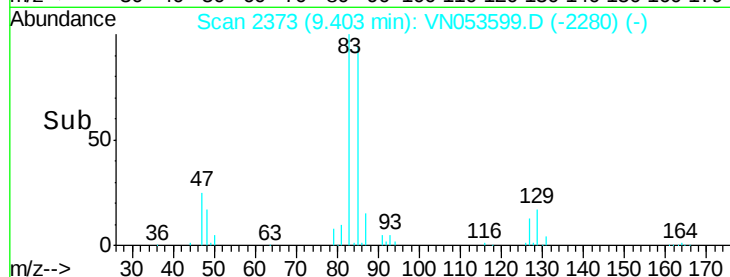
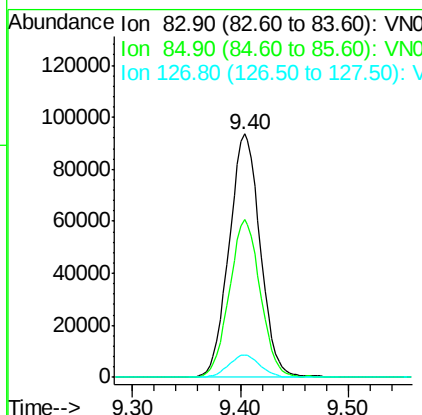
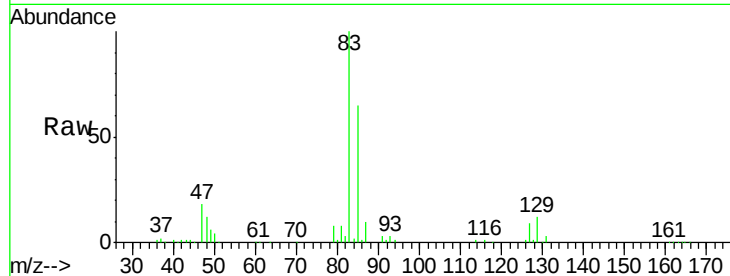
#47
Bromodichloromethane
Concen: 18.371 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

Instrument :
MSVOA_N
ClientSampleId :
VN0204WBSD01

Tot Ion	83	Resp	188762
Ion Ratio	100		
83	100		
85	64.6	51.0	76.6
127	9.2	7.0	10.6

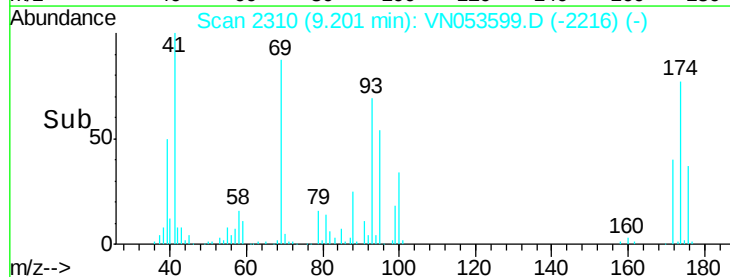
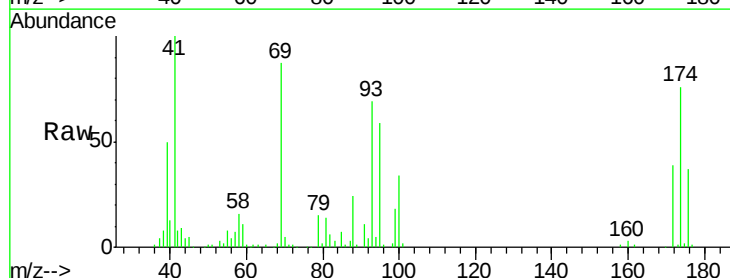
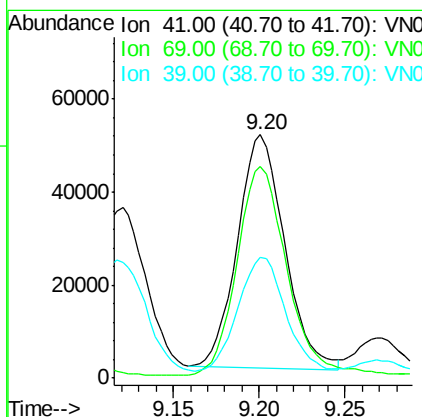
Manual Integrations
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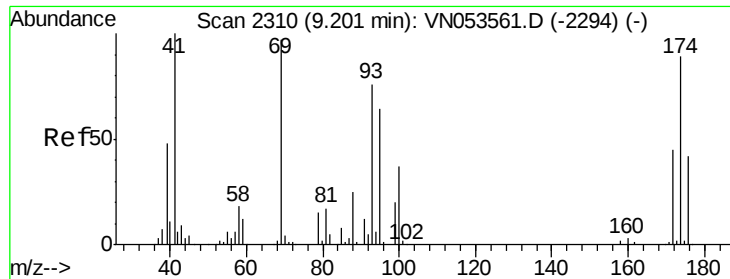
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2/5/2019 9:54:14 AM



#48
Methyl methacrylate
Concen: 17.937 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

Tgt Ion	41	Resp	95986
Ion Ratio	100		
41	100		
69	99.5	73.8	110.6
39	55.2	40.0	60.0





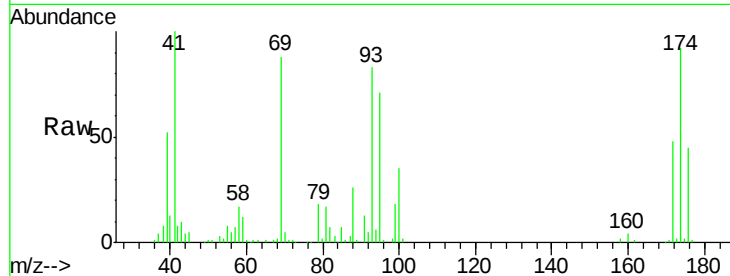
#49
1,4-Dioxane
Concen: 389.332 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

Instrument :
MSVOA_N
ClientSampleId :
VN0204WBSD01

Tot Ion	88	Resp	28262
Ion	Ratio	Lower	Upper
88	100		
43	29.6	27.8	41.6
58	70.5	56.5	84.7

Manual Integrations
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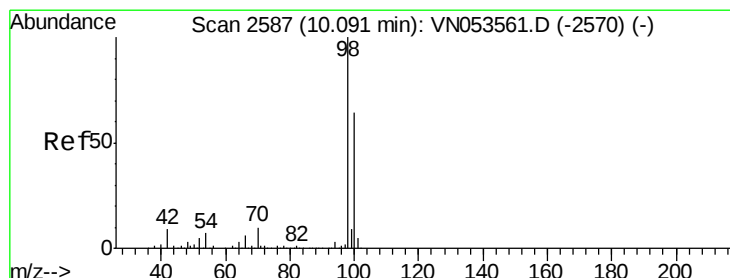
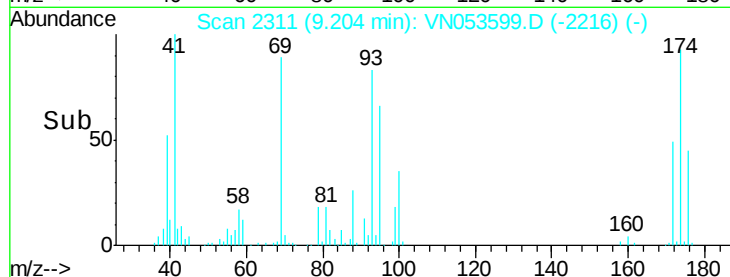
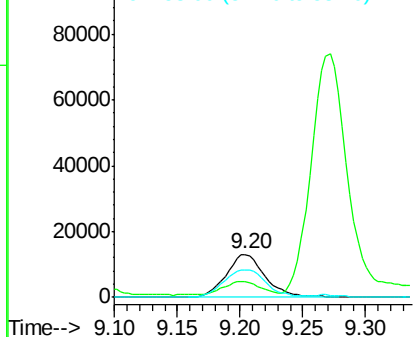


Abundance

Ion 88.00 (87.70 to 88.70): VN0

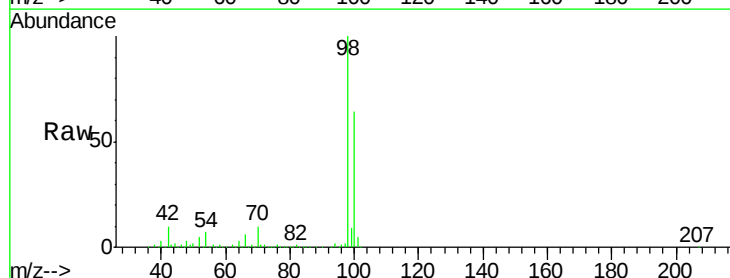
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
Toluene-d8
Concen: 389.332 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

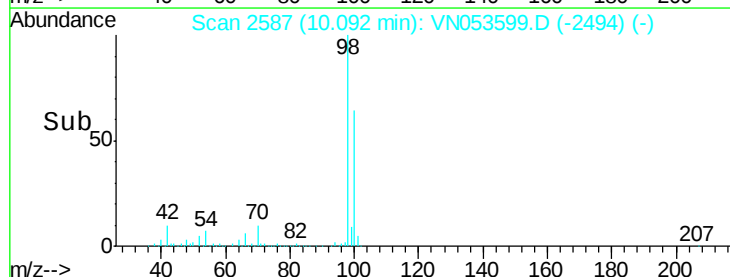
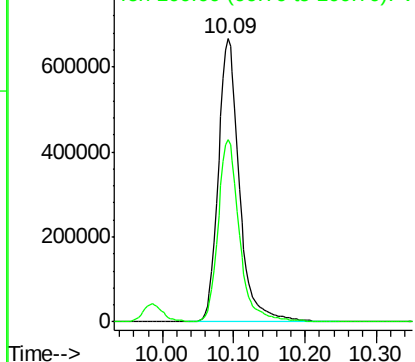
Tgt Ion	98	Resp	1365435
Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.4	77.0



Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 97.030 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053599.D

Acq: 4 Feb 2019 16:23

Instrument :

MSVOA_N

ClientSampleId :

VN0204WBSD01

Tot Ion: 43 Resp: 534523

Ion Ratio Lower Upper

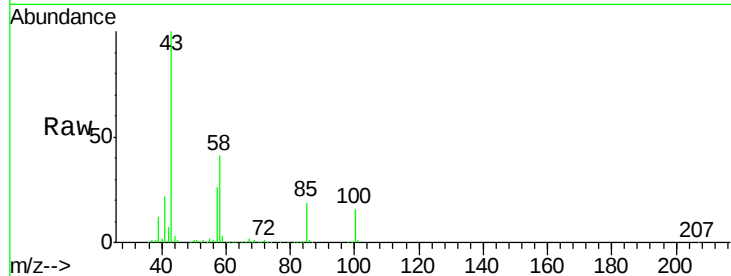
43 100

58 41.1 32.8 49.2

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

250000

200000

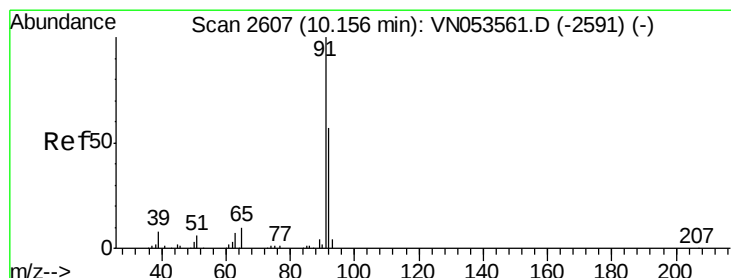
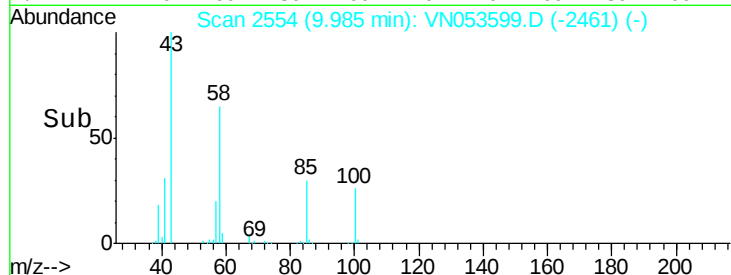
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.100 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053599.D

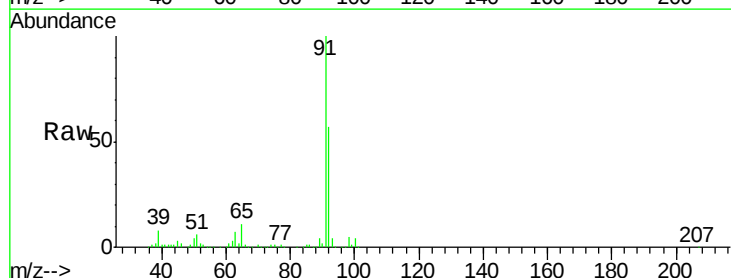
Acq: 4 Feb 2019 16:23

Tgt Ion: 92 Resp: 363326

Ion Ratio Lower Upper

92 100

91 175.9 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

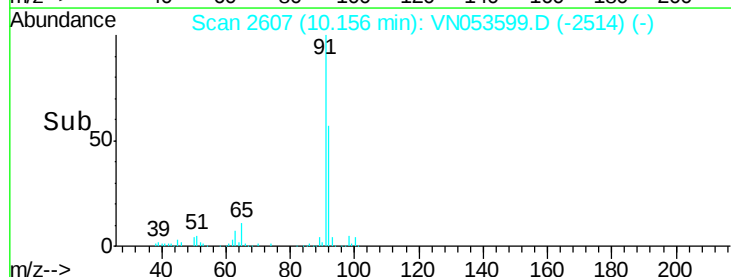
300000

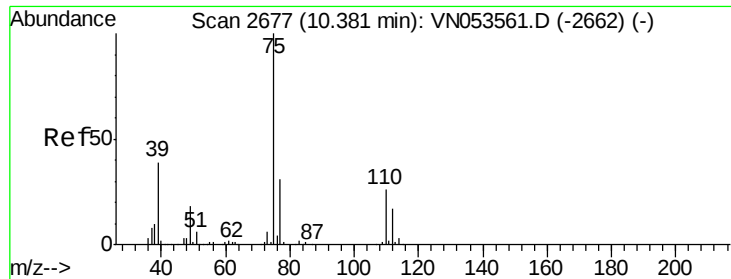
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 17.981 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053599.D

Acq: 4 Feb 2019 16:23

Instrument :

MSVOA_N

ClientSampleId :

VN0204WBSD01

Tot Ion: 75 Resp: 185007

Ion Ratio Lower Upper

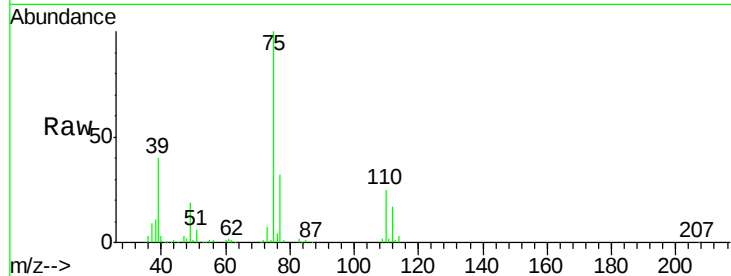
75 100

77 31.5 25.5 38.3

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

120000

100000

80000

60000

40000

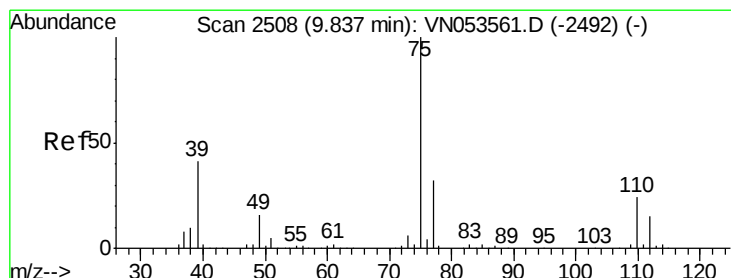
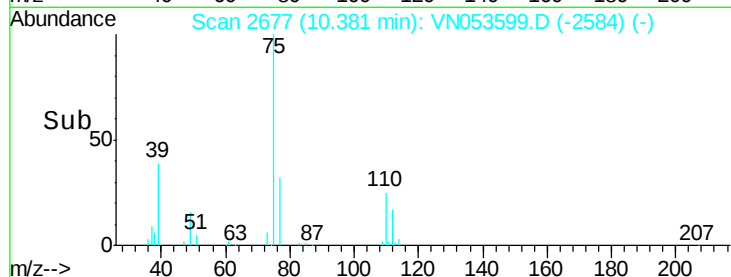
20000

0

10.30

10.40

Time-->



#54

cis-1,3-Dichloropropene

Concen: 18.383 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053599.D

Acq: 4 Feb 2019 16:23

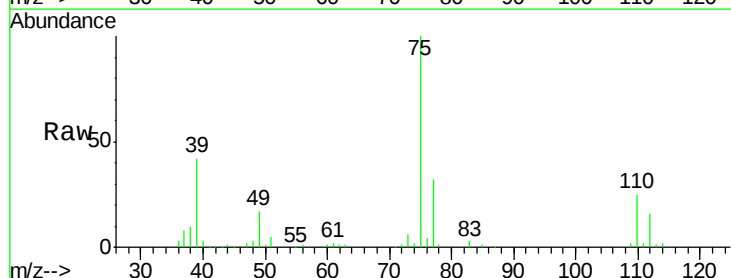
Tgt Ion: 75 Resp: 224126

Ion Ratio Lower Upper

75 100

77 32.3 25.8 38.6

39 41.6 33.4 50.0



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

150000

100000

50000

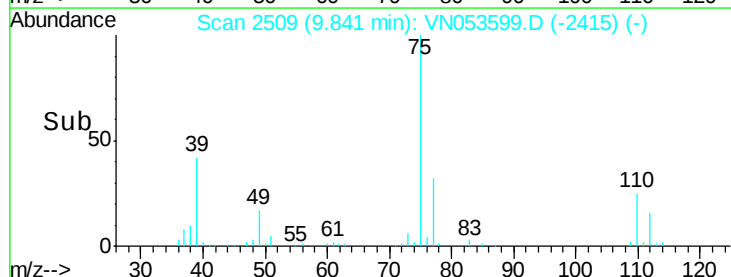
0

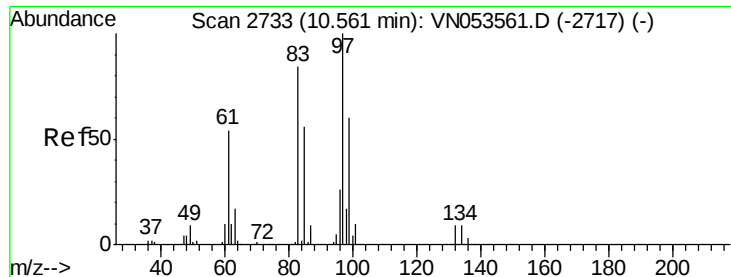
9.80

9.90

10.00

Time-->





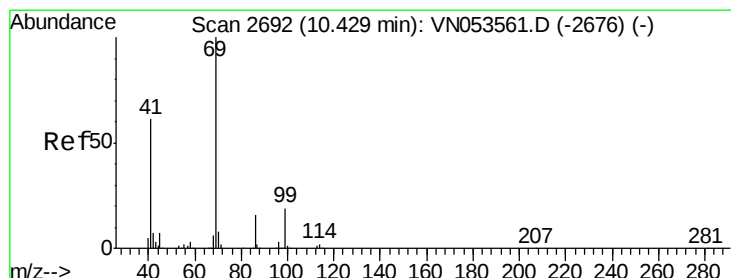
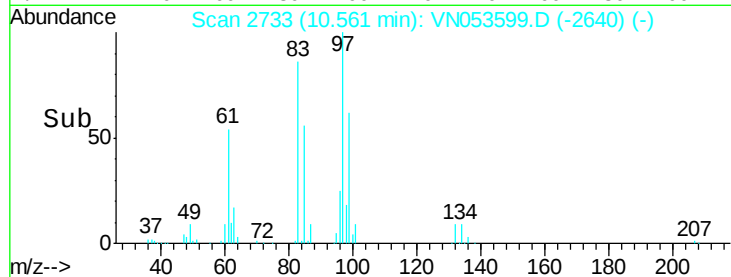
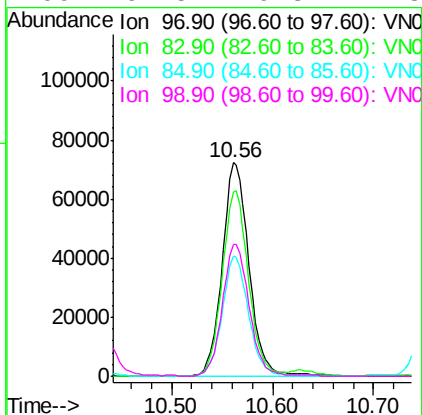
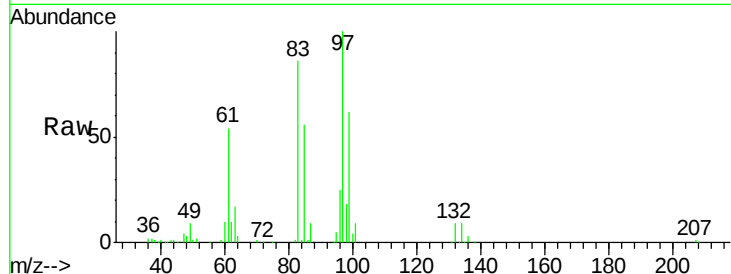
#55
 1,1,2-Trichloroethane
 Concen: 19.609 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053599.D
 Acq: 4 Feb 2019 16:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		134413		
83	86.1	70.1	105.1		
85	56.1	45.4	68.0		
99	61.5	49.8	74.8		

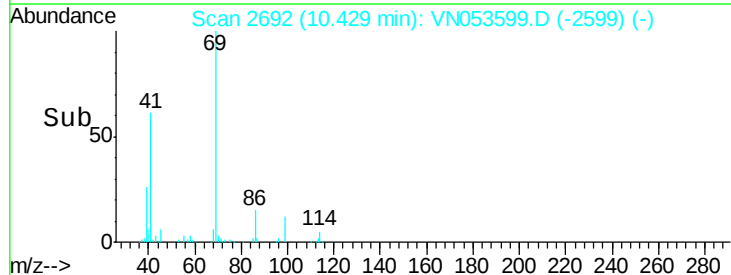
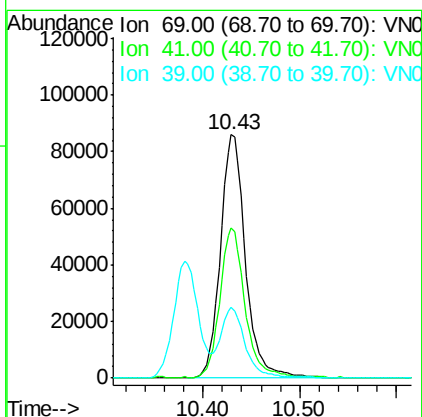
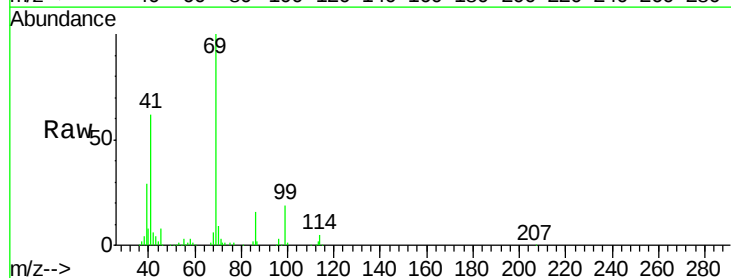
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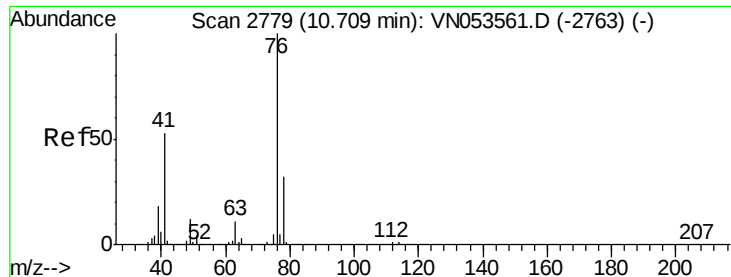
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 2/5/2019 9:54:14 AM



#56
 Ethyl methacrylate
 Concen: 19.112 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053599.D
 Acq: 4 Feb 2019 16:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		154980		
41	60.8	49.4	74.0		
39	27.1	23.3	34.9		





#57

1,3-Dichloropropane

Concen: 19.148 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053599.D

Acq: 4 Feb 2019 16:23

Instrument :

MSVOA_N

ClientSampleId :

VN0204WBSD01

Tot Ion: 76 Resp: 224320

Ion Ratio Lower Upper

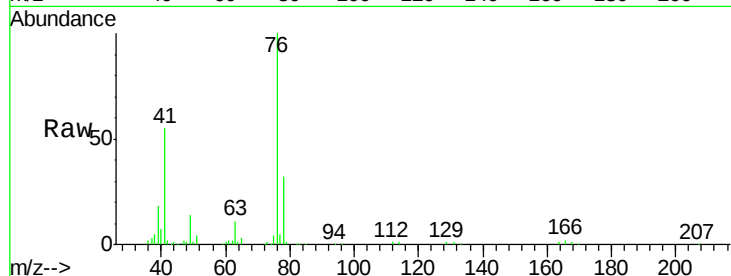
76 100

78 32.0 25.6 38.4

Manual Integrations
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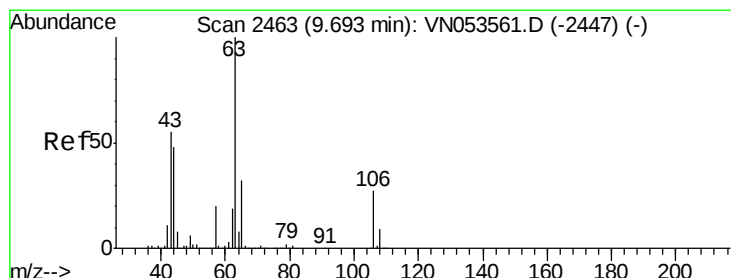
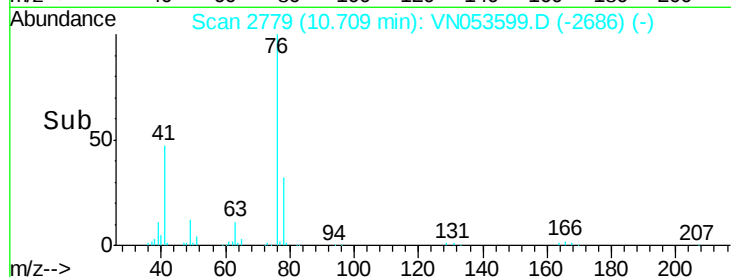
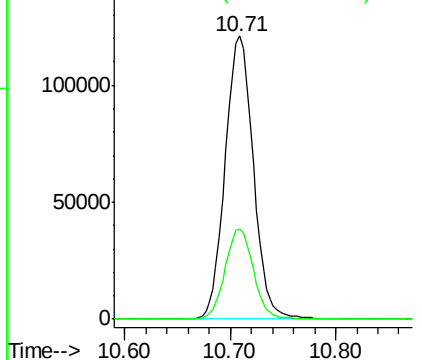
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 93.216 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053599.D

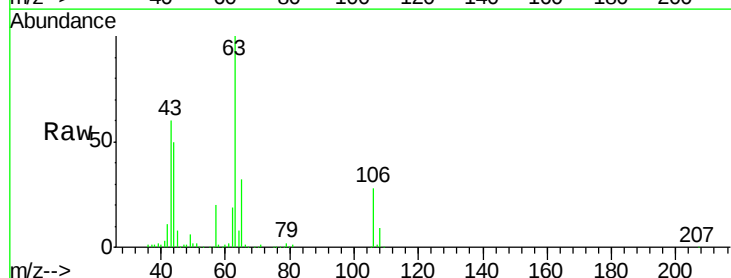
Acq: 4 Feb 2019 16:23

Tgt Ion: 63 Resp: 442686

Ion Ratio Lower Upper

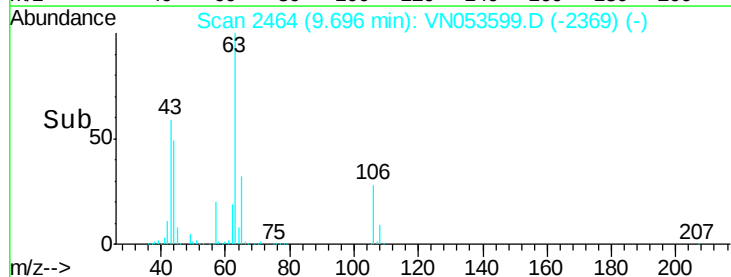
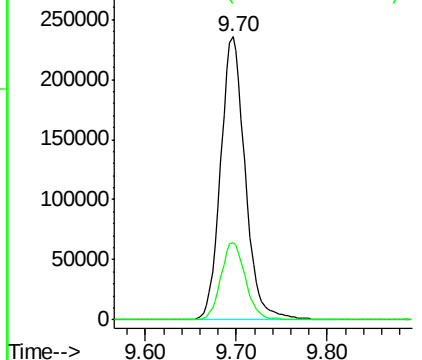
63 100

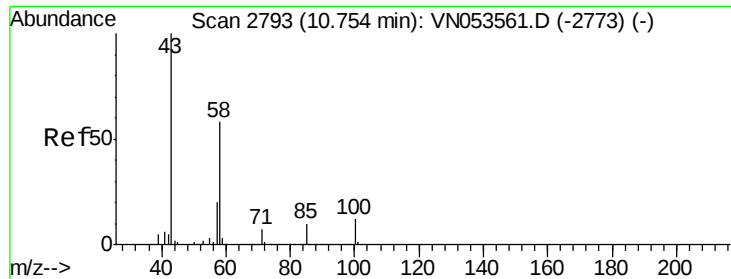
106 27.5 21.5 32.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





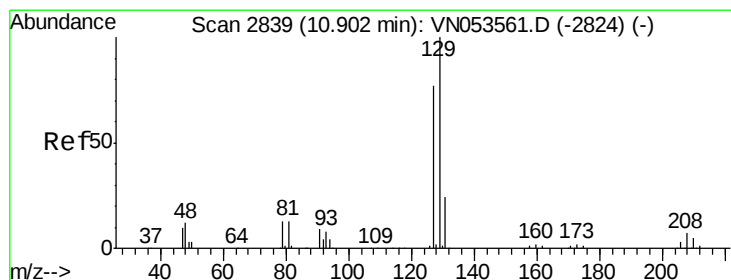
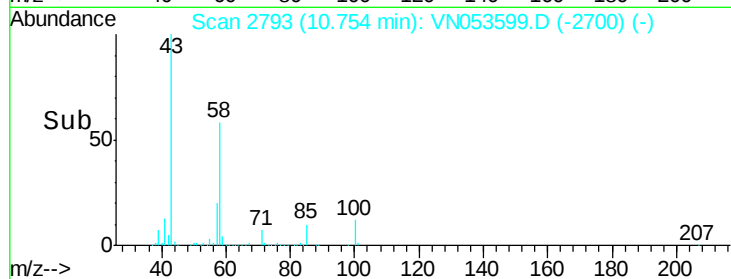
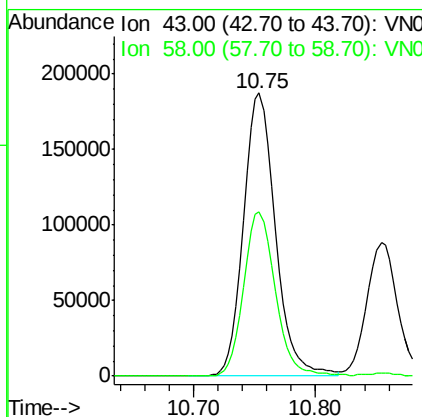
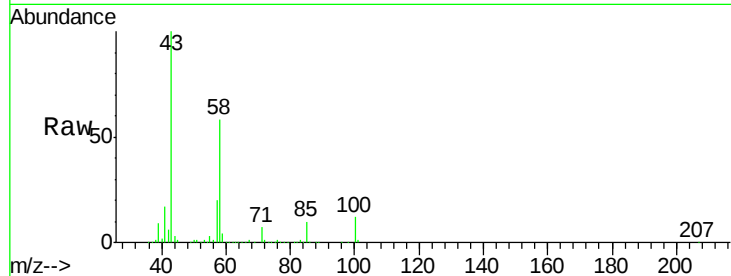
#59
2-Hexanone
Concen: 89.748 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

Instrument :
MSVOA_N
ClientSampleId :
VN0204WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	58.0	28.6	85.8

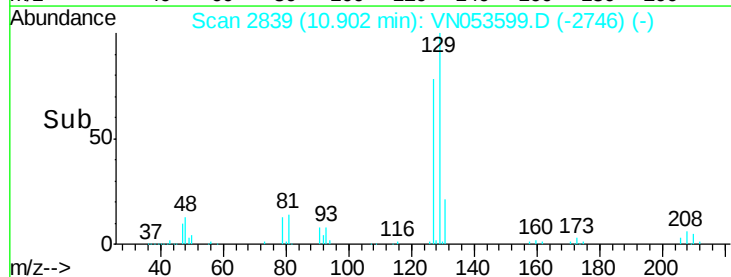
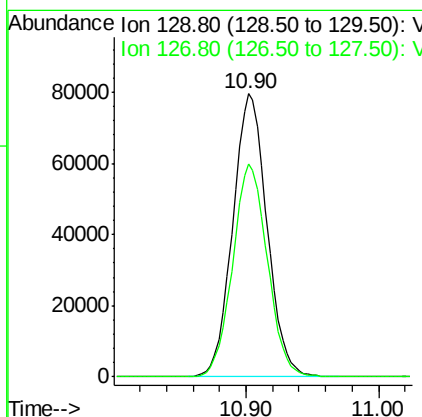
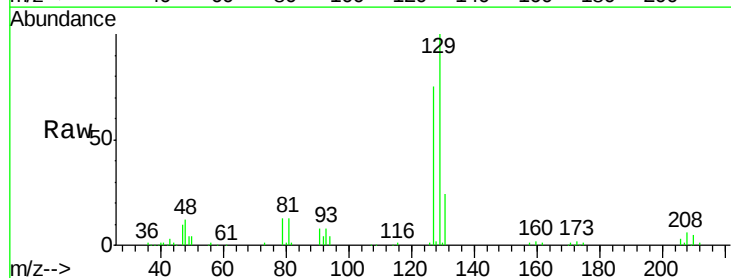
Manual Integrations
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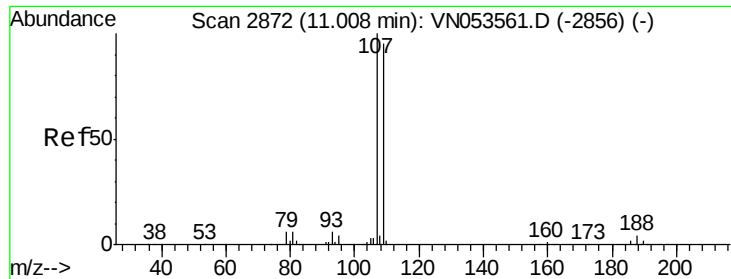
MMDadoda
2/5/2019 9:54:14 AM



#60
Dibromochloromethane
Concen: 18.456 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.2	38.6	115.8





#61

1,2-Dibromoethane

Concen: 18.586 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053599.D

Acq: 4 Feb 2019 16:23

Instrument :

MSVOA_N

ClientSampleId :

VN0204WBSD01

Tot Ion:107 Resp: 126093

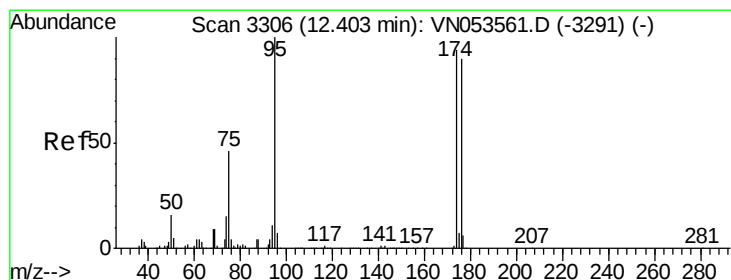
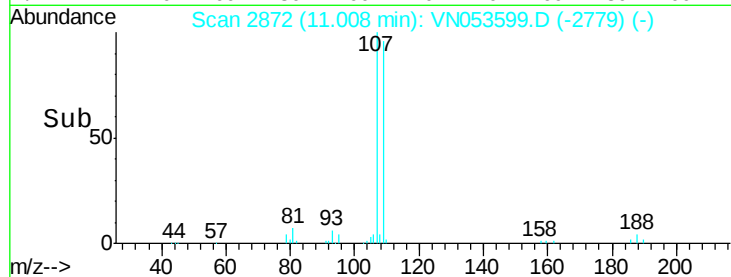
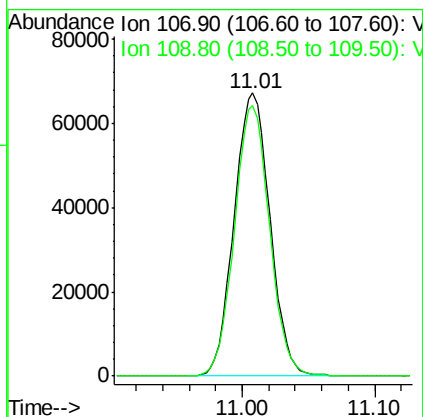
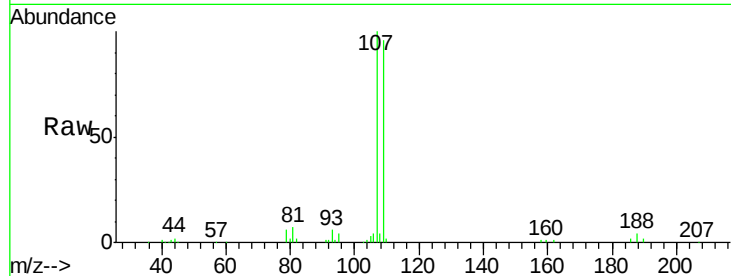
Ion Ratio Lower Upper

107 100

109 93.9 75.7 113.5

Manual Integrations
APPROVED

MMDadoda
2/5/2019 9:54:14 AM



#62

4-Bromofluorobenzene

Concen: 18.586 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053599.D

Acq: 4 Feb 2019 16:23

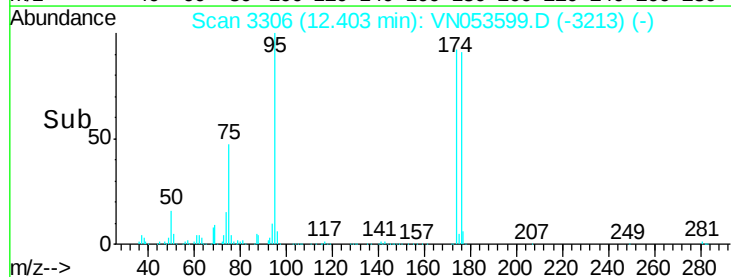
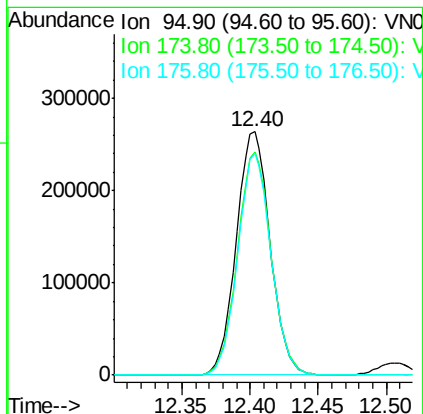
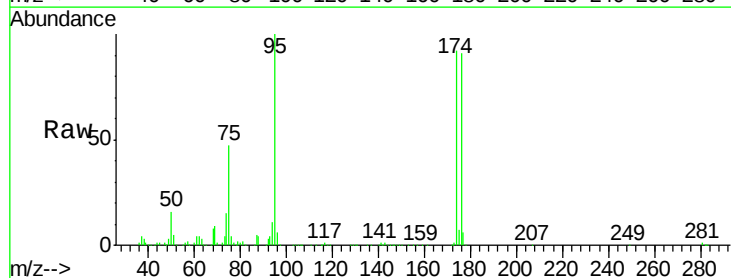
Tgt Ion: 95 Resp: 454384

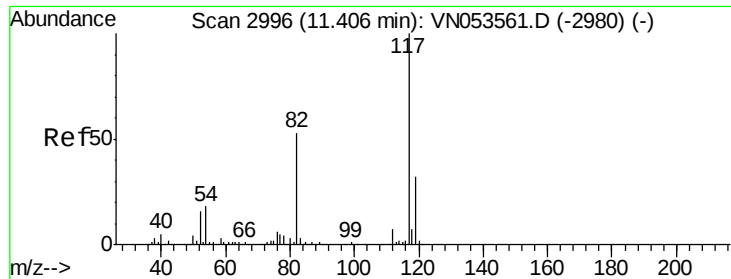
Ion Ratio Lower Upper

95 100

174 91.7 0.0 183.2

176 89.3 0.0 177.4





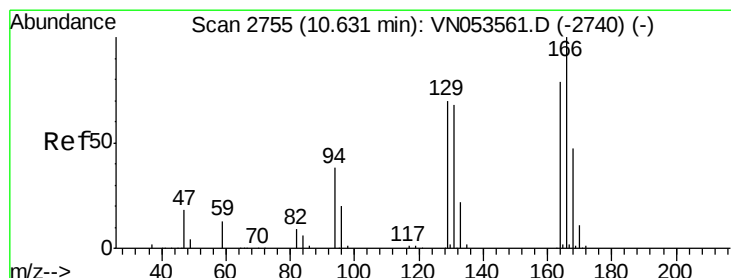
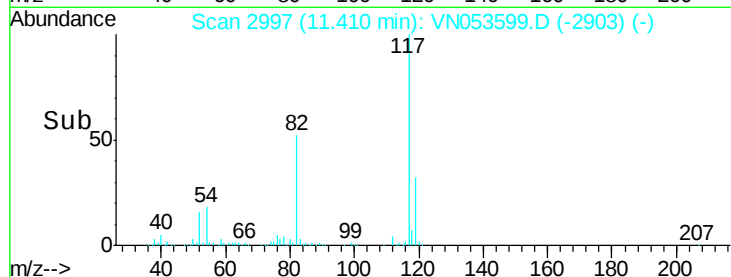
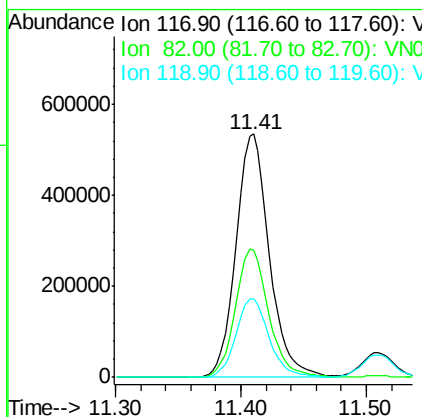
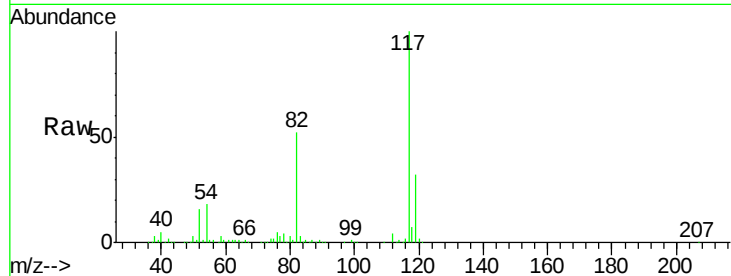
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

Instrument :
MSVOA_N
ClientSampled :
VN0204WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	988572		
82	52.1		42.9	64.3
119	32.1		26.0	39.0

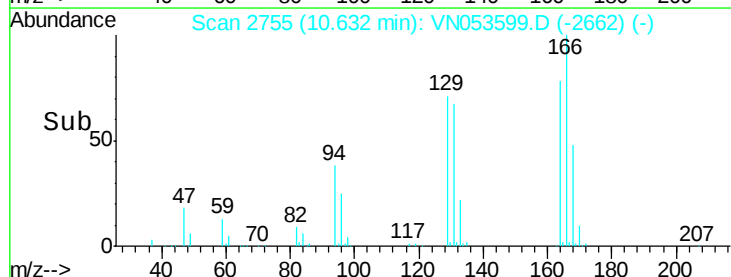
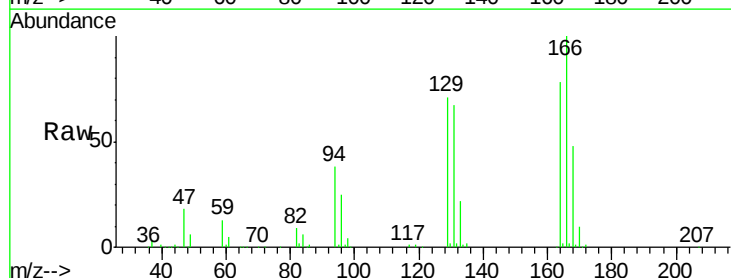
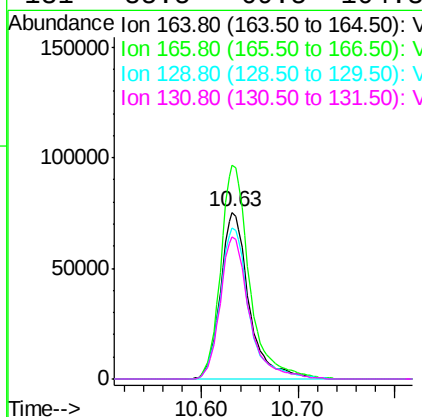
Manual Integrations
APPROVED

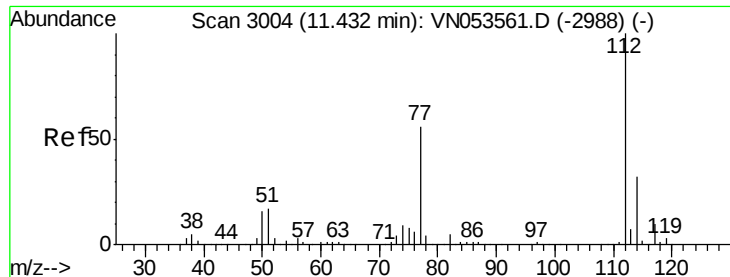
MMDadoda
2/5/2019 9:54:14 AM



#64
Tetrachloroethene
Concen: 18.233 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	154510		
166	128.2		102.2	153.4
129	90.4		72.6	109.0
131	85.5		69.5	104.3





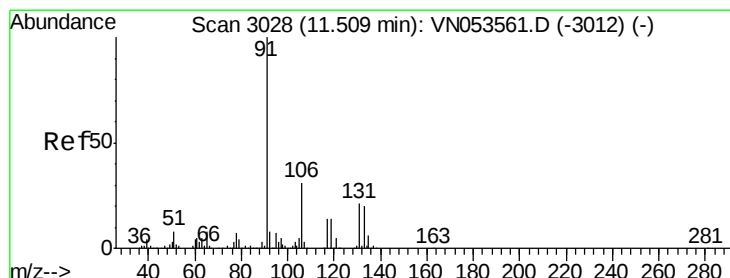
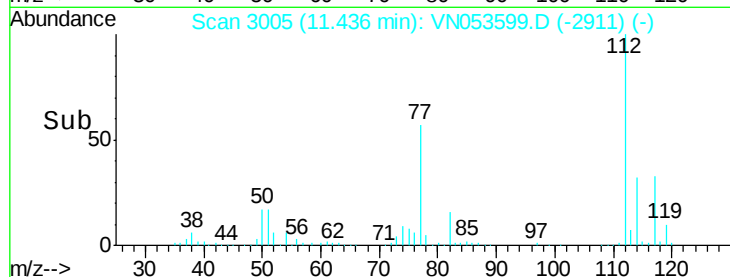
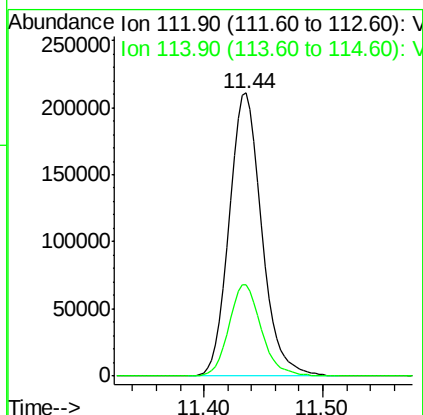
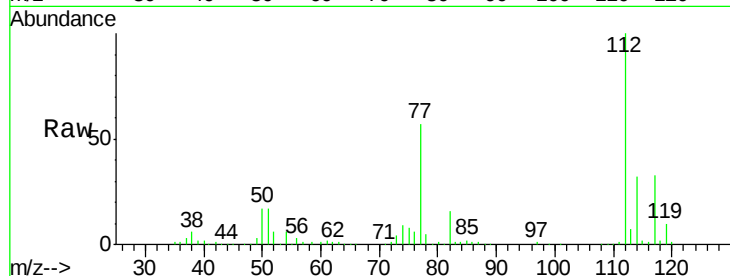
#65
Chlorobenzene
Concen: 19.045 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

Instrument :
MSVOA_N
ClientSampleId :
VN0204WBSD01

Tot Ion:112 Resp: 399919
Ion Ratio Lower Upper
112 100
114 32.5 25.3 37.9

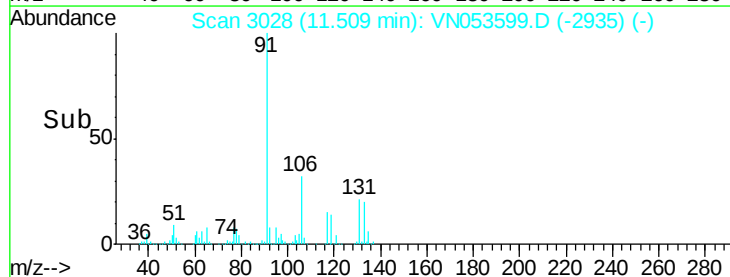
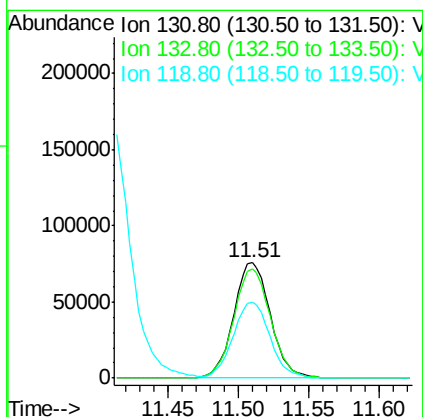
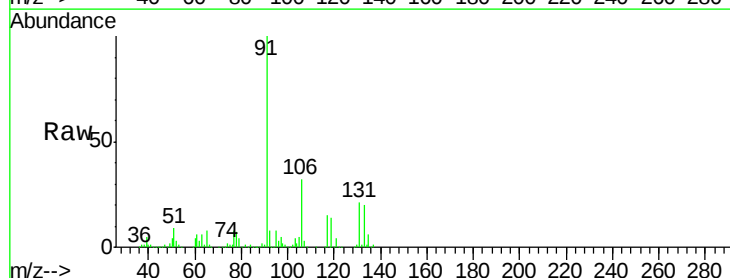
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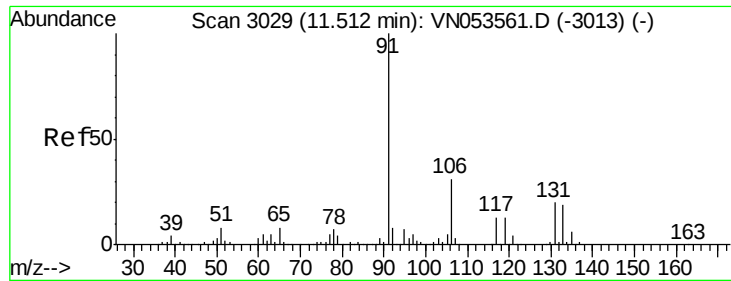
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.847 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

Tgt Ion:131 Resp: 138211
Ion Ratio Lower Upper
131 100
133 95.3 48.0 144.0
119 66.4 33.5 100.5





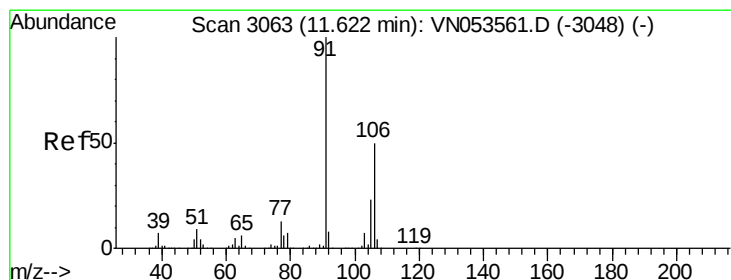
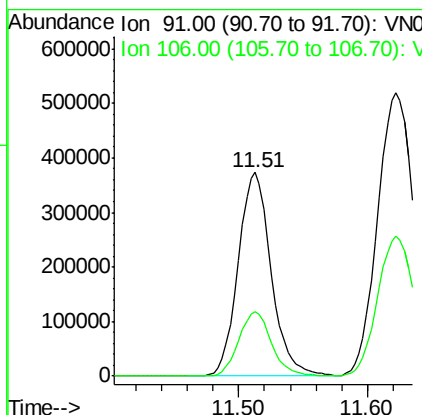
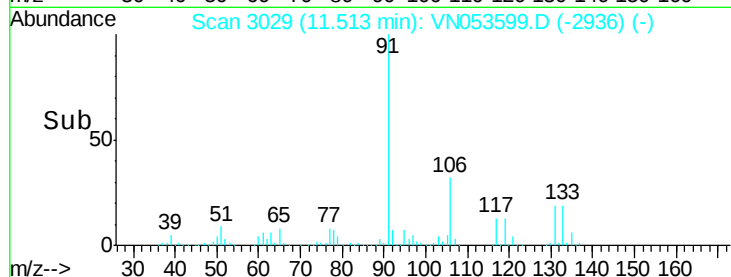
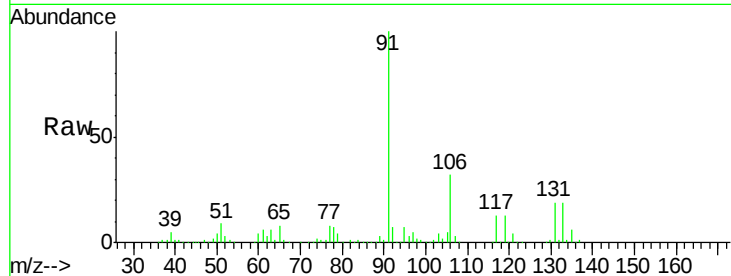
#67
Ethyl Benzene
Concen: 19.304 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

Instrument :
MSVOA_N
ClientSampleId :
VN0204WBSD01

Tot Ion: 91 Resp: 665861
Ion Ratio Lower Upper
91 100
106 31.9 25.0 37.6

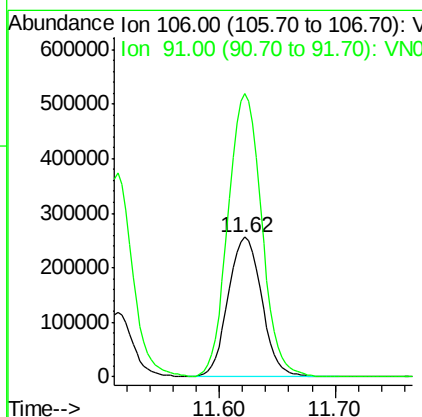
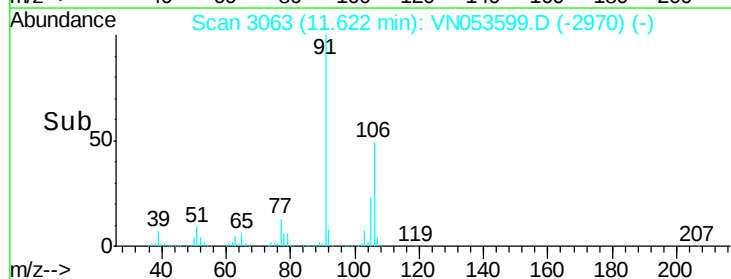
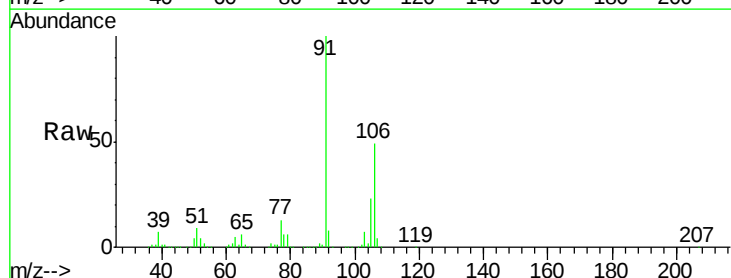
Manual Integrations
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2/5/2019 9:54:14 AM



#68
m/p-Xylenes
Concen: 39.257 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

Tgt Ion: 106 Resp: 516817
Ion Ratio Lower Upper
106 100
91 201.8 161.4 242.2





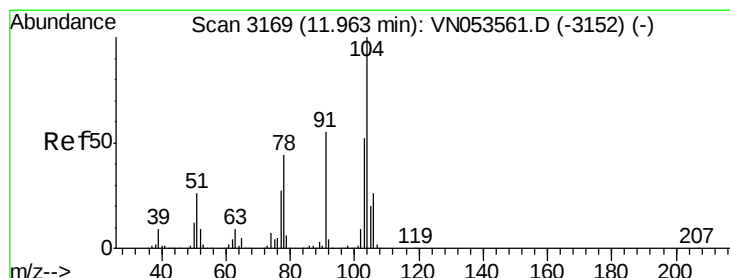
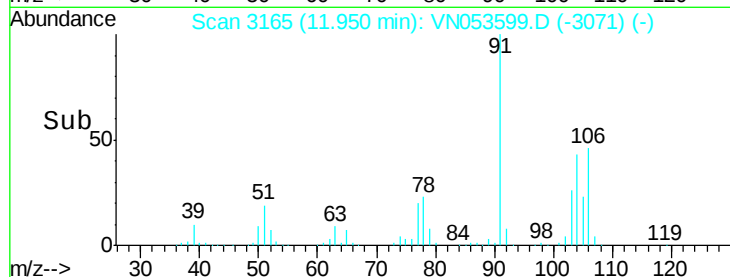
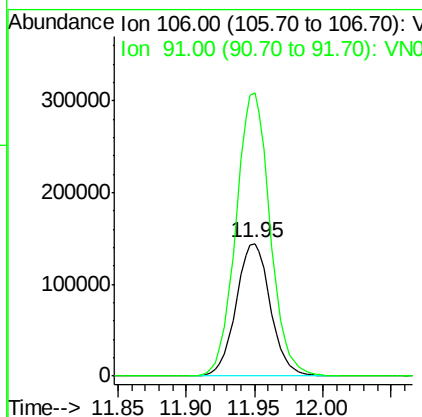
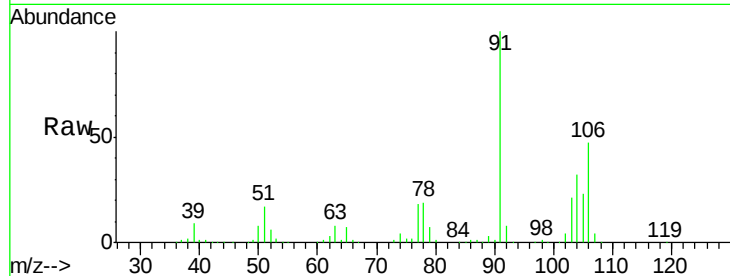
#69
o-Xylene
Concen: 19.826 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

Instrument :
MSVOA_N
ClientSampleId :
VN0204WBSD01

Tot Ion:106 Resp: 252155
Ion Ratio Lower Upper
106 100
91 212.3 106.9 320.8

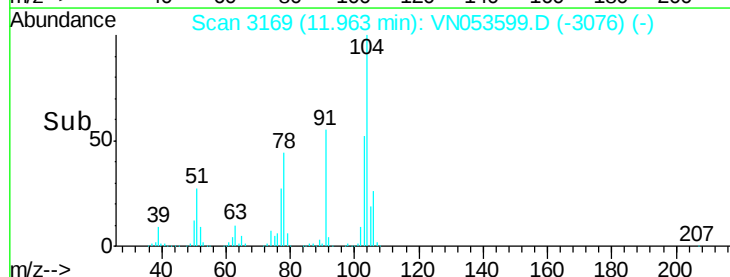
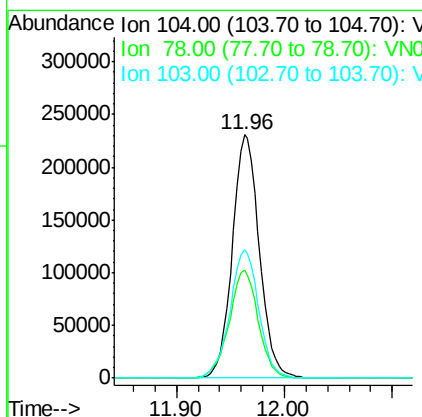
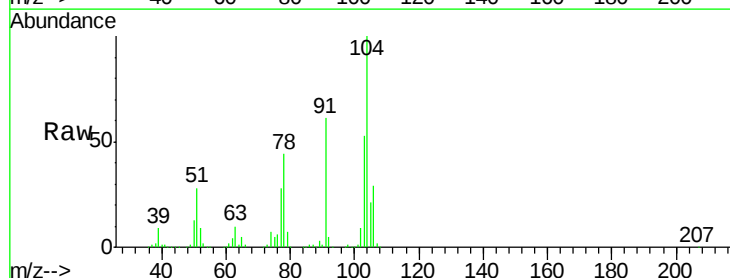
Manual Integrations
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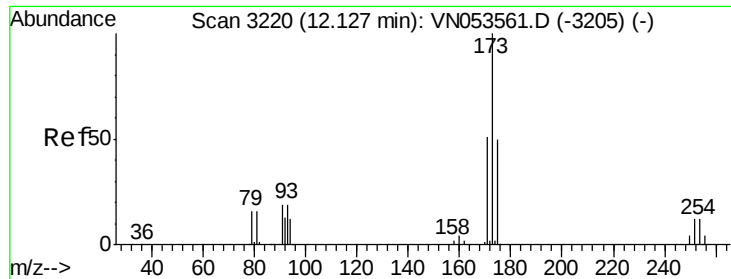
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#70
Styrene
Concen: 19.420 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

Tgt Ion:104 Resp: 400335
Ion Ratio Lower Upper
104 100
78 48.0 38.2 57.2
103 56.5 44.4 66.6





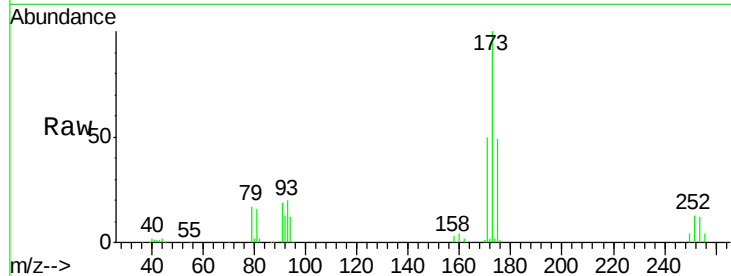
#71
Bromoform
Concen: 18.370 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

Instrument :
MSVOA_N
ClientSampleId :
VN0204WBSD01

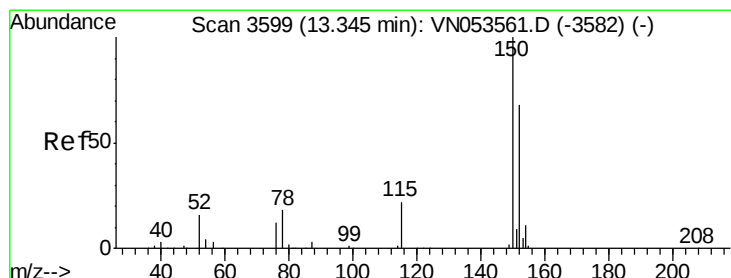
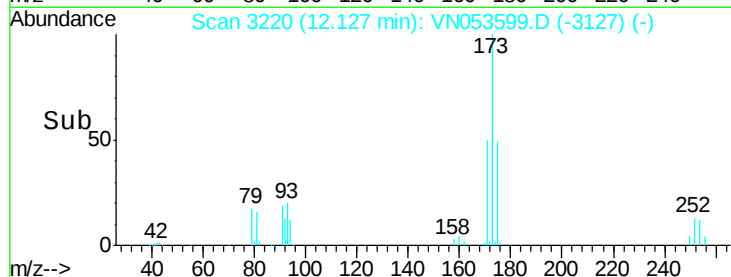
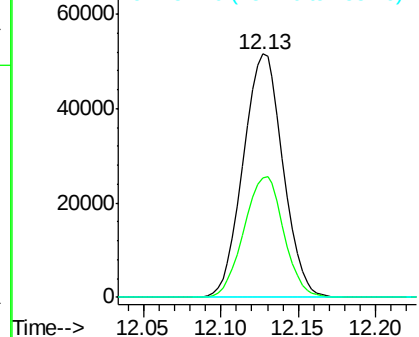
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.6	74.0
254	0.0	0.2	0.2

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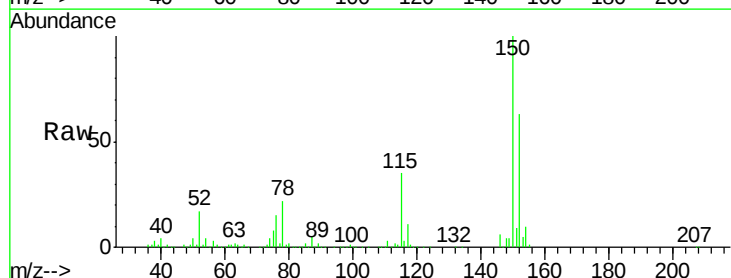


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

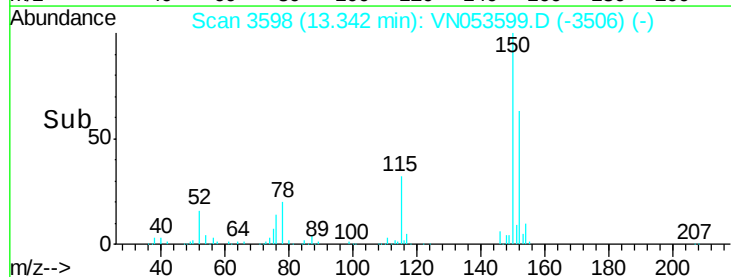
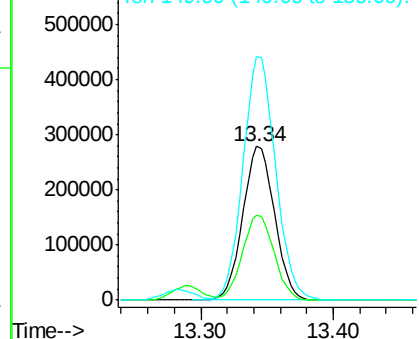


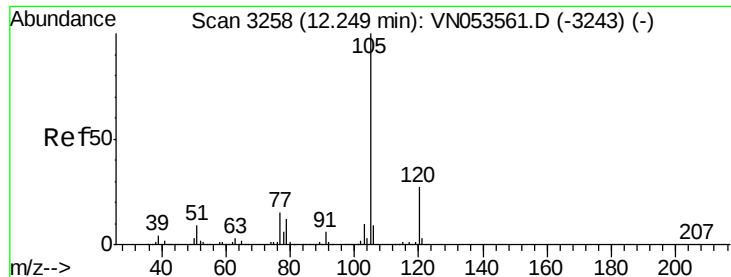
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	27.8	83.4
150	163.5	0.0	349.0



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





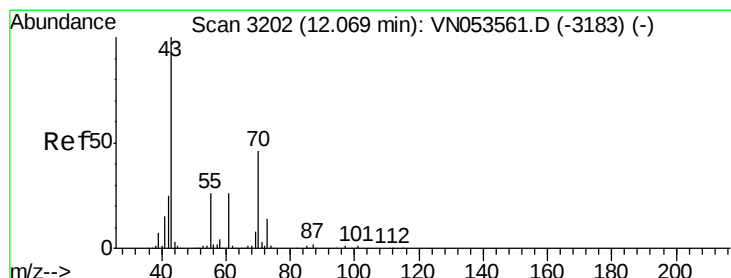
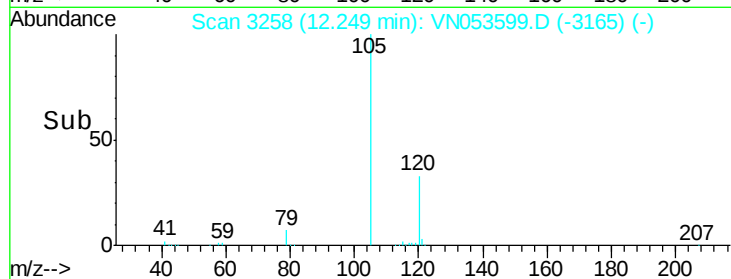
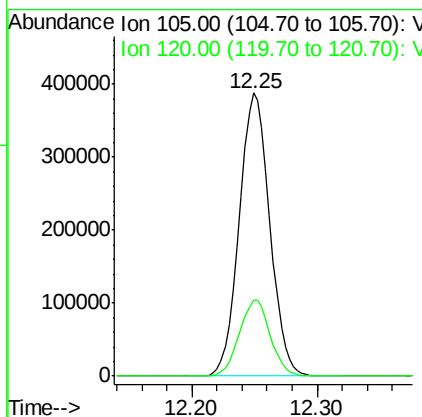
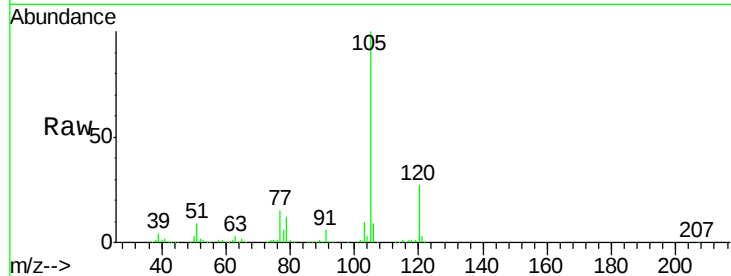
#73
Isopropylbenzene
Concen: 20.212 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

Instrument :
MSVOA_N
ClientSampleId :
VN0204WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.2	13.6	40.7

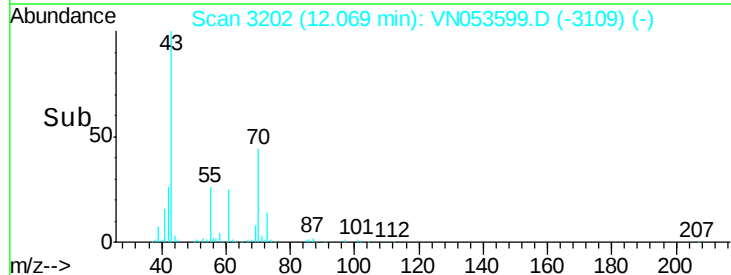
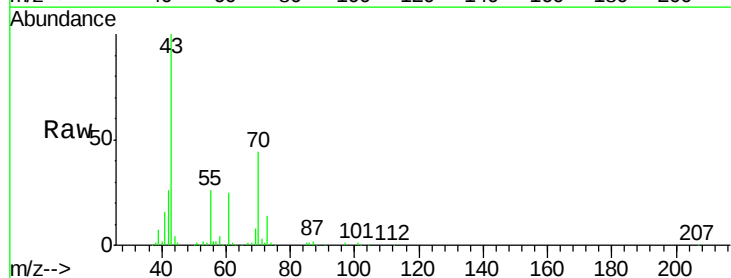
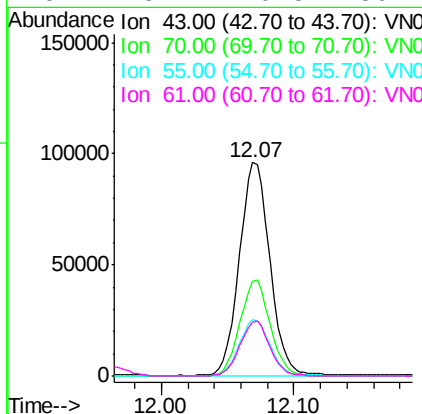
Manual Integrations
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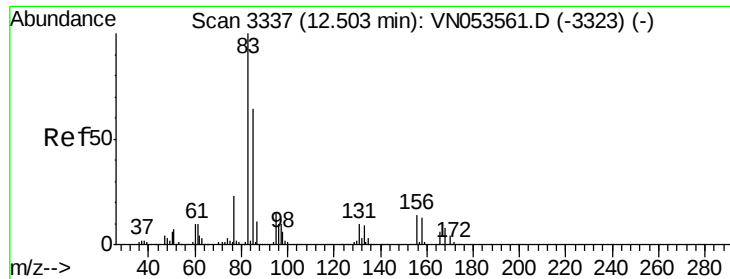
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2/5/2019 9:54:14 AM



#74
N-ethyl acetate
Concen: 19.655 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.6	35.4	53.2
55	26.8	20.9	31.3
61	25.1	20.5	30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 19.350 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053599.D

Acq: 4 Feb 2019 16:23

Instrument :

MSVOA_N

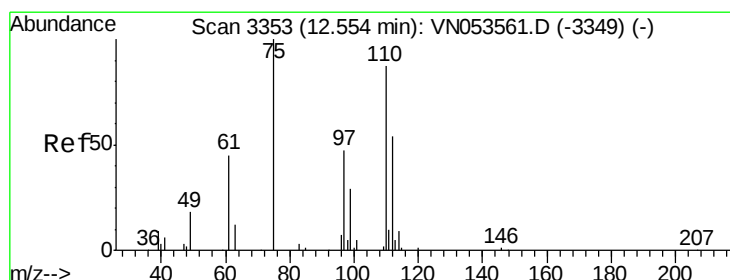
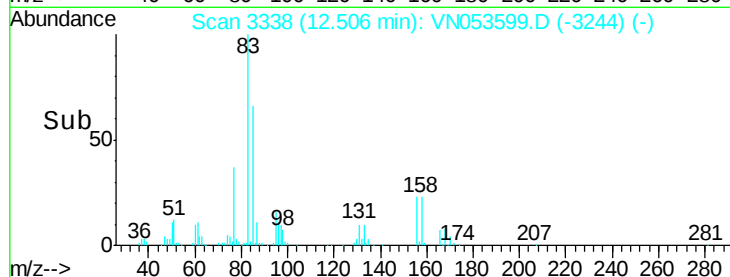
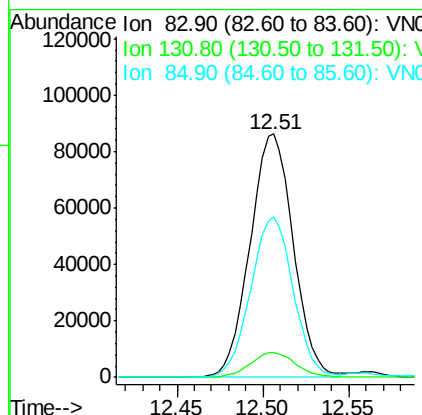
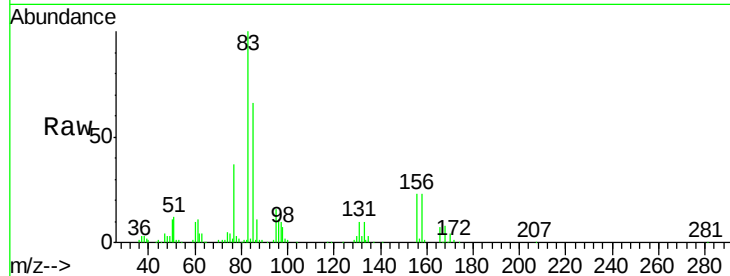
ClientSampleId :

VN0204WBSD01

Tot Ion:	83	Resp:	150361
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.3	15.8
85	64.6	32.1	96.3

Manual Integrations
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2/5/2019 9:54:14 AM



#76

1,2,3-Trichloropropane

Concen: 21.264 ug/l m

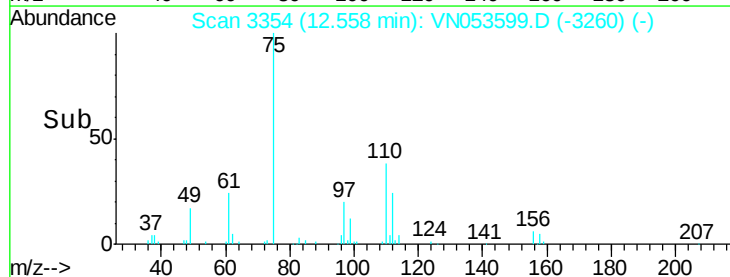
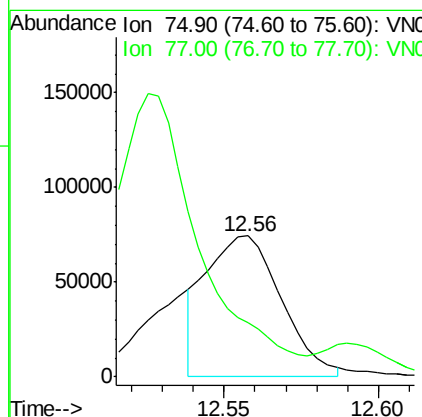
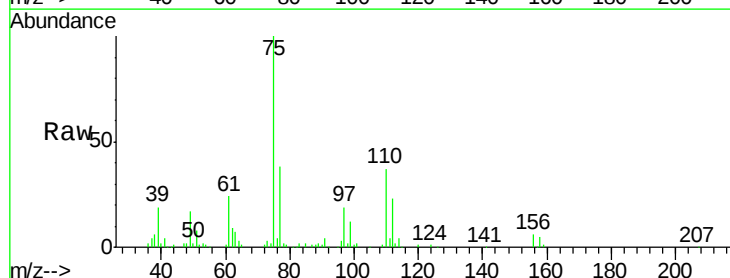
RT: 12.56 min Scan# 3354

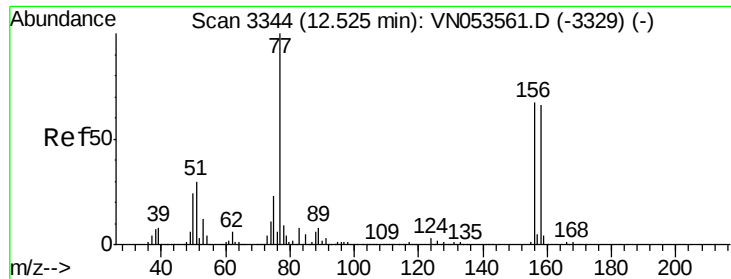
Delta R.T. 0.00 min

Lab File: VN053599.D

Acq: 4 Feb 2019 16:23

Tgt Ion:	75	Resp:	126143
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.716 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053599.D

Acq: 4 Feb 2019 16:23

Instrument :

MSVOA_N

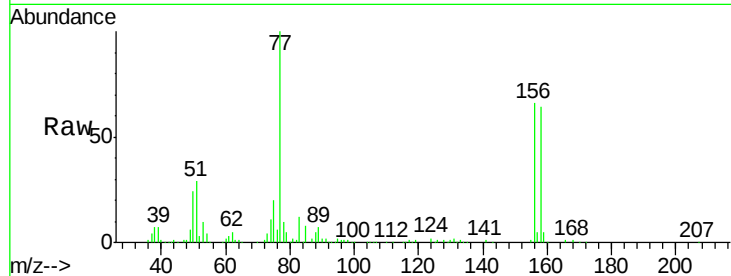
ClientSampleId :

VN0204WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	173.0	87.9	263.8
158	96.6	48.8	146.4

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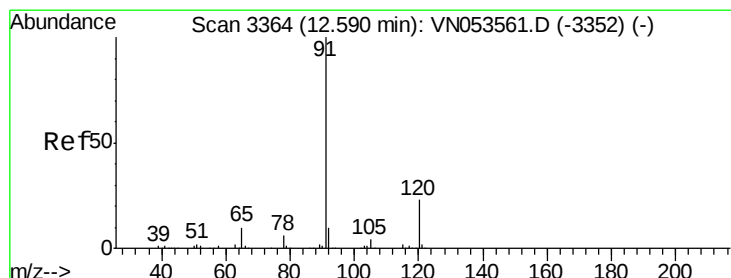
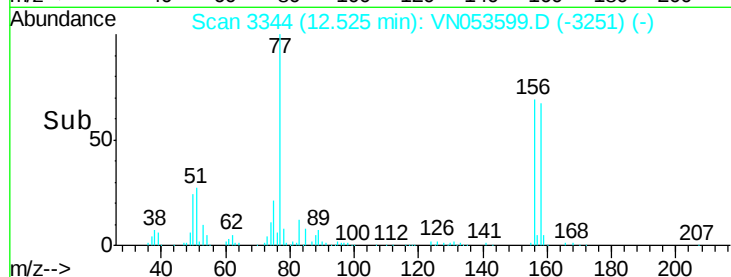
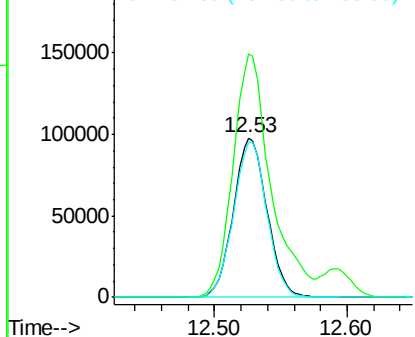
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.930 ug/l

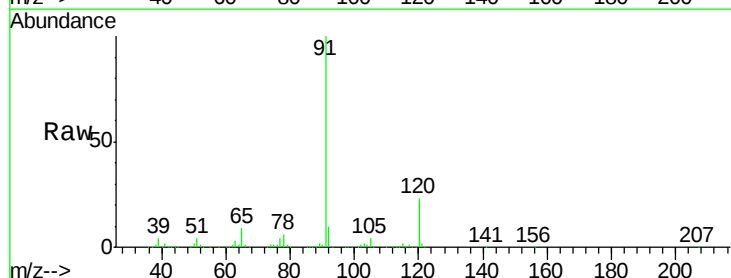
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053599.D

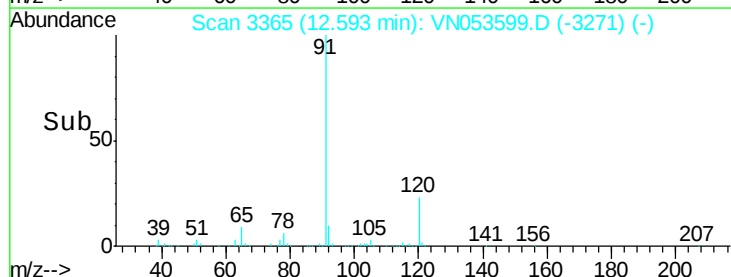
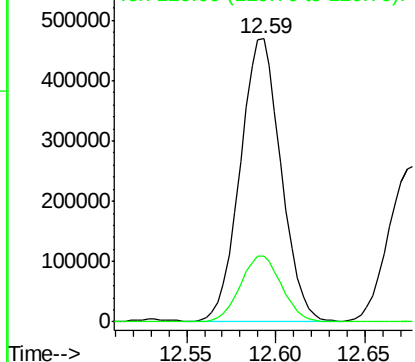
Acq: 4 Feb 2019 16:23

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.9	35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.058 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053599.D

Acq: 4 Feb 2019 16:23

Instrument :

MSVOA_N

ClientSampleId :

VN0204WBSD01

Tot Ion: 91 Resp: 446658

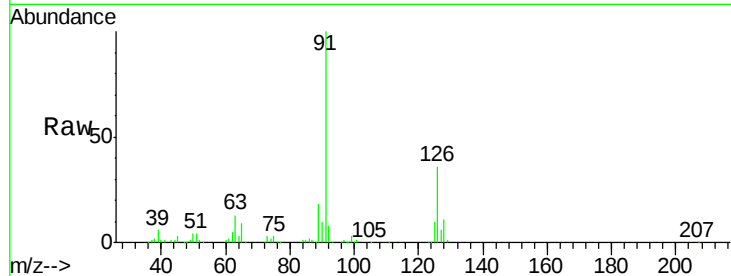
Ion Ratio Lower Upper

91 100

126 35.9 17.9 53.7

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Abundance Ion 91.00 (90.70 to 91.70): VN053561.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN053561.D (-3378) (-)

400000

300000

200000

100000

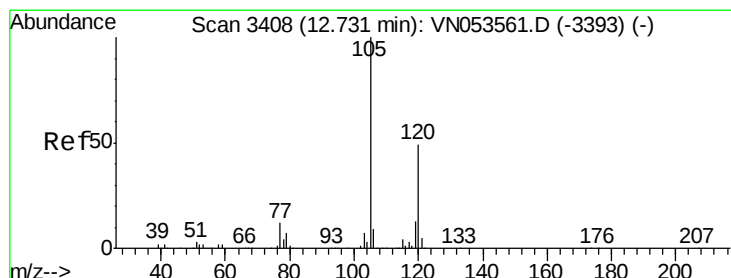
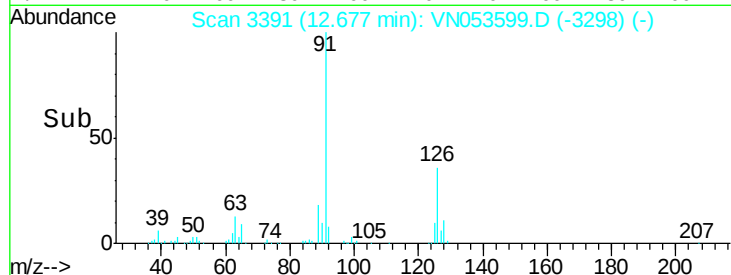
0

12.60

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.493 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053599.D

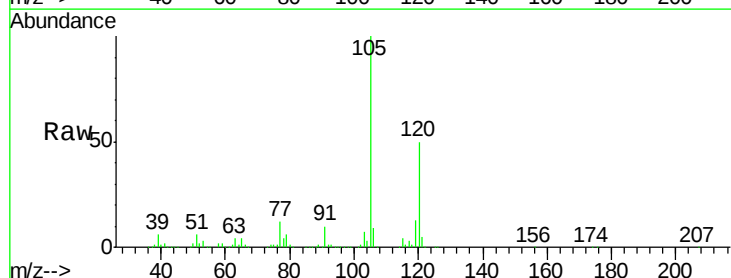
Acq: 4 Feb 2019 16:23

Tgt Ion: 105 Resp: 551766

Ion Ratio Lower Upper

105 100

120 49.3 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VN053561.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN053561.D (-3393) (-)

400000

300000

200000

100000

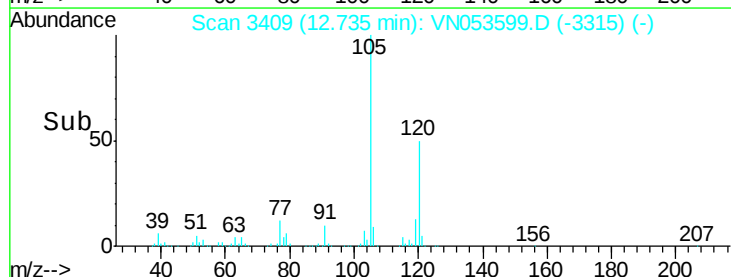
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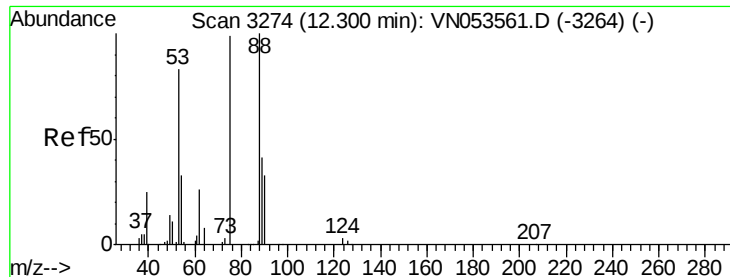
12.65

12.70

12.75

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 17.188 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053599.D

Acq: 4 Feb 2019 16:23

Instrument :

MSVOA_N

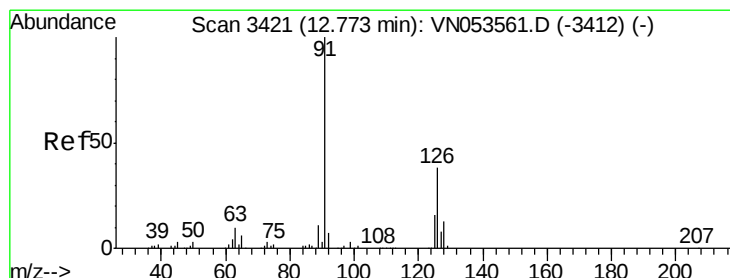
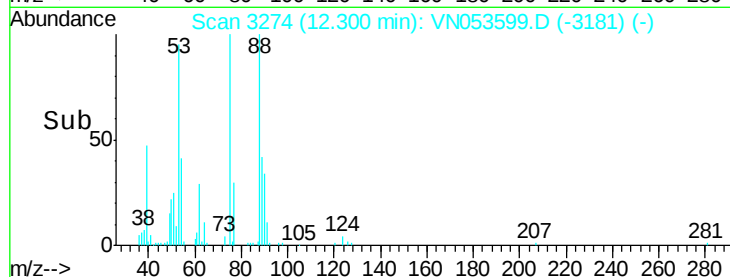
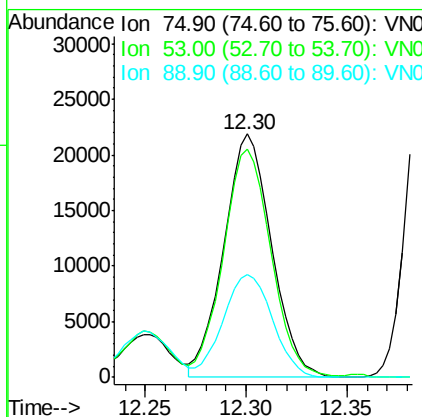
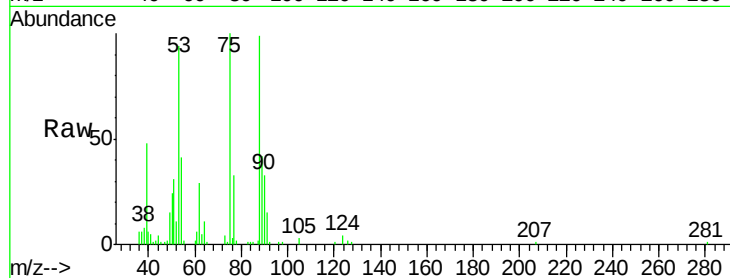
ClientSampleId :

VN0204WBSD01

Tot Ion:	75	Resp:	36261
Ion	Ratio	Lower	Upper
75	100		
53	92.4	69.8	104.6
89	43.4	35.6	53.4

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#82

4-Chlorotoluene

Concen: 19.656 ug/l

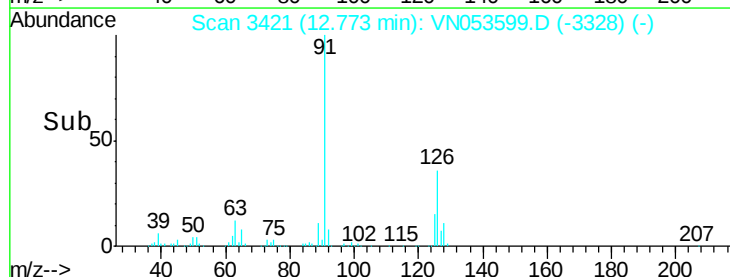
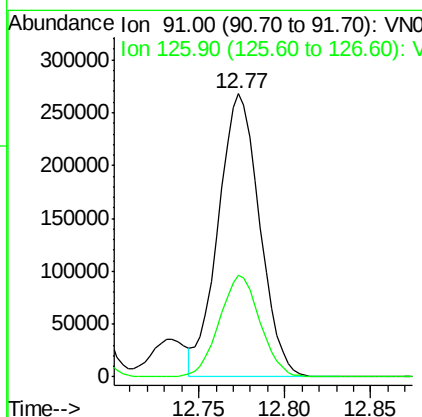
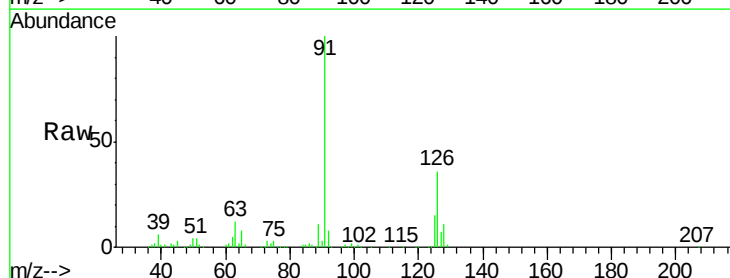
RT: 12.77 min Scan# 3421

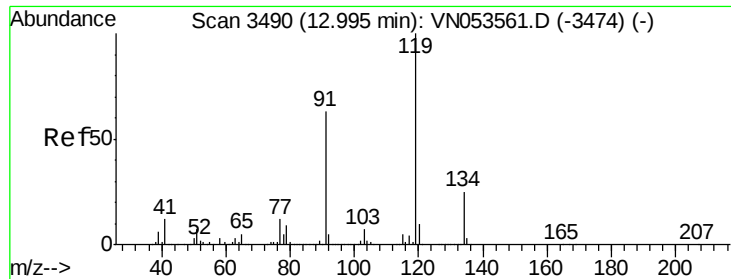
Delta R.T. 0.00 min

Lab File: VN053599.D

Acq: 4 Feb 2019 16:23

Tgt Ion:	91	Resp:	449138
Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.6	52.9





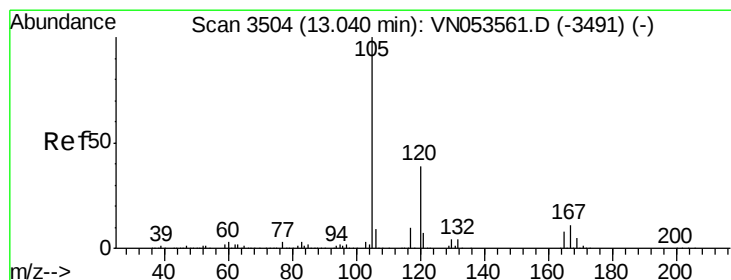
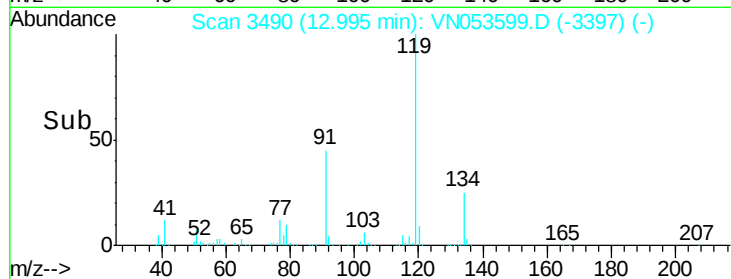
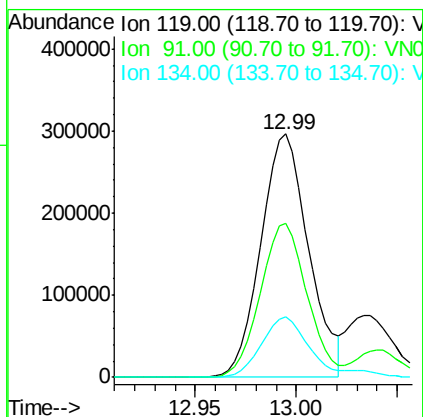
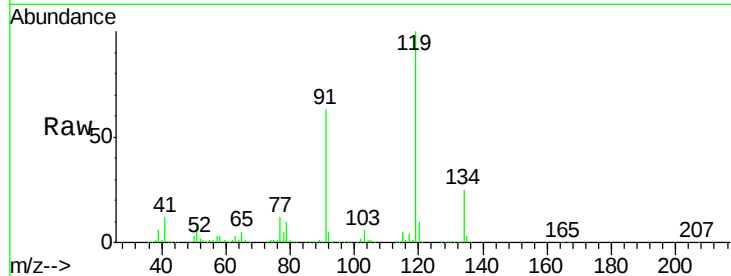
#83
tert-Butylbenzene
Concen: 20.615 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

Instrument :
MSVOA_N
ClientSampleId :
VN0204WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	490554		
91	62.1	31.3	93.8	
134	24.3	12.9	38.7	

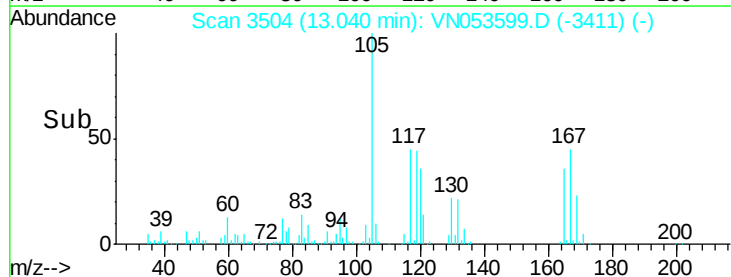
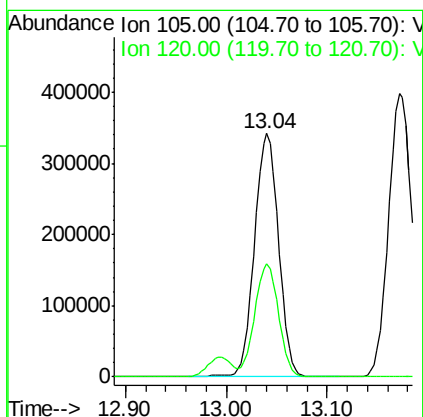
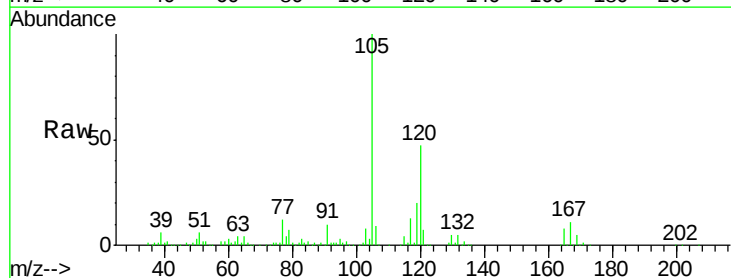
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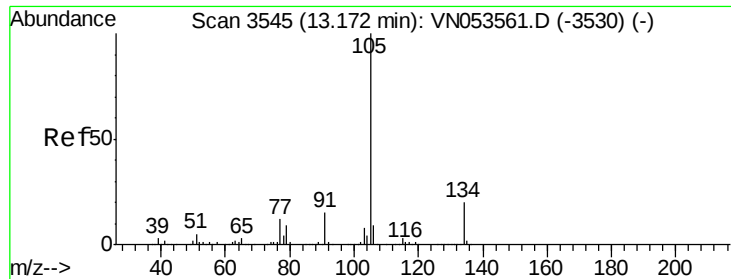
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#84
1,2,4-Trimethylbenzene
Concen: 20.502 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	562395		
120	46.1	23.0	69.0	





#85

sec-Butylbenzene

Concen: 20.013 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053599.D

Acq: 4 Feb 2019 16:23

Instrument :

MSVOA_N

ClientSampleId :

VN0204WBSD01

Tot Ion:105 Resp: 648056

Ion Ratio Lower Upper

105 100

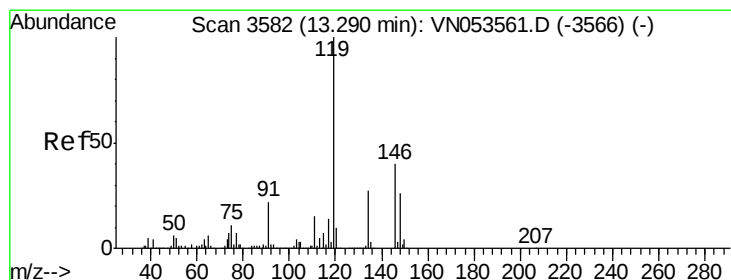
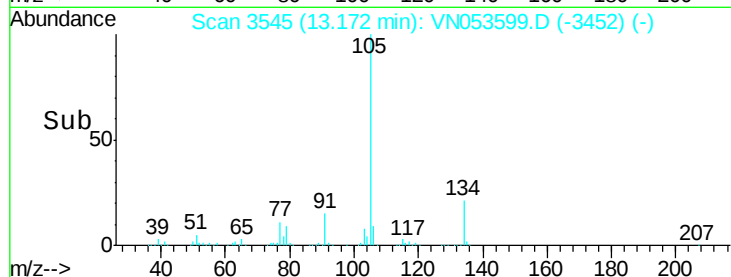
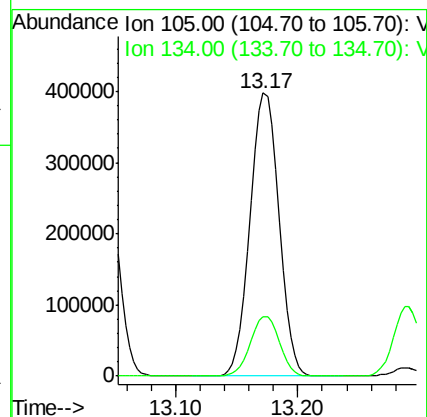
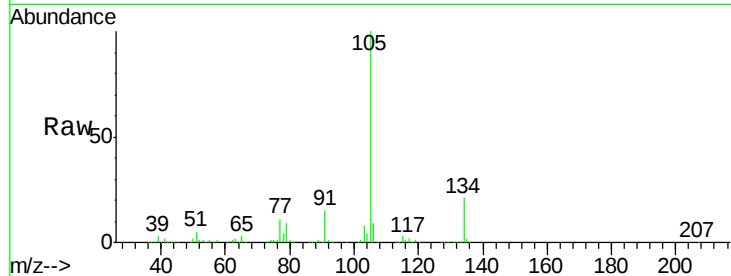
134 21.0 10.2 30.6

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#86

p-Isopropyltoluene

Concen: 20.152 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053599.D

Acq: 4 Feb 2019 16:23

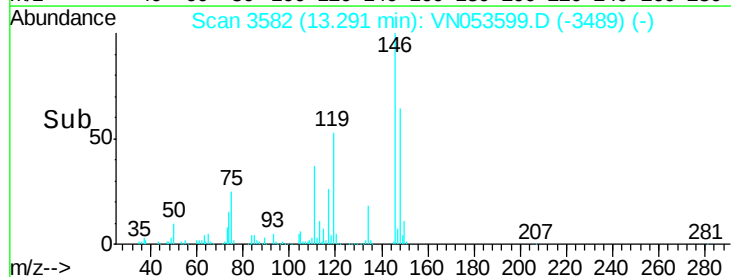
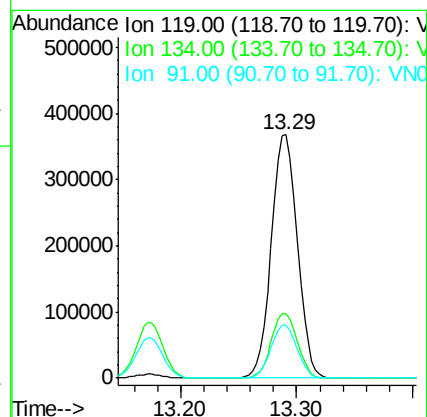
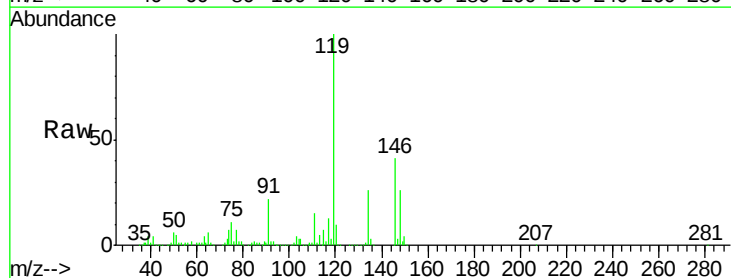
Tgt Ion:119 Resp: 570732

Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.4

91 21.7 11.0 33.0





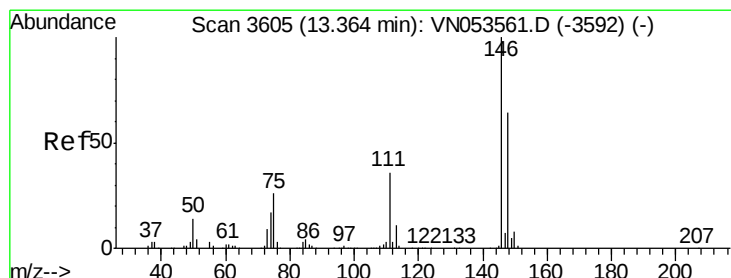
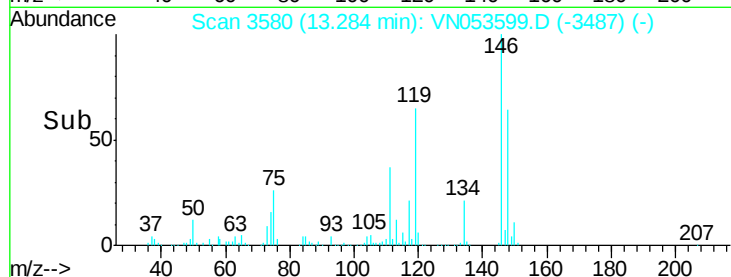
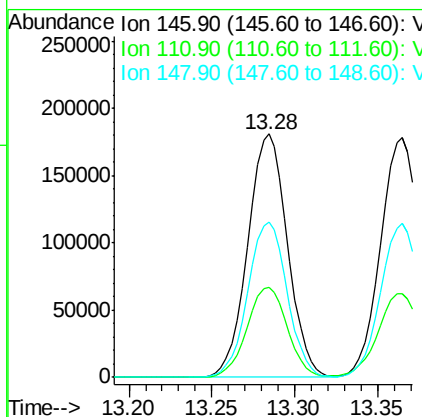
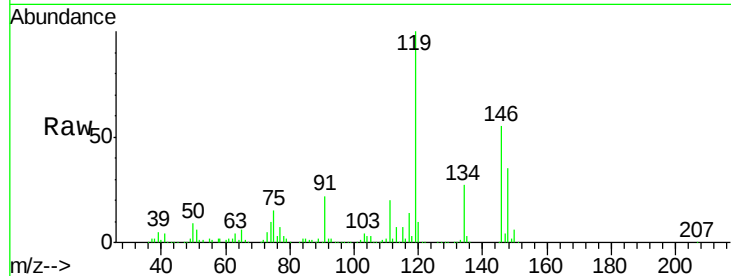
#87
 1,3-Dichlorobenzene
 Concen: 19.191 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053599.D
 Acq: 4 Feb 2019 16:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	301875		
111	37.6	18.8	56.3	
148	63.4	32.0	96.2	

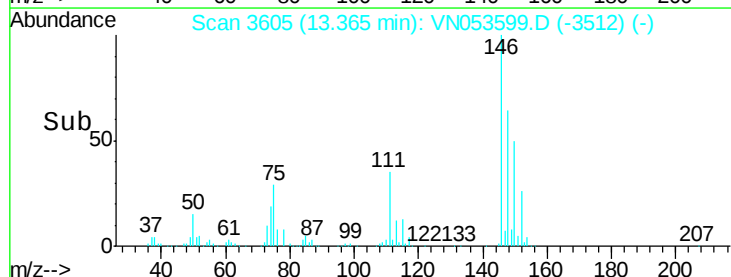
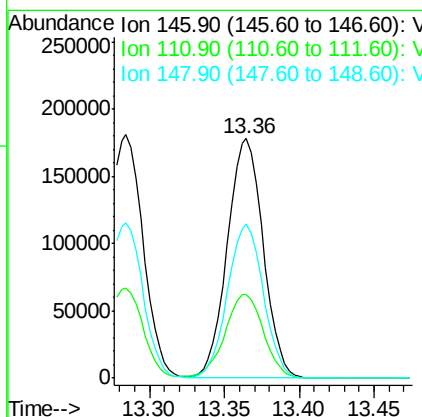
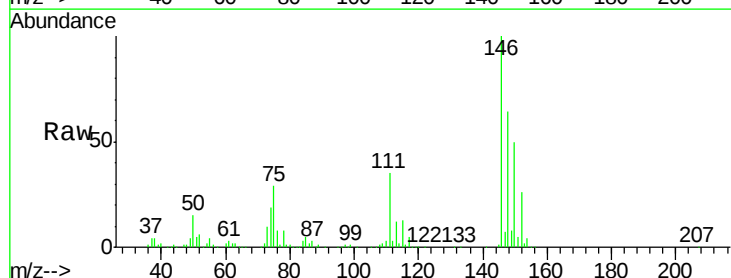
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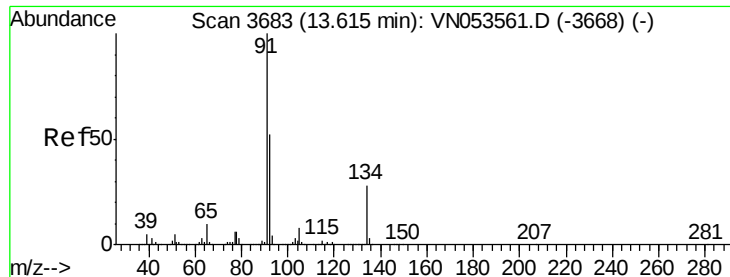
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#88
 1,4-Dichlorobenzene
 Concen: 19.142 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053599.D
 Acq: 4 Feb 2019 16:23

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	297850		
111	37.4	18.6	55.8	
148	64.5	32.4	97.0	





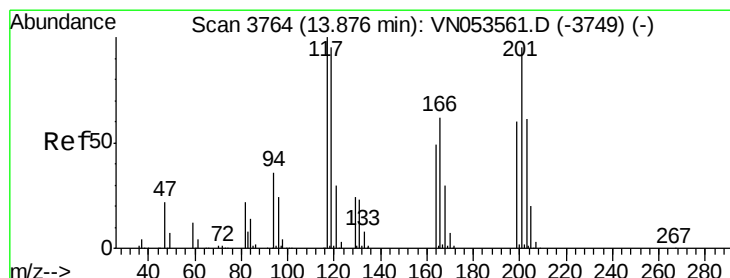
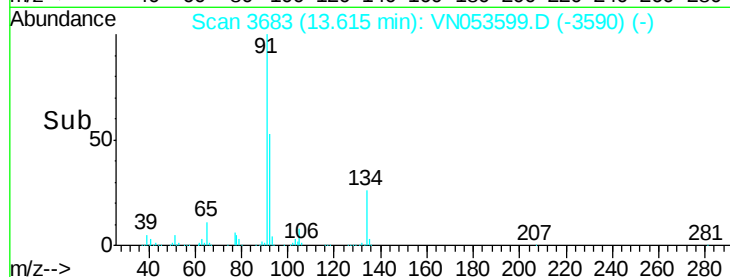
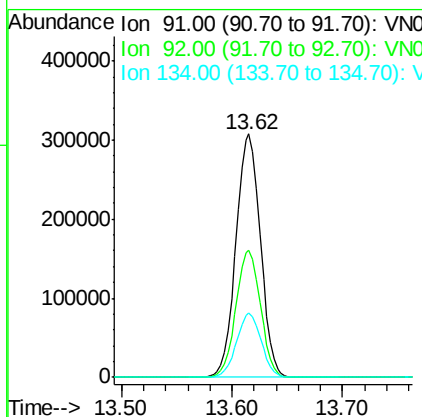
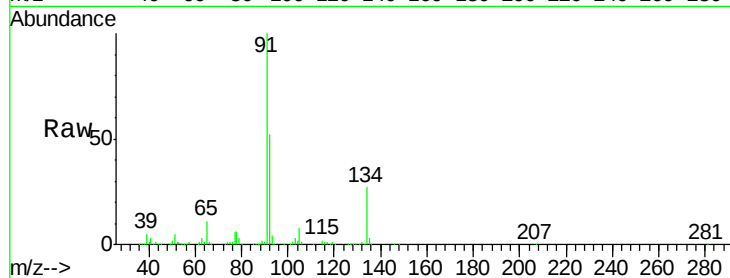
#89
n-Butylbenzene
Concen: 19.305 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

Instrument :
MSVOA_N
ClientSampleId :
VN0204WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.3	78.8
134	26.6	13.5	40.5

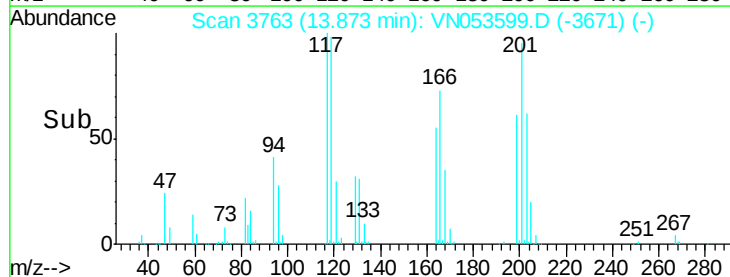
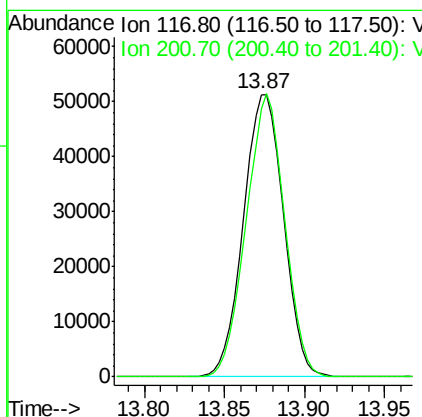
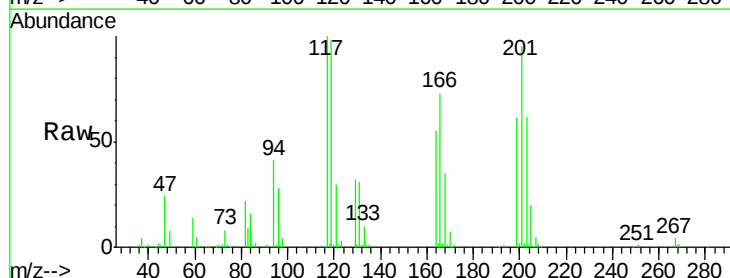
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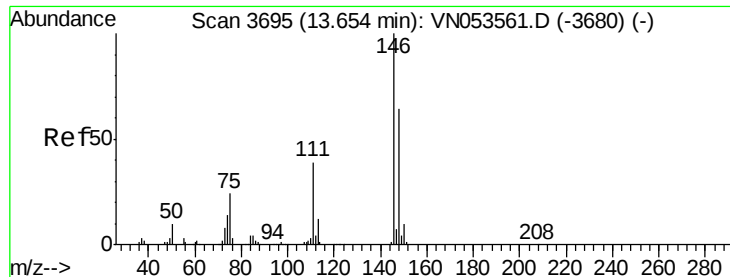
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#90
Hexachloroethane
Concen: 18.834 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.9	46.8	140.4





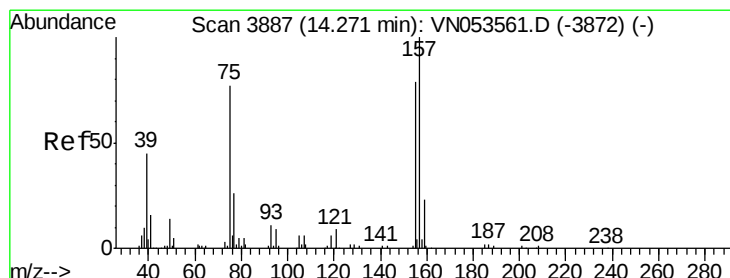
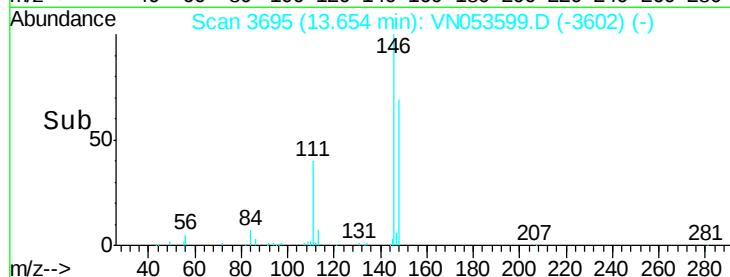
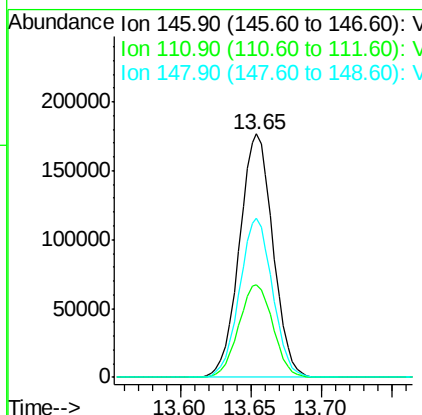
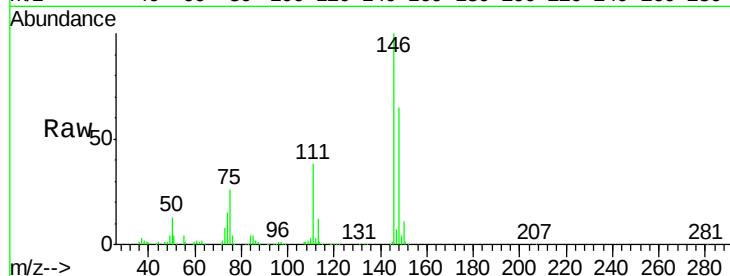
#91
 1,2-Dichlorobenzene
 Concen: 19.492 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053599.D
 Acq: 4 Feb 2019 16:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	293532		
111	39.0		19.5	58.5
148	64.6		31.9	95.9

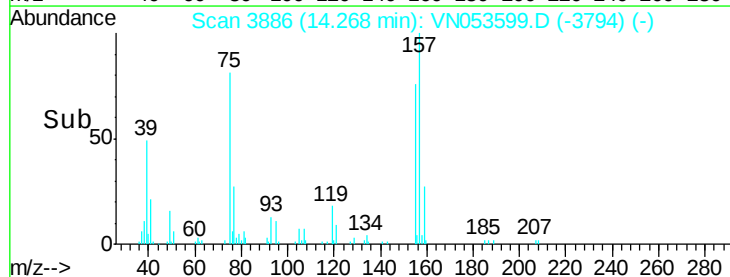
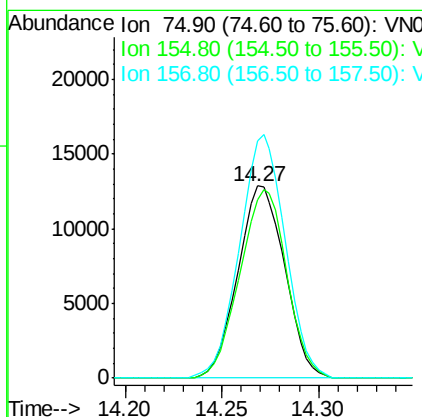
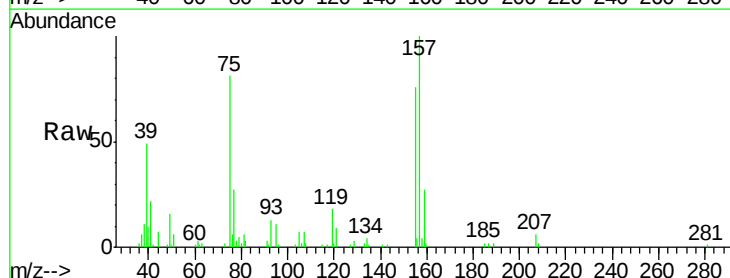
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.636 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053599.D
 Acq: 4 Feb 2019 16:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	21745		
155	97.9		48.9	146.7
157	123.5		63.7	191.3





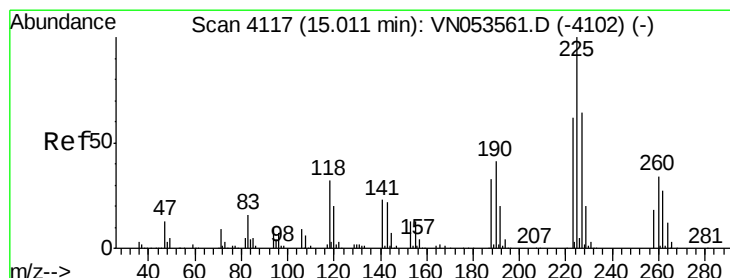
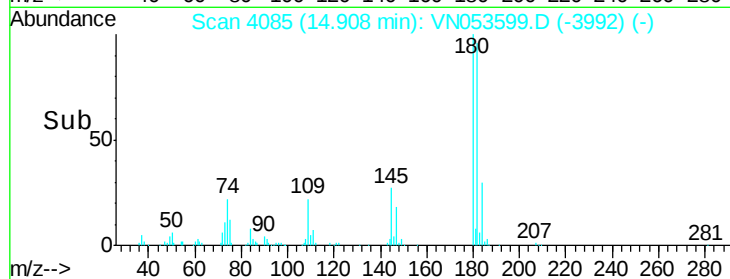
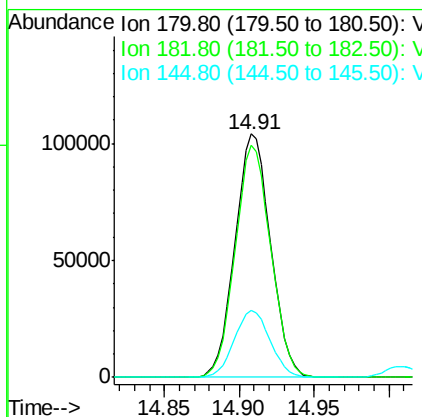
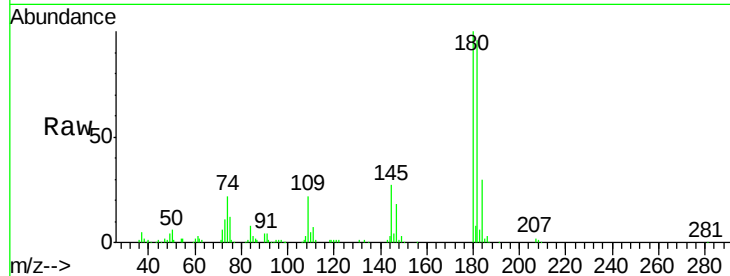
#93
 1,2,4-Trichlorobenzene
 Concen: 19.961 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053599.D
 Acq: 4 Feb 2019 16:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	172403		
182	95.1	48.1	144.3	
145	27.7	13.9	41.6	

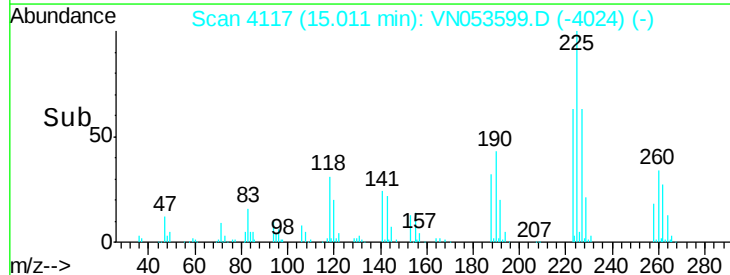
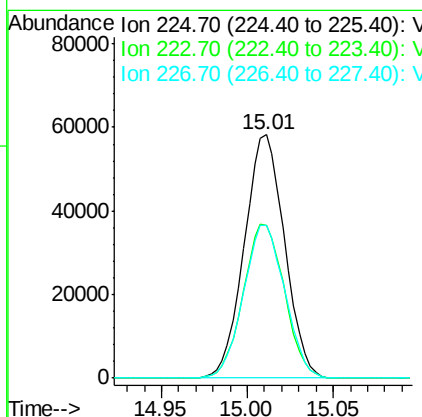
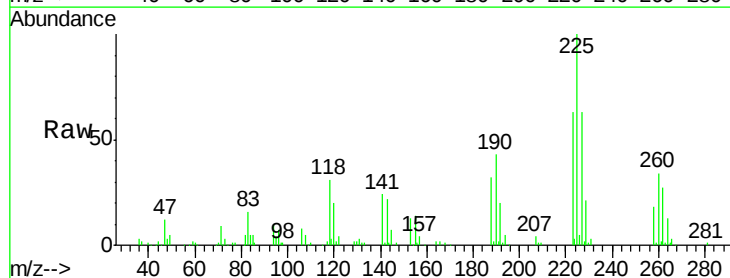
Manual Integrations
 APPROVED

MMDadoda
 2/5/2019 9:54:14 AM



#94
 Hexachlorobutadiene
 Concen: 17.618 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053599.D
 Acq: 4 Feb 2019 16:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	94763		
223	64.4	31.1	93.2	
227	64.3	32.0	96.2	





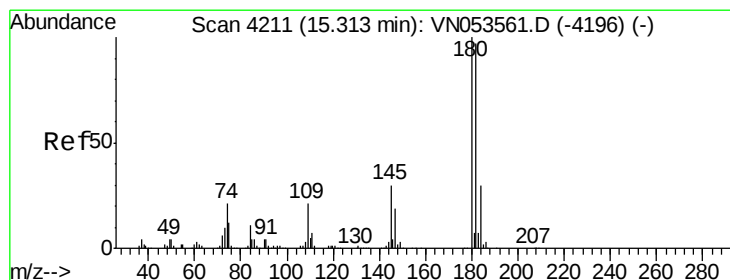
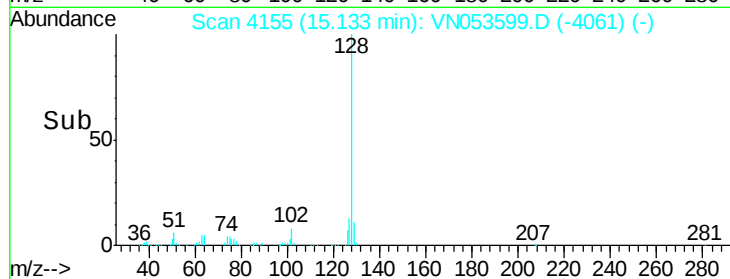
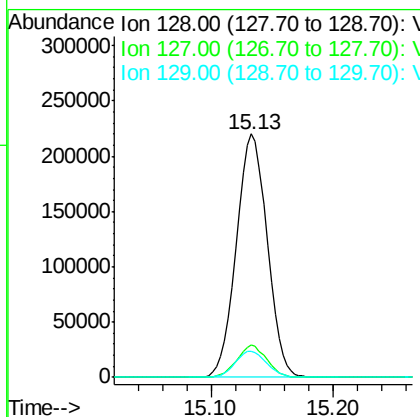
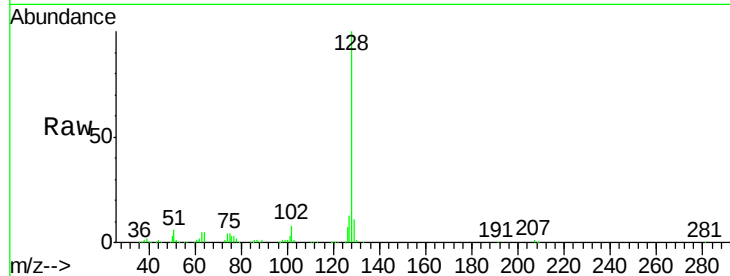
#95
Naphthalene
Concen: 20.045 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

Instrument :
MSVOA_N
ClientSampleId :
VN0204WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	384821		
127	12.7	10.3	15.5	
129	10.8	8.6	13.0	

Manual Integrations
APPROVED

MMDadoda
2/5/2019 9:54:14 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.367 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN053599.D
Acq: 4 Feb 2019 16:23

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	163220		
182	94.6	47.9	143.8	
145	30.0	14.7	44.1	

