

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020419\
 Data File : VN053589.D
 Acq On : 4 Feb 2019 11:56
 Operator : JC/SP
 Sample : VN0204WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204WBS01

Manual Integrations
 APPROVED

MMDadoda
 2/5/2019 9:53:46 AM

Quant Time: Feb 05 02:25:09 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	685212	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1024769	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	899485	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	437050	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	336954	49.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.04%	
35) Dibromofluoromethane	7.59	113	324047	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	
50) Toluene-d8	10.09	98	1192311	49.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.08%	
62) 4-Bromofluorobenzene	12.40	95	394698	48.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	152346	19.926	ug/l	98
3) Chloromethane	2.06	50	155499	19.115	ug/l	100
4) Vinyl Chloride	2.19	62	154420	19.555	ug/l	99
5) Bromomethane	2.57	94	102866	19.922	ug/l	97
6) Chloroethane	2.71	64	89113	19.747	ug/l	98
7) Trichlorofluoromethane	3.02	101	204050	19.055	ug/l	100
8) Diethyl Ether	3.41	74	73101	18.692	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	130002	19.629	ug/l	99
10) Methyl Iodide	3.96	142	189557	18.235	ug/l	100
11) Tert butyl alcohol	4.78	59	38389	94.364	ug/l #	84
12) 1,1-Dichloroethene	3.74	96	121913	19.213	ug/l	97
13) Acrolein	3.61	56	26874	121.329	ug/l	94
14) Allyl chloride	4.33	41	188114	18.620	ug/l	98
15) Acrylonitrile	4.99	53	211886	96.478	ug/l	99
16) Acetone	3.82	43	164414	93.248	ug/l	99
17) Carbon Disulfide	4.06	76	361129	18.278	ug/l	100
18) Methyl Acetate	4.33	43	96917	18.560	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	307561	19.120	ug/l	98
20) Methylene Chloride	4.55	84	135953	18.379	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	128419	18.759	ug/l	99
22) Diisopropyl ether	5.95	45	356446	19.041	ug/l	97
23) Vinyl Acetate	5.90	43	1217232	93.993	ug/l	99
24) 1,1-Dichloroethane	5.85	63	235881	18.892	ug/l	99
25) 2-Butanone	6.84	43	231079	91.891	ug/l	99
26) 2,2-Dichloropropane	6.82	77	172313	18.078	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	145846	19.160	ug/l	99
28) Bromochloromethane	7.20	49	110443	20.383	ug/l	96
29) Tetrahydrofuran	7.21	42	151255	93.670	ug/l	97
30) Chloroform	7.37	83	236780	19.130	ug/l	98
31) Cyclohexane	7.66	56	216279	18.498	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	197705	19.194	ug/l	99
36) 1,1-Dichloropropene	7.79	75	173818	18.816	ug/l	97
37) Ethyl Acetate	6.93	43	103566	20.074	ug/l	100
38) Carbon Tetrachloride	7.77	117	177501	19.074	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	208125	18.990	ug/l	100
40) Benzene	8.04	78	548195	19.244	ug/l	99
41) Methacrylonitrile	7.17	41	51582	17.889	ug/l #	86
42) 1,2-Dichloroethane	8.12	62	164099	19.401	ug/l	100
43) Isopropyl Acetate	8.17	43	185220	18.590	ug/l #	88
44) Trichloroethene	8.83	130	148638	18.328	ug/l	98
45) 1,2-Dichloropropane	9.12	63	140846	19.331	ug/l	98
46) Dibromomethane	9.21	93	84242	19.180	ug/l	99
47) Bromodichloromethane	9.40	83	178166	19.510	ug/l	97
48) Methyl methacrylate	9.20	41	83476	17.551	ug/l	93
49) 1,4-Dioxane	9.20	88	26001	401.635	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	479613	97.957	ug/l	99
52) Toluene	10.16	92	334640	19.793	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	169775	18.566	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	204321	18.855	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	119385	19.596	ug/l	99
56) Ethyl methacrylate	10.43	69	134517	18.665	ug/l	99
57) 1,3-Dichloropropane	10.71	76	197504	18.969	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	375423	89.313	ug/l	99
59) 2-Hexanone	10.75	43	303806	91.402	ug/l	100
60) Dibromochloromethane	10.90	129	134280	19.546	ug/l	98
61) 1,2-Dibromoethane	11.00	107	114241	18.946	ug/l	98
64) Tetrachloroethene	10.63	164	147773	19.165	ug/l	99
65) Chlorobenzene	11.43	112	362492	18.973	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	127379	19.090	ug/l	99
67) Ethyl Benzene	11.51	91	605725	19.300	ug/l	100
68) m/p-Xylenes	11.62	106	476367	39.768	ug/l	99
69) o-Xylene	11.95	106	227744	19.680	ug/l	98
70) Styrene	11.96	104	372459	19.857	ug/l	100
71) Bromoform	12.13	173	91350	19.969	ug/l #	99
73) Isopropylbenzene	12.25	105	605434	19.706	ug/l	100
74) N-amyl acetate	12.07	43	136276	18.445	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	135156	18.381	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	114865m	20.462	ug/l	
77) Bromobenzene	12.53	156	156944	18.954	ug/l	97
78) n-propylbenzene	12.59	91	704553	19.837	ug/l	99
79) 2-Chlorotoluene	12.67	91	412781	19.589	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	517430	20.309	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	34021	17.041	ug/l	96
82) 4-Chlorotoluene	12.77	91	422390	19.535	ug/l	100
83) tert-Butylbenzene	12.99	119	455168	20.214	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	522276	20.121	ug/l	99
85) sec-Butylbenzene	13.17	105	619012	20.201	ug/l	100
86) p-Isopropyltoluene	13.29	119	543053	20.264	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	286606	19.254	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	280806	19.071	ug/l	99
89) n-Butylbenzene	13.62	91	462451	19.936	ug/l	99
90) Hexachloroethane	13.87	117	86892	19.657	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	275179	19.310	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	19798	18.892	ug/l	98

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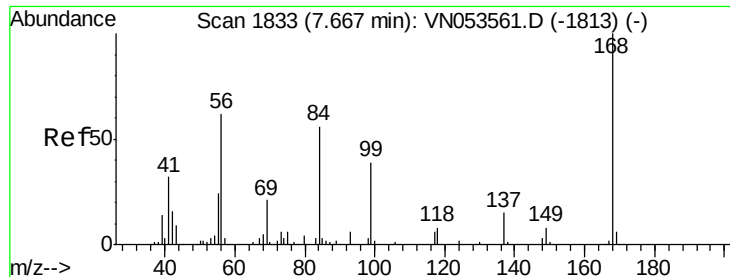
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	154361	18.887	ug/l	100
94) Hexachlorobutadiene	15.01	225	104268	20.486	ug/l	99
95) Naphthalene	15.13	128	303520	16.997	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	141265	18.628	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053589.D

Acq: 4 Feb 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

VN0204WBS01

Tot Ion:168 Resp: 685212

Ion Ratio Lower Upper

168 100

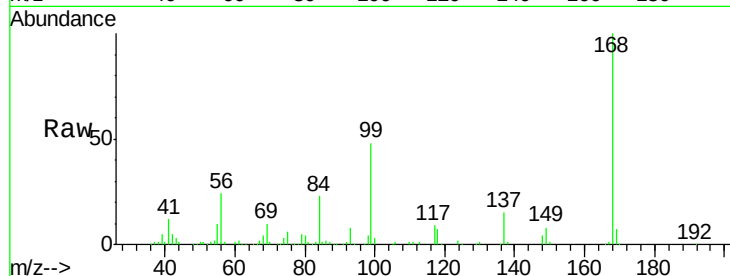
99 47.0 39.1 58.7

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

250000

200000

150000

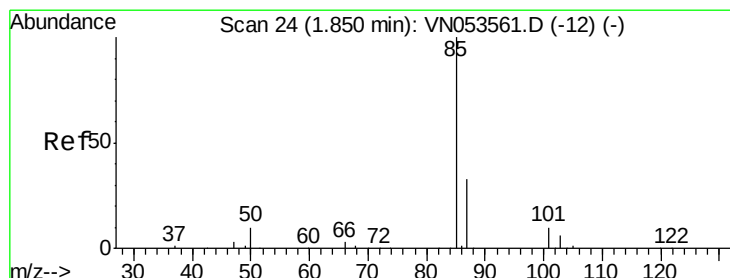
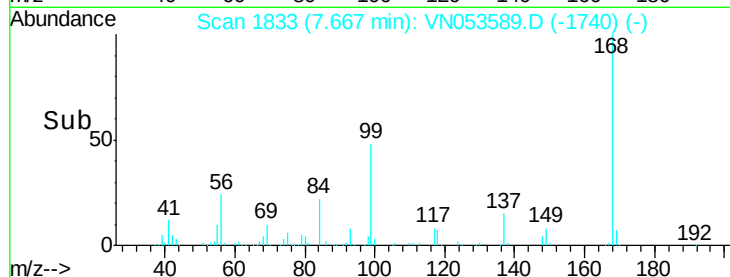
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50000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.926 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053589.D

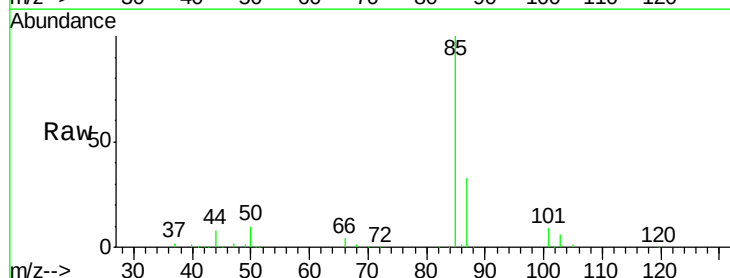
Acq: 4 Feb 2019 11:56

Tgt Ion: 85 Resp: 152346

Ion Ratio Lower Upper

85 100

87 33.2 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

120000

100000

80000

60000

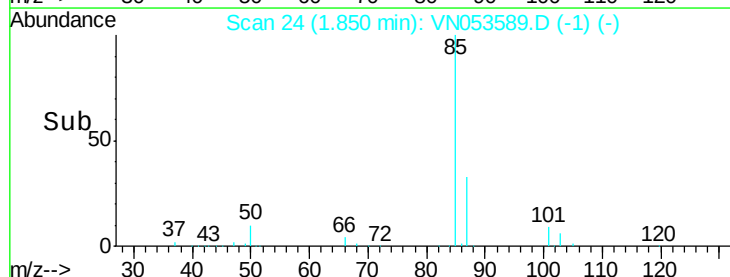
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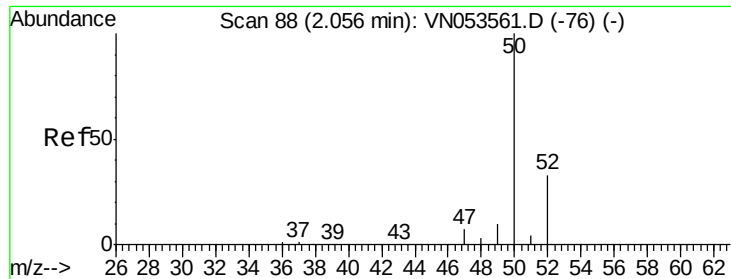
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.115 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN053589.D

Acq: 4 Feb 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

VN0204WBS01

Tot Ion: 50 Resp: 155499

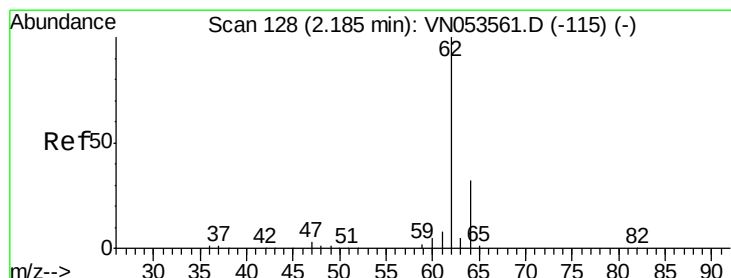
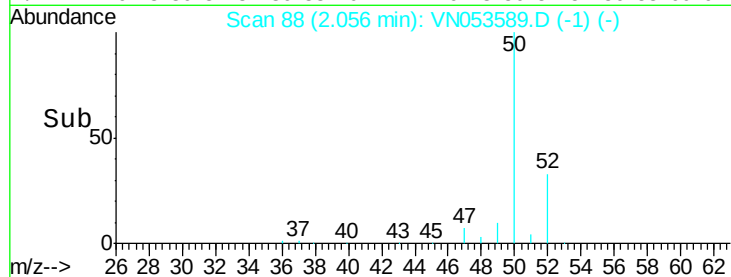
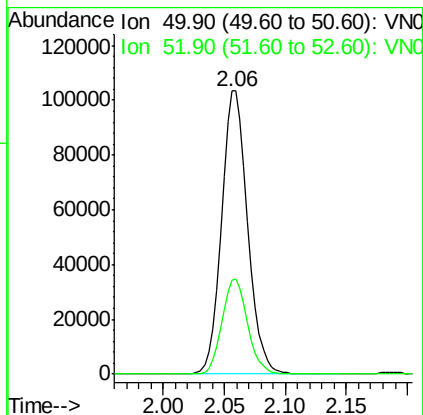
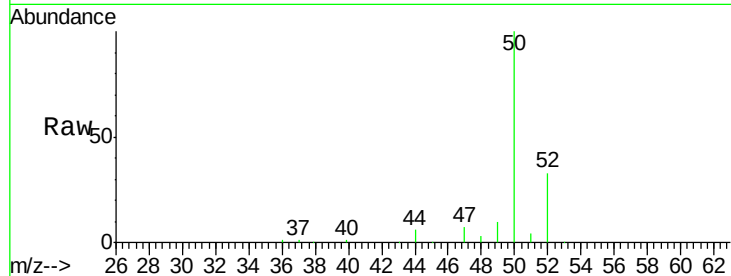
Ion Ratio Lower Upper

50 100

52 33.0 26.6 40.0

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#4

Vinyl Chloride

Concen: 19.555 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053589.D

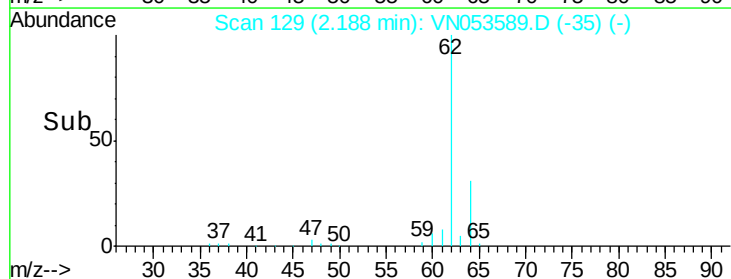
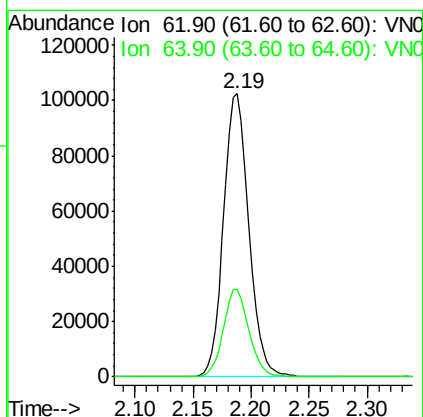
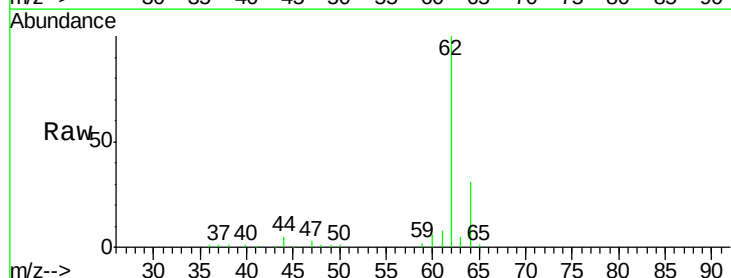
Acq: 4 Feb 2019 11:56

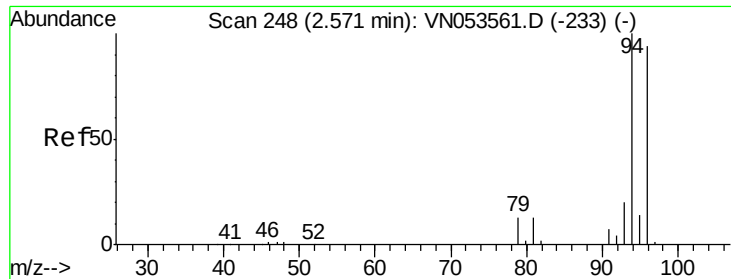
Tgt Ion: 62 Resp: 154420

Ion Ratio Lower Upper

62 100

64 31.0 25.4 38.2





#5

Bromomethane

Concen: 19.922 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN053589.D

Acq: 4 Feb 2019 11:56

Instrument :

MSVOA_N

ClientSampled :

VN0204WBS01

Tot Ion: 94 Resp: 102866

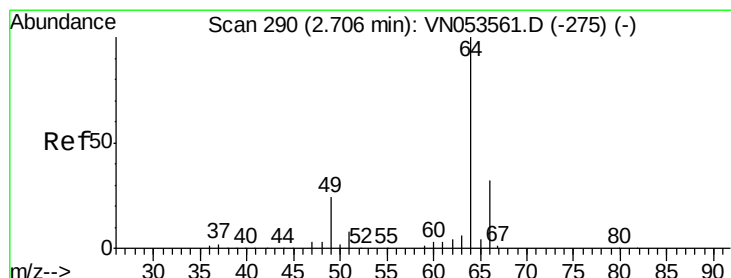
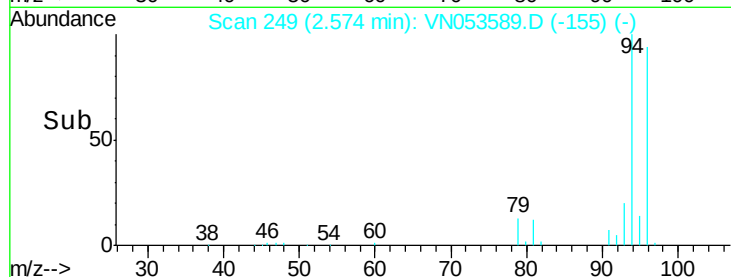
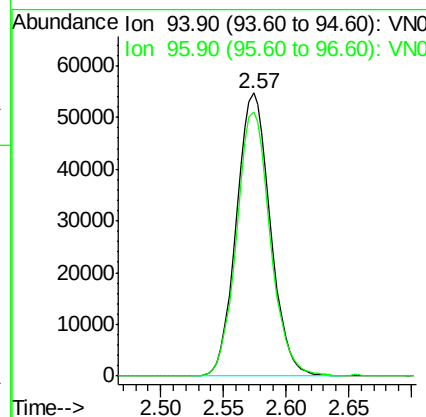
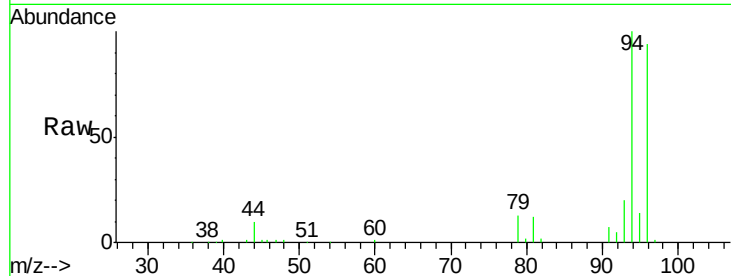
Ion Ratio Lower Upper

94 100

96 93.5 76.8 115.2

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#6

Chloroethane

Concen: 19.747 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053589.D

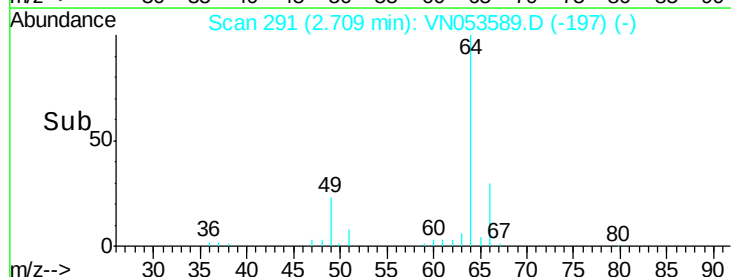
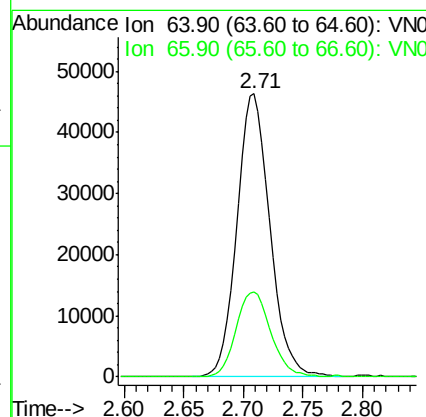
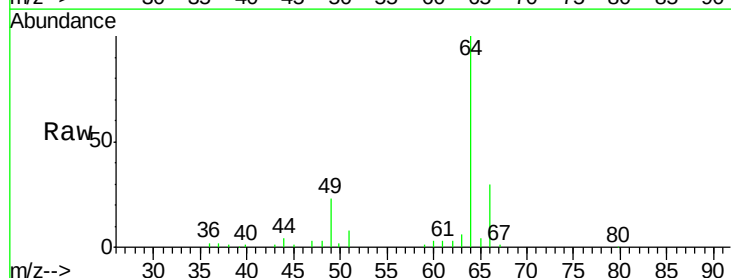
Acq: 4 Feb 2019 11:56

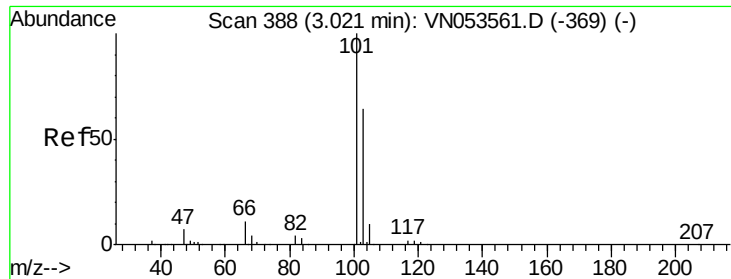
Tgt Ion: 64 Resp: 89113

Ion Ratio Lower Upper

64 100

66 30.0 25.1 37.7





#7

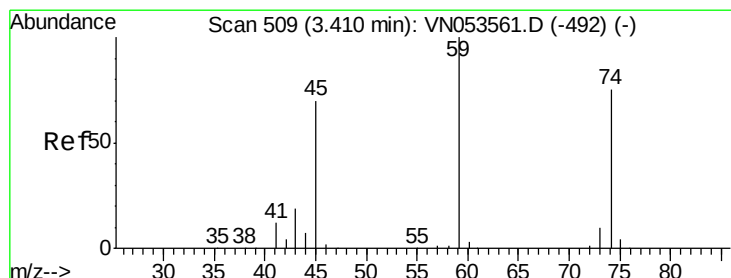
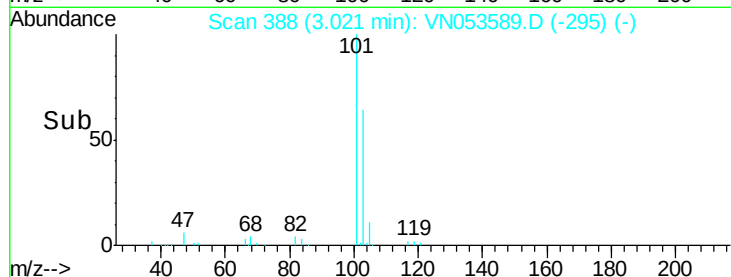
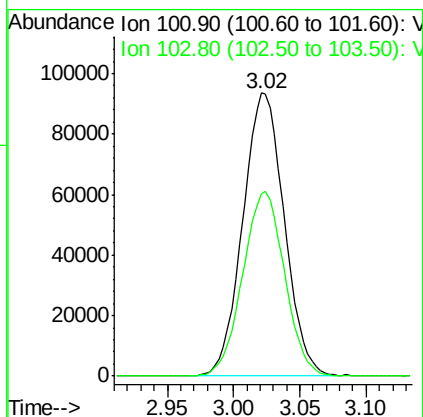
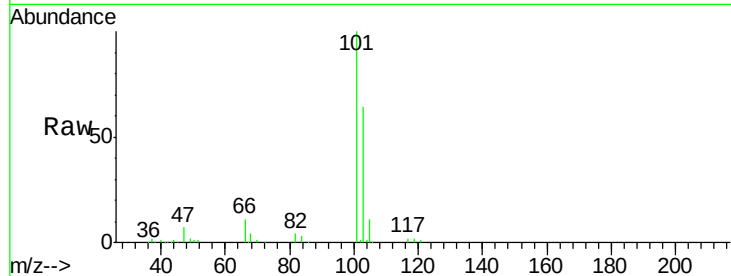
Trichlorofluoromethane
Concen: 19.055 ug/l
RT: 3.02 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

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ClientSampleId :
VN0204WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.6	77.4

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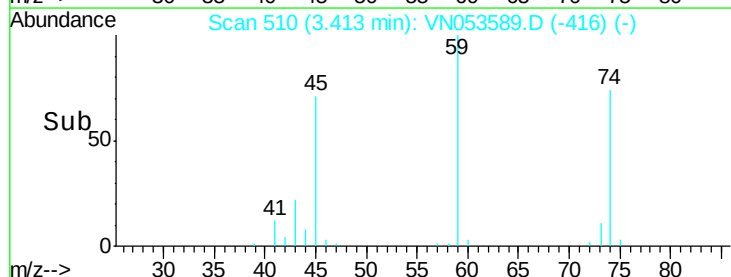
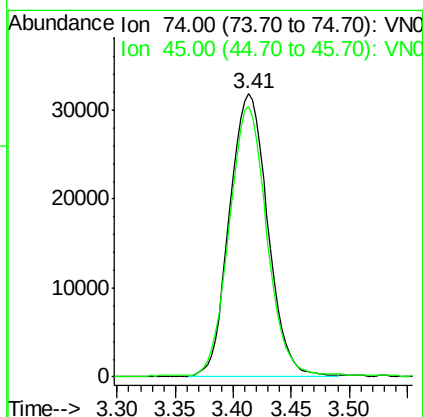
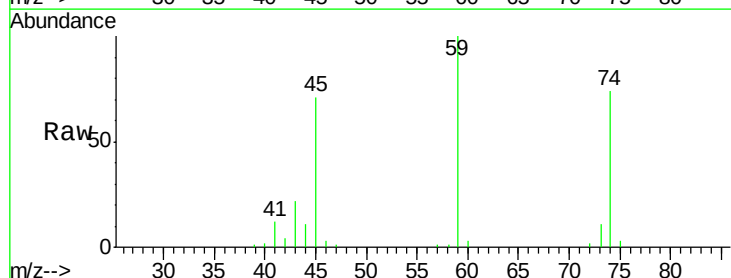
MMDadoda
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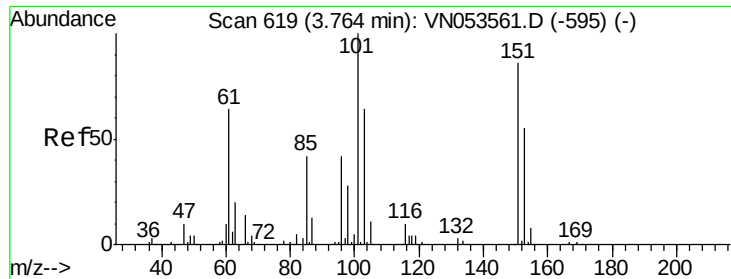


#8

Diethyl Ether
Concen: 18.692 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.3	47.9	143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.629 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053589.D

Acq: 4 Feb 2019 11:56

Instrument :

MSVOA_N

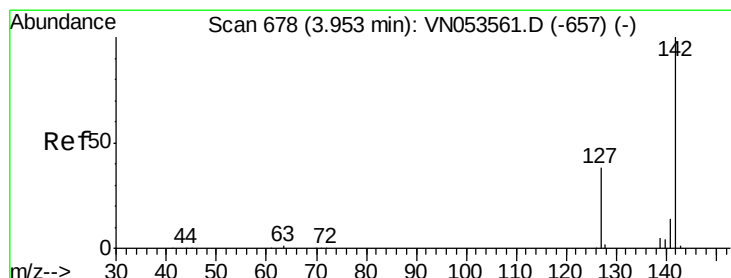
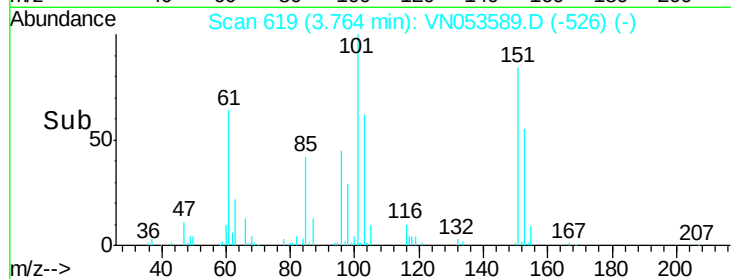
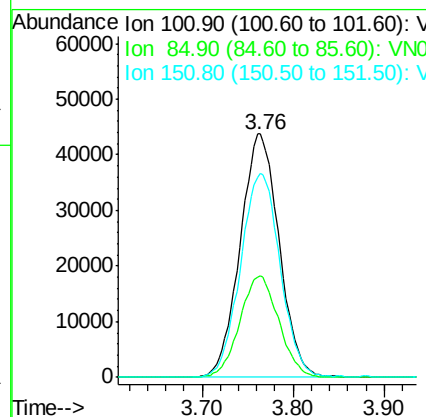
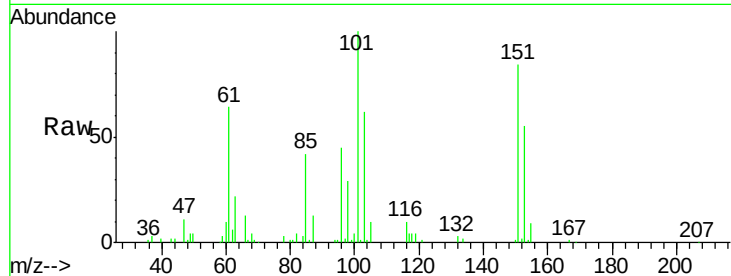
ClientSampleId :

VN0204WBS01

Tot Ion:	101	Resp:	130002
Ion Ratio	Lower	Upper	
101	100		
85	41.5	32.8	49.2
151	85.1	66.9	100.3

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#10

Methyl Iodide

Concen: 18.235 ug/l

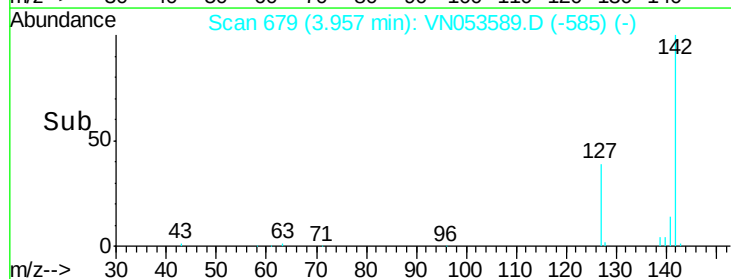
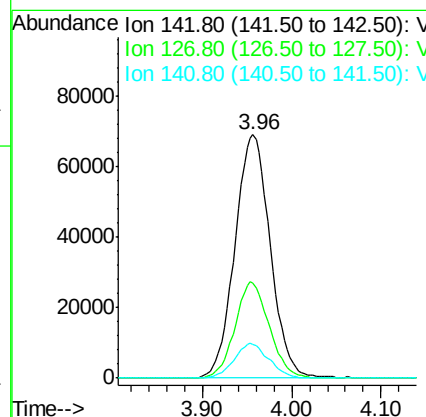
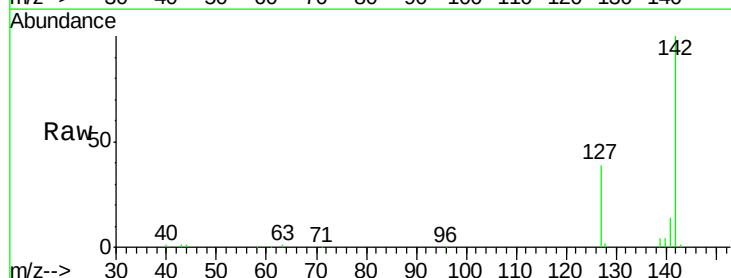
RT: 3.96 min Scan# 679

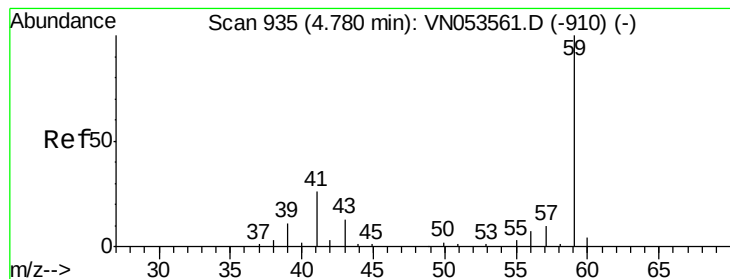
Delta R.T. 0.00 min

Lab File: VN053589.D

Acq: 4 Feb 2019 11:56

Tgt Ion:	142	Resp:	189557
Ion Ratio	Lower	Upper	
142	100		
127	38.3	31.0	46.4
141	13.8	11.1	16.7





#11

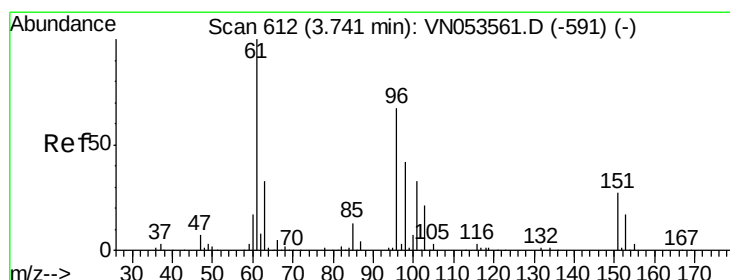
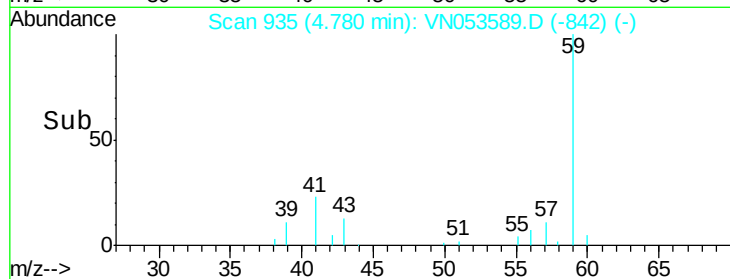
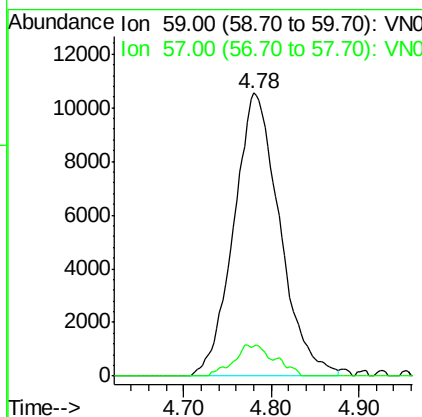
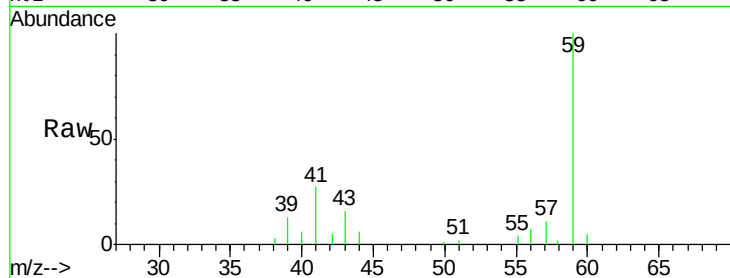
Tert butyl alcohol
 Concen: 94.364 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VN053589.D
 Acq: 4 Feb 2019 11:56

Instrument :
 MSVOA_N
 ClientSampled :
 VN0204WBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	38389		
57	4.3		8.2	12.4#

Manual Integrations
 APPROVED

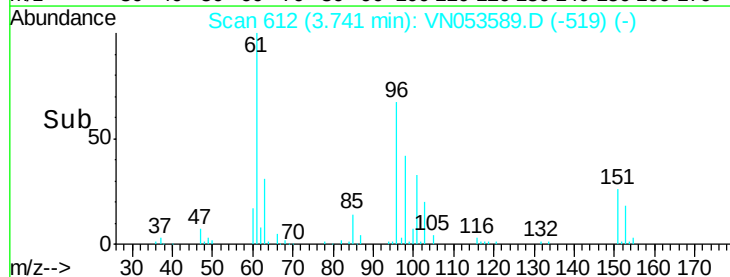
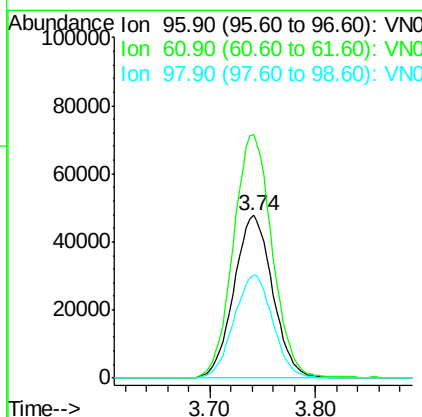
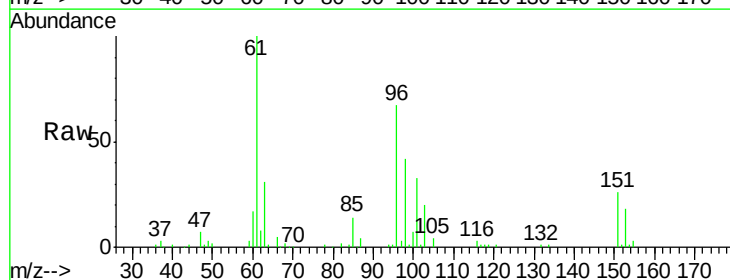
MMDadoda
 2/5/2019 9:53:46 AM

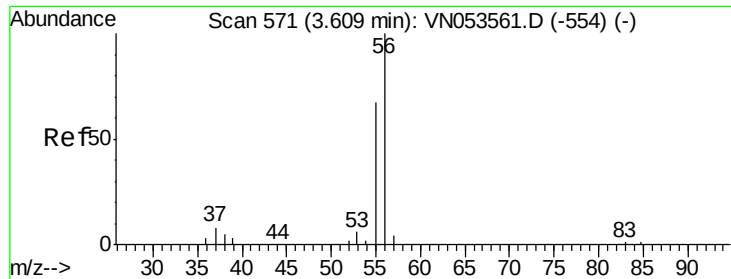


#12

1,1-Dichloroethene
 Concen: 19.213 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN053589.D
 Acq: 4 Feb 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	121913		
61	149.8		122.9	184.3
98	63.6		49.4	74.0





#13

Acrolein

Concen: 121.329 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053589.D

Acq: 4 Feb 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

VN0204WBS01

Tot Ion: 56 Resp: 26874

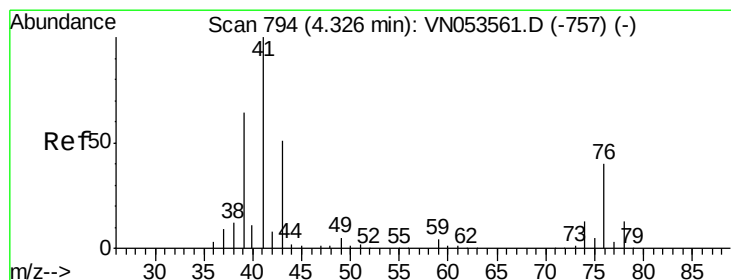
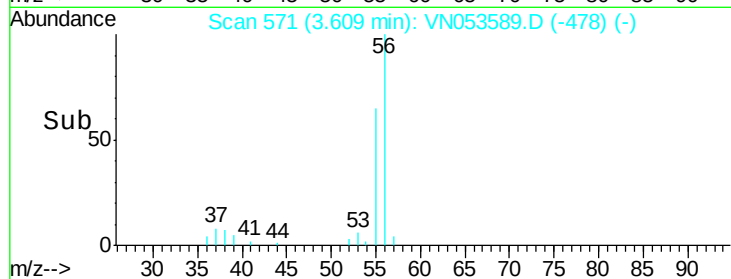
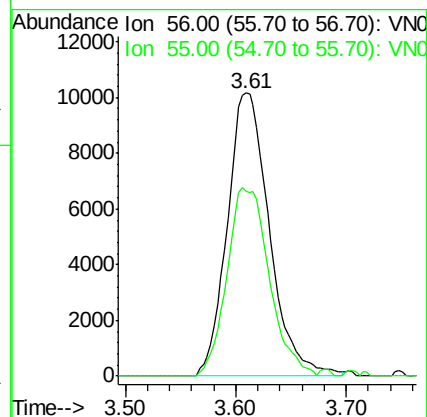
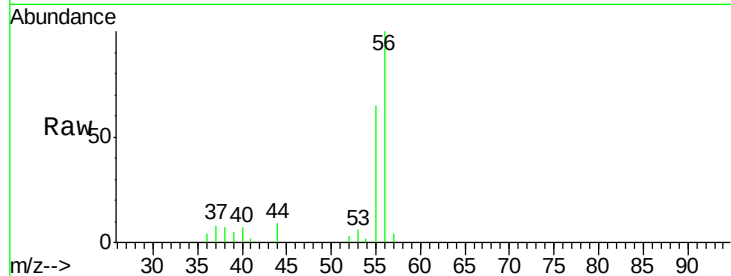
Ion Ratio Lower Upper

56 100

55 66.9 57.4 86.0

Manual Integrations
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#14

Allyl chloride

Concen: 18.620 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053589.D

Acq: 4 Feb 2019 11:56

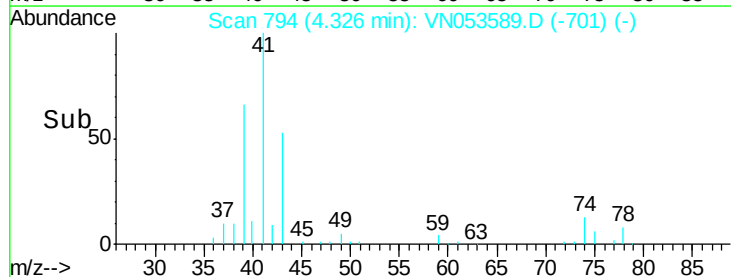
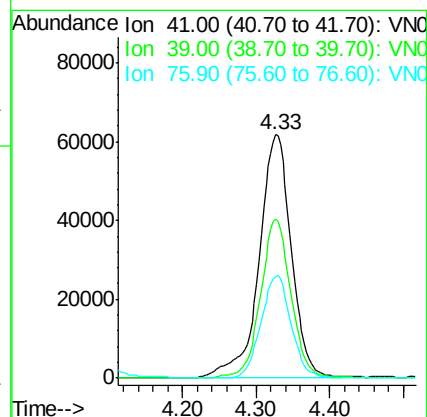
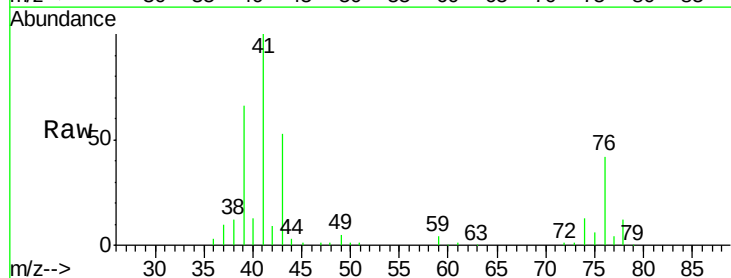
Tgt Ion: 41 Resp: 188114

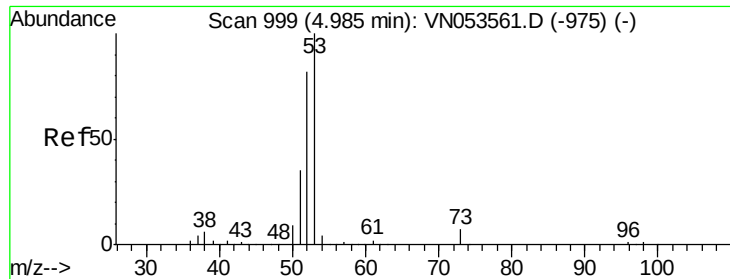
Ion Ratio Lower Upper

41 100

39 61.6 48.9 73.3

76 39.2 29.4 44.2





#15

Acrylonitrile

Concen: 96.478 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053589.D

Acq: 4 Feb 2019 11:56

Instrument :

MSVOA_N

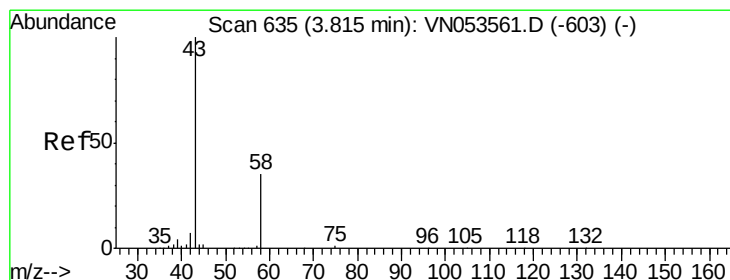
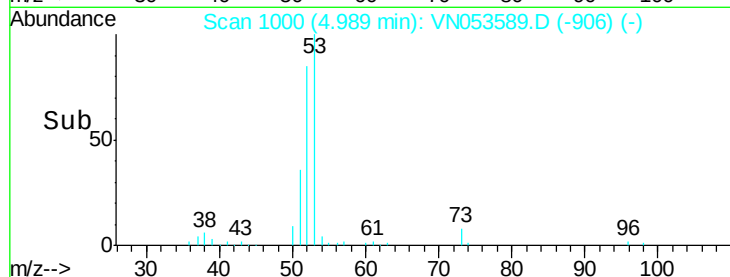
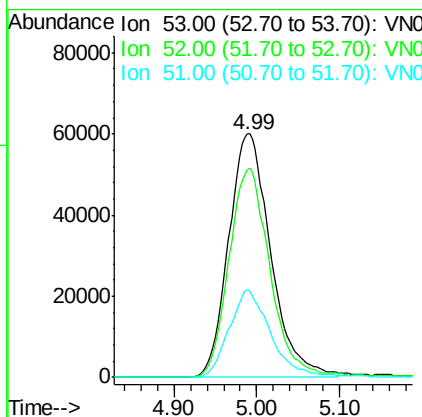
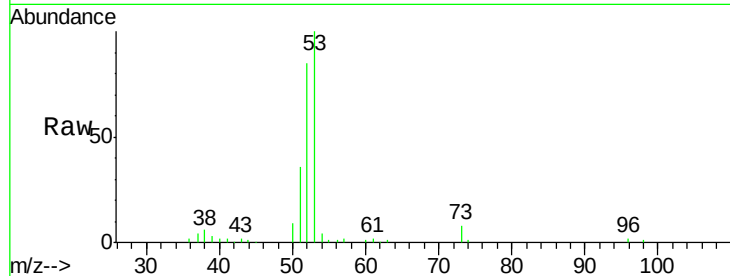
ClientSampleId :

VN0204WBS01

Tot Ion:	53	Resp:	211886
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.0	99.0
51	35.0	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 93.248 ug/l

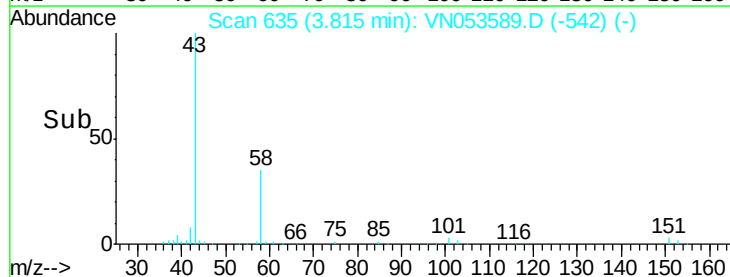
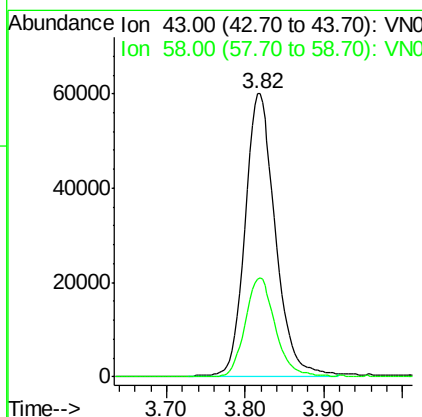
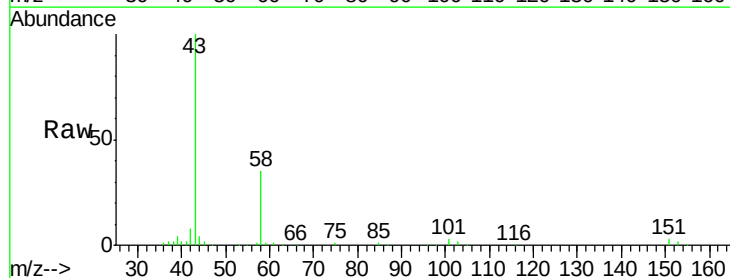
RT: 3.82 min Scan# 635

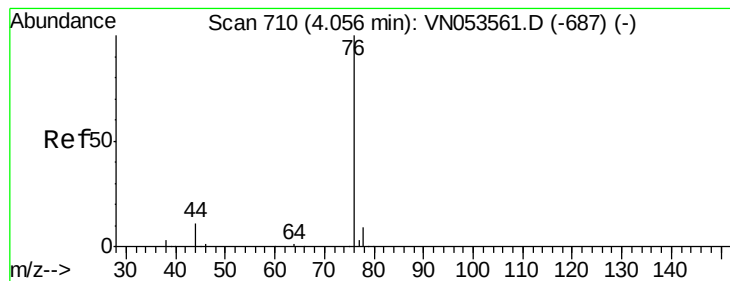
Delta R.T. 0.00 min

Lab File: VN053589.D

Acq: 4 Feb 2019 11:56

Tgt Ion:	43	Resp:	164414
Ion	Ratio	Lower	Upper
43	100		
58	34.6	27.1	40.7





#17

Carbon Disulfide

Concen: 18.278 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN053589.D

Acq: 4 Feb 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

VN0204WBS01

Tot Ion: 76 Resp: 361129

Ion Ratio Lower Upper

76 100

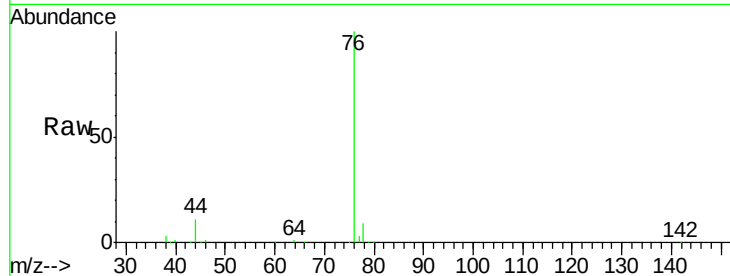
78 9.1 7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.06

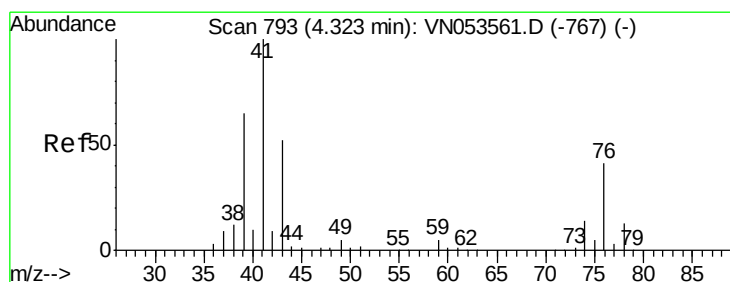
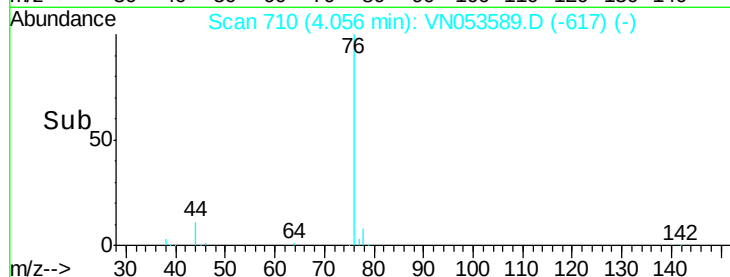
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 18.560 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053589.D

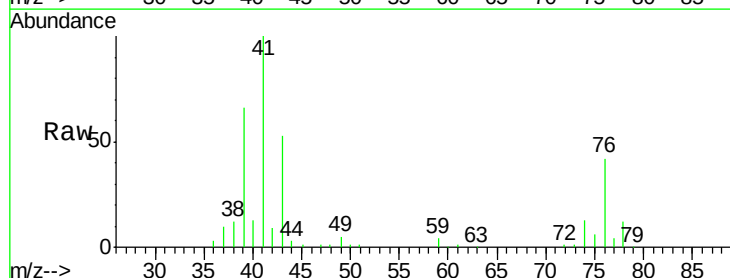
Acq: 4 Feb 2019 11:56

Tgt Ion: 43 Resp: 96917

Ion Ratio Lower Upper

43 100

74 24.5 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

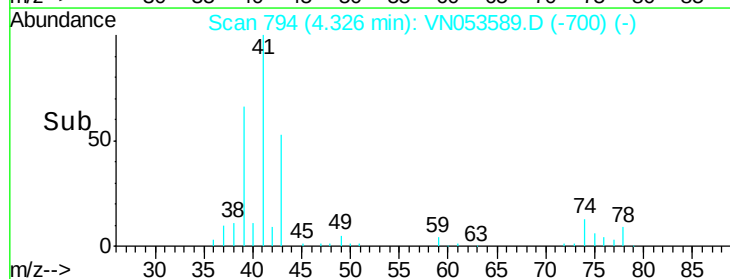
30000

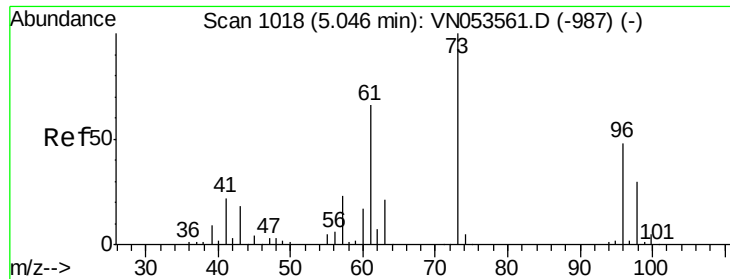
20000

10000

0

Time-->





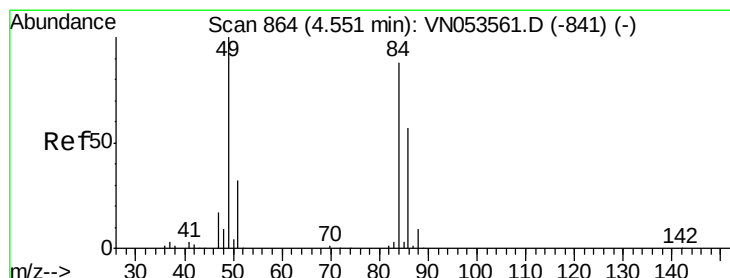
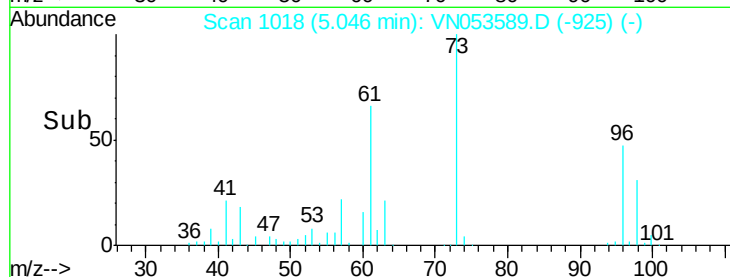
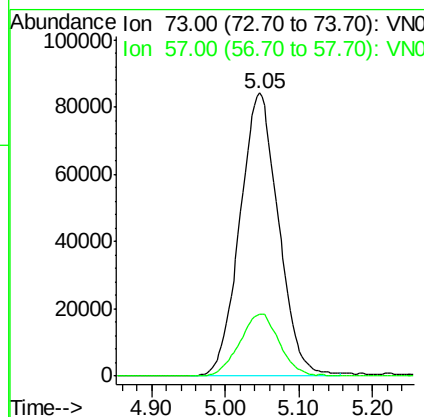
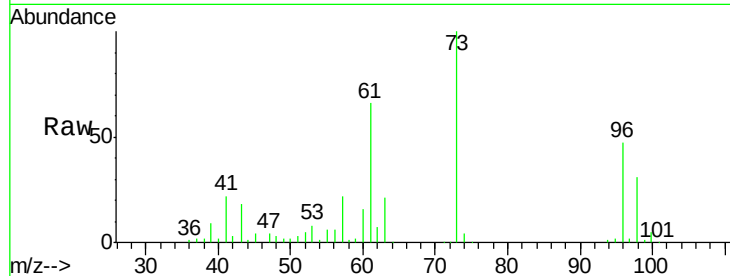
#19
Methvl tert-butvl Ether
Concen: 19.120 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

Instrument :
MSVOA_N
ClientSampleId :
VN0204WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.1	18.3	27.5

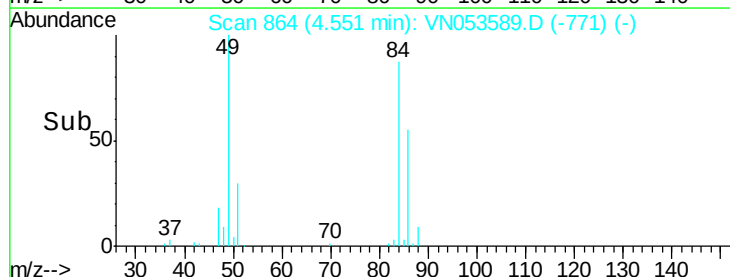
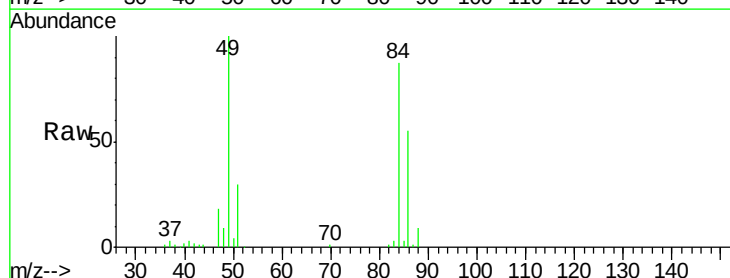
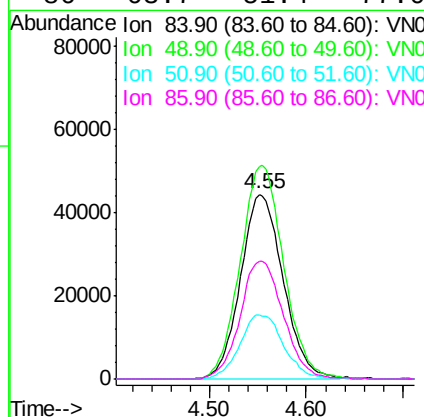
Manual Integrations
APPROVED

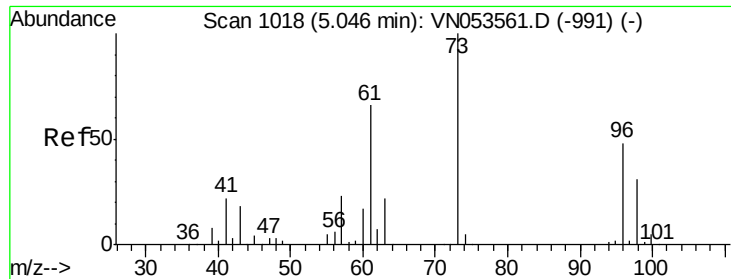
MMDadoda
2/5/2019 9:53:46 AM



#20
Methylene Chloride
Concen: 18.379 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
84	100		
49	115.2	94.3	141.5
51	34.4	29.4	44.2
86	63.7	51.4	77.0





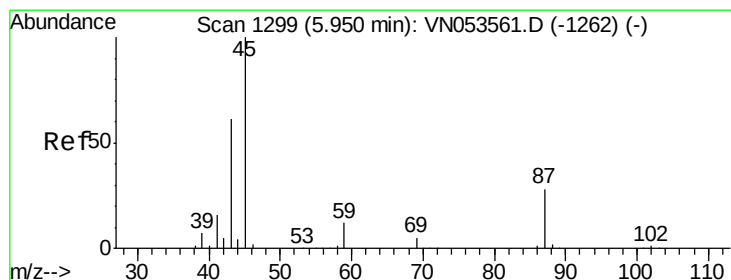
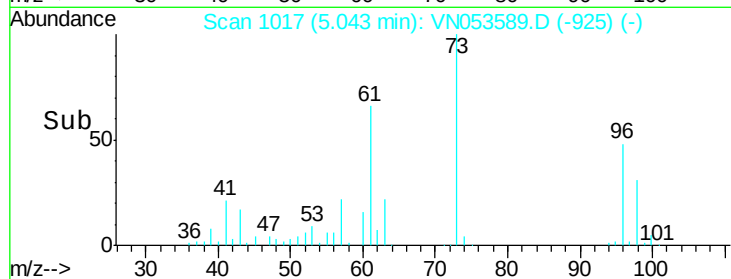
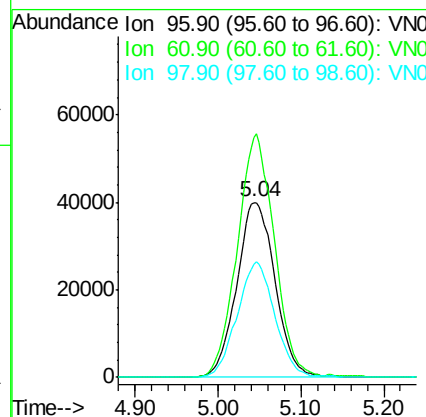
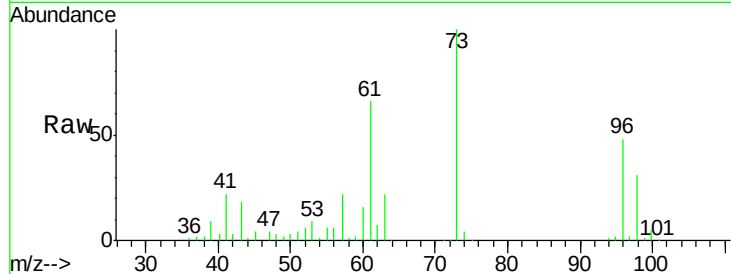
#21
trans-1,2-Dichloroethene
Concen: 18.759 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

Instrument :
MSVOA_N
ClientSampled :
VN0204WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.7	110.1	165.1
98	64.6	50.0	75.0

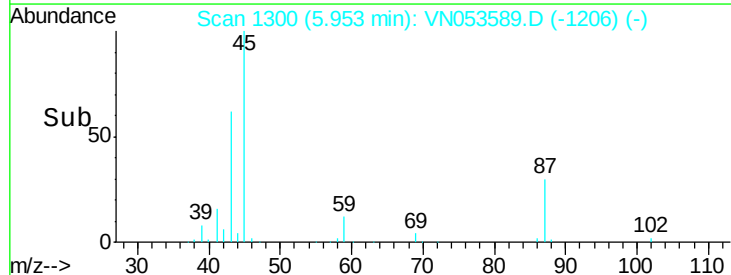
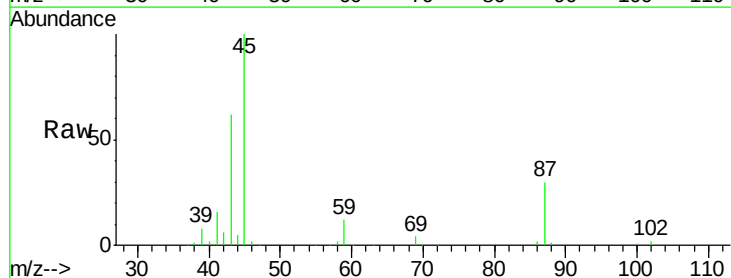
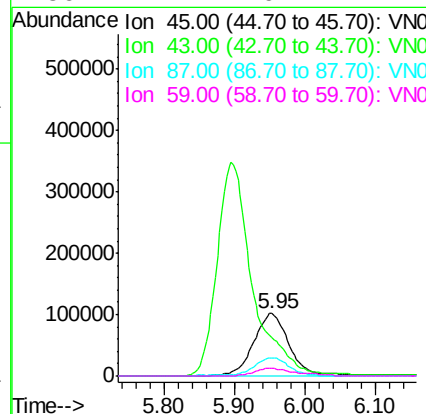
Manual Integrations
APPROVED

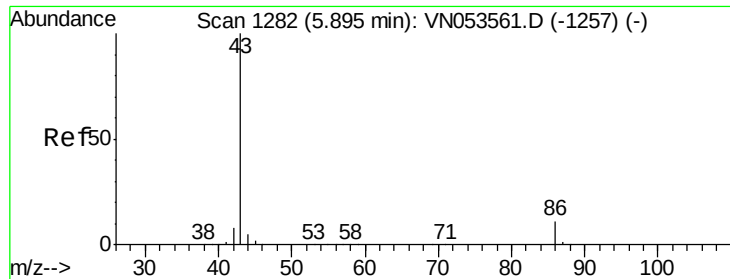
MMDadoda
2/5/2019 9:53:46 AM



#22
Diisopropyl ether
Concen: 19.041 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.7	44.2	66.4
87	28.8	22.7	34.1
59	12.2	9.4	14.2





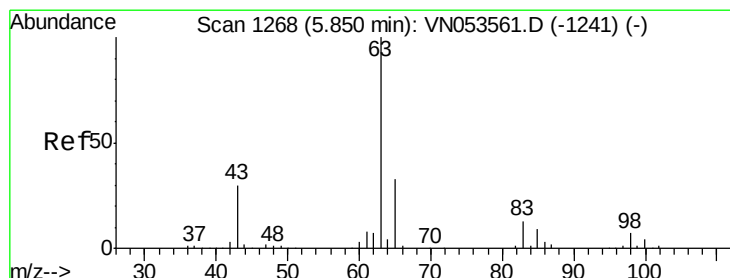
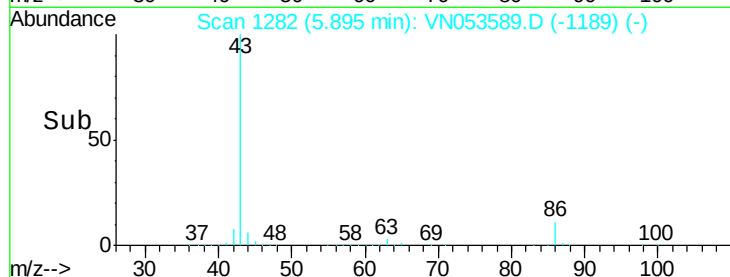
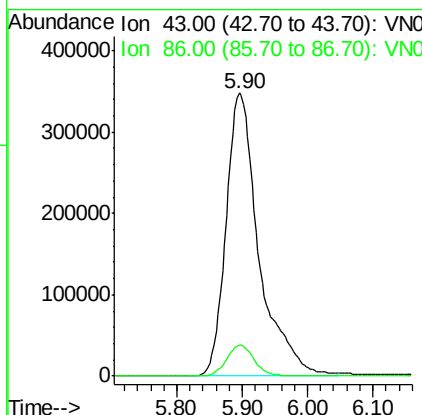
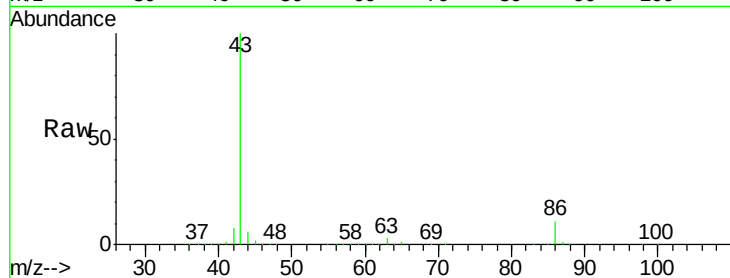
#23
 Vinyl Acetate
 Concen: 93.993 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053589.D
 Acq: 4 Feb 2019 11:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204WBS01

Tot Ion: 43 Resp: 1217232
 Ion Ratio Lower Upper
 43 100
 86 10.9 8.4 12.6

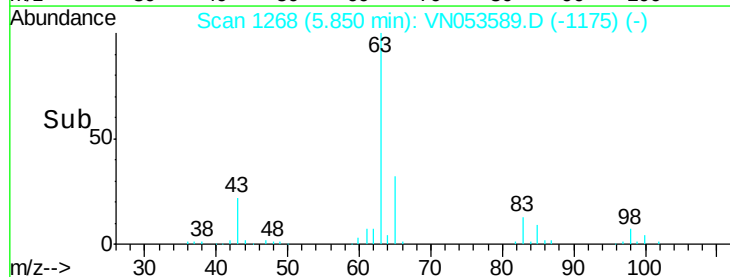
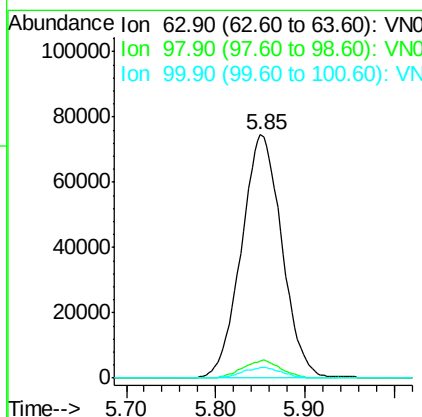
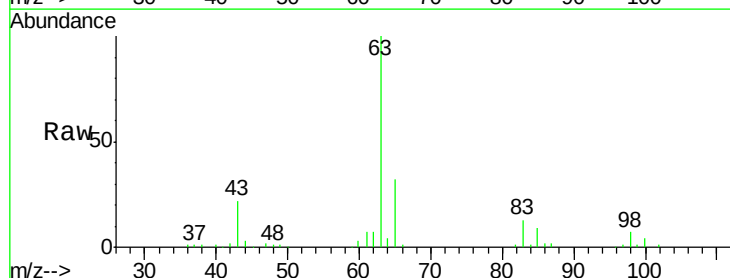
Manual Integrations
 APPROVED

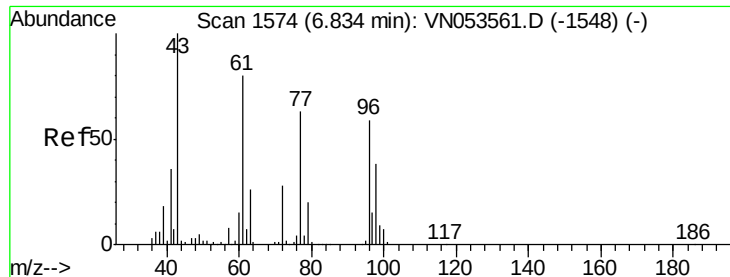
MMDadoda
 2/5/2019 9:53:46 AM



#24
 1,1-Dichloroethane
 Concen: 18.892 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN053589.D
 Acq: 4 Feb 2019 11:56

Tgt Ion: 63 Resp: 235881
 Ion Ratio Lower Upper
 63 100
 98 7.1 3.3 9.9
 100 4.4 2.1 6.5





#25

2-Butanone

Concen: 91.891 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN053589.D

Acq: 4 Feb 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

VN0204WBS01

Tot Ion: 43 Resp: 231079

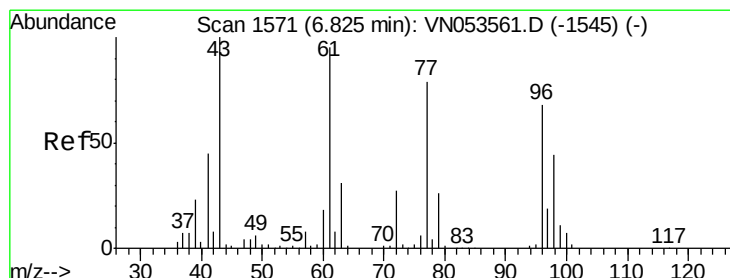
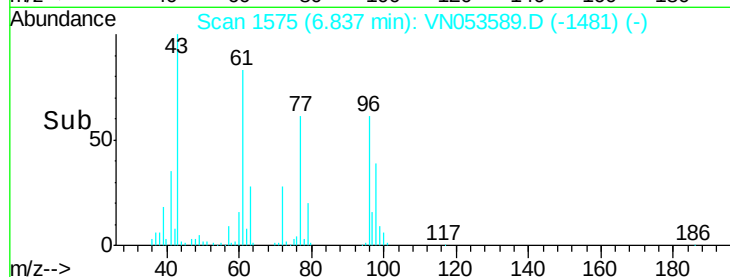
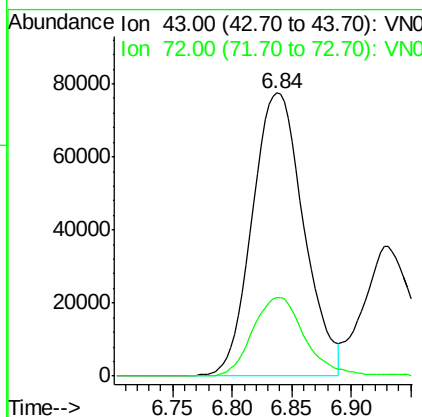
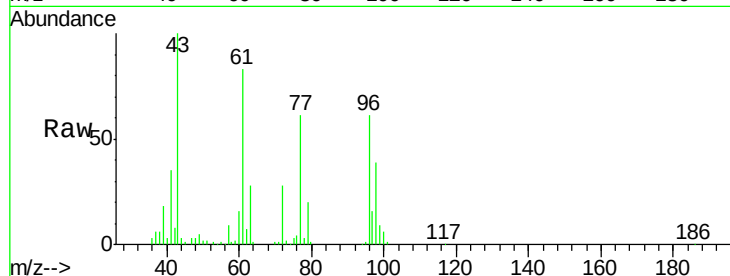
Ion Ratio Lower Upper

43 100

72 28.0 22.0 33.0

Manual Integrations
APPROVED

MMDadoda
2/5/2019 9:53:46 AM



#26

2,2-Dichloropropane

Concen: 18.078 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN053589.D

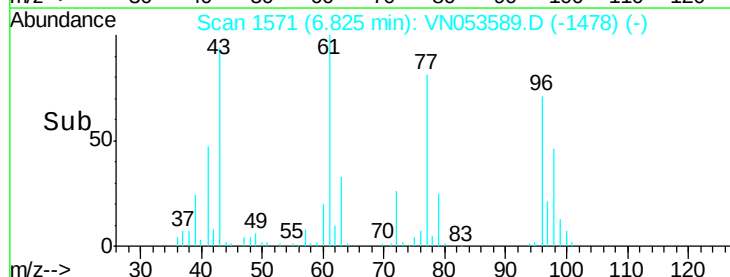
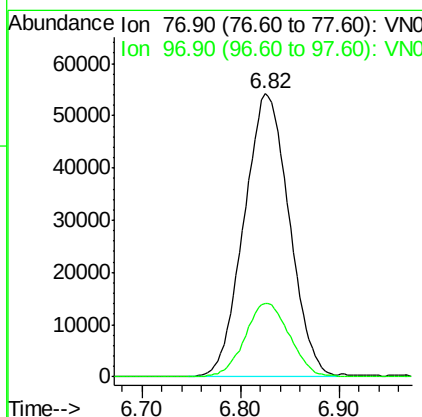
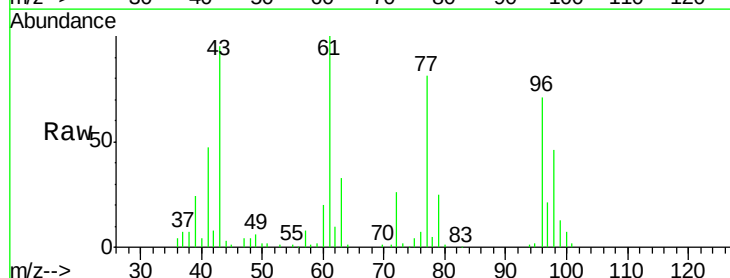
Acq: 4 Feb 2019 11:56

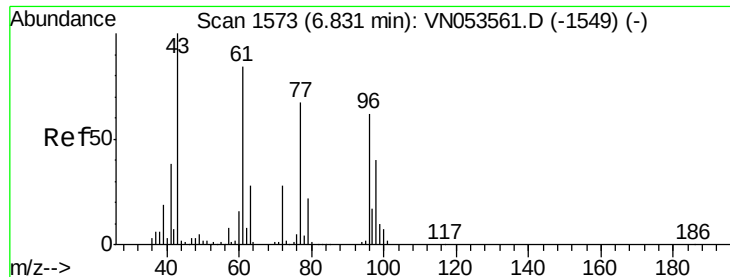
Tgt Ion: 77 Resp: 172313

Ion Ratio Lower Upper

77 100

97 25.7 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 19.160 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053589.D

Acq: 4 Feb 2019 11:56

Instrument :

MSVOA_N

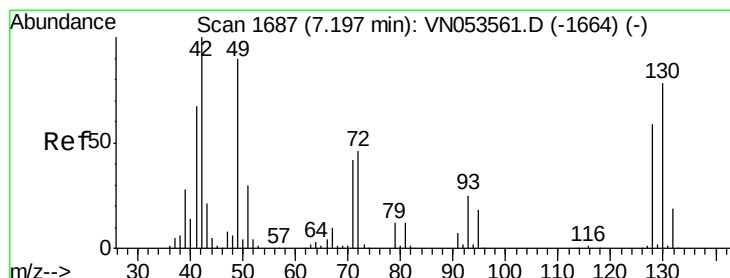
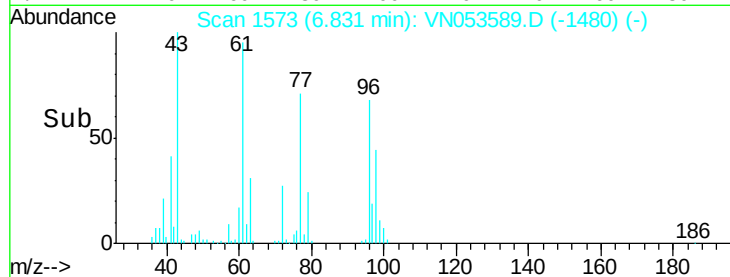
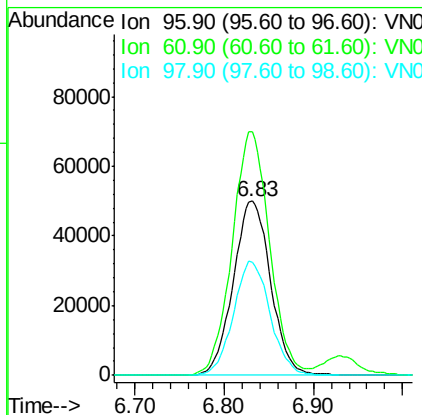
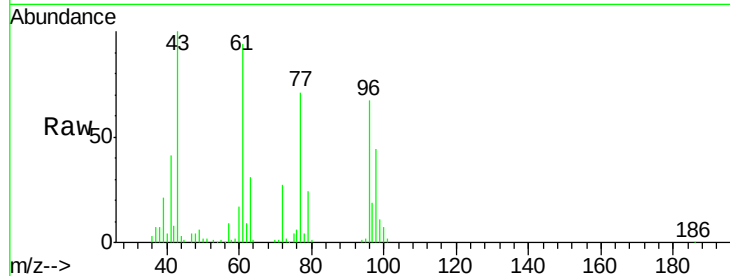
ClientSampleId :

VN0204WBS01

Tot Ion:	96	Resp:	145846
Ion	Ratio	Lower	Upper
96	100		
61	139.7	0.0	283.8
98	64.3	0.0	129.2

Manual Integrations
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#28

Bromochloromethane

Concen: 20.383 ug/l

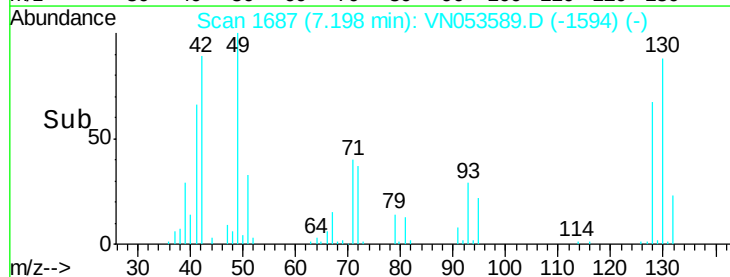
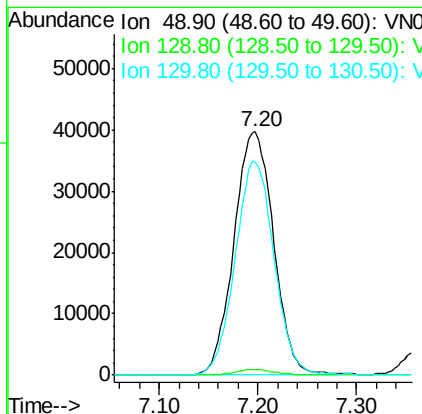
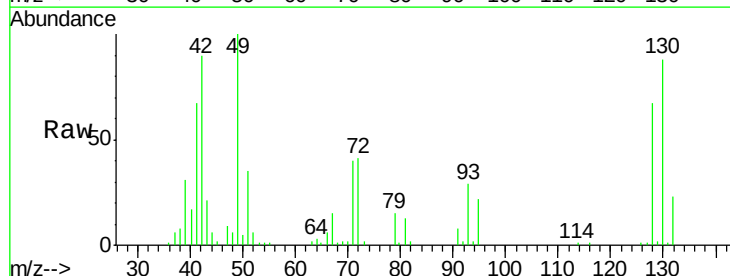
RT: 7.20 min Scan# 1687

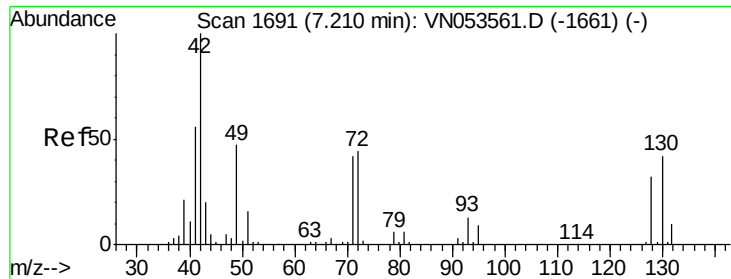
Delta R.T. 0.00 min

Lab File: VN053589.D

Acq: 4 Feb 2019 11:56

Tgt Ion:	49	Resp:	110443
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.0
130	86.5	66.3	99.5





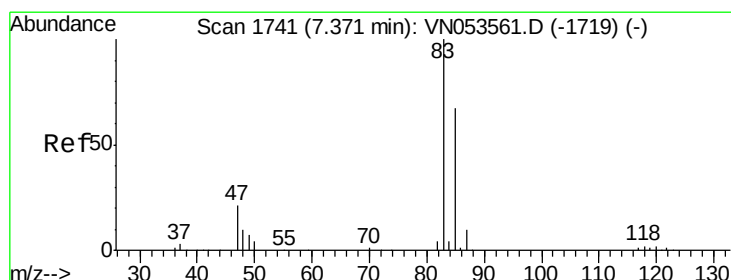
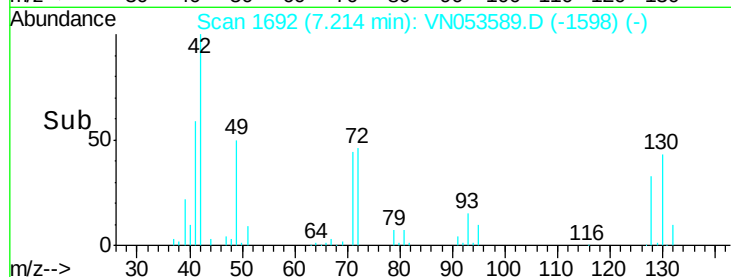
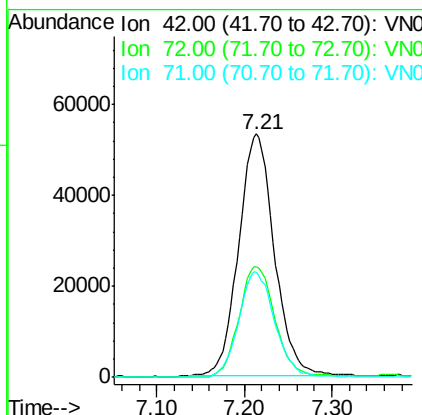
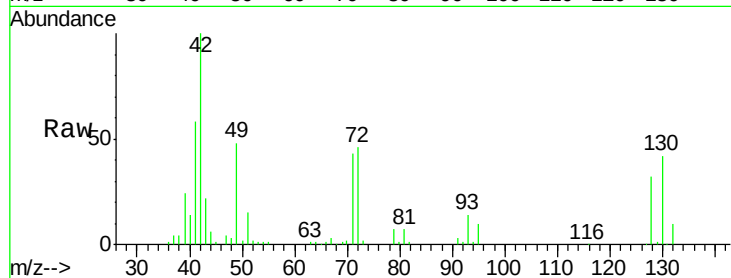
#29
Tetrahydrofuran
Concen: 93.670 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

Instrument :
MSVOA_N
ClientSampleId :
VN0204WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.0	35.2	52.8
71	43.6	33.0	49.4

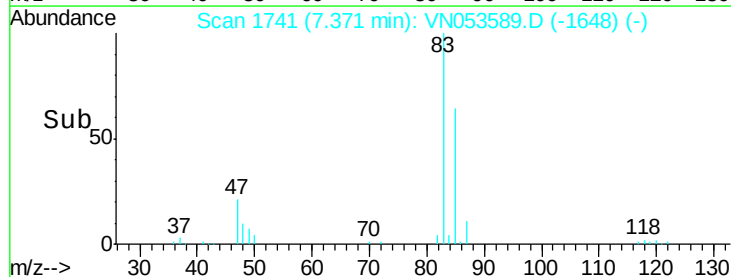
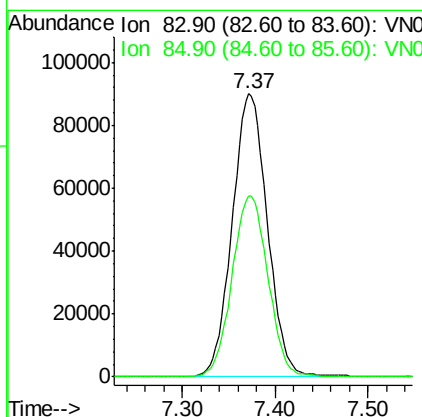
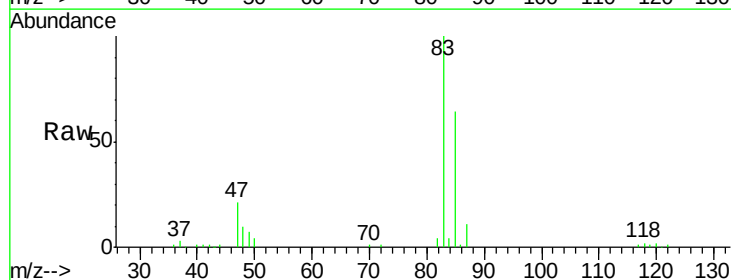
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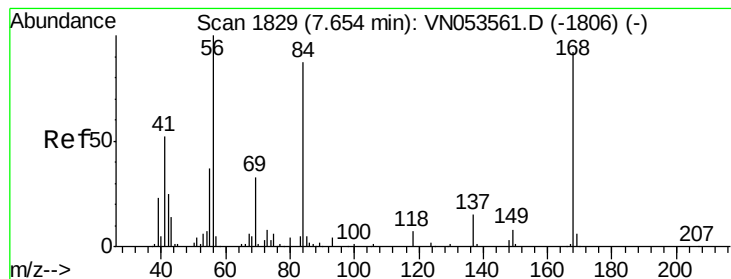
MMDadoda
2/5/2019 9:53:46 AM



#30
Chloroform
Concen: 19.130 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.2	78.2





#31

Cyclohexane

Concen: 18.498 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053589.D

Acq: 4 Feb 2019 11:56

Instrument :

MSVOA_N

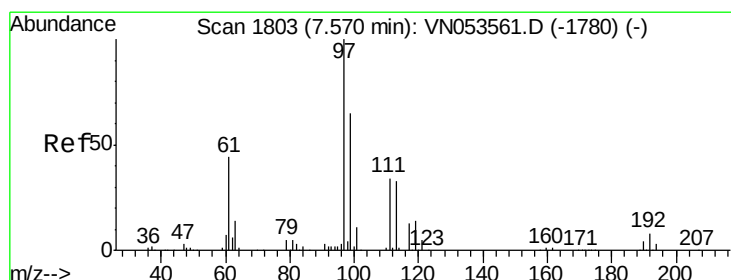
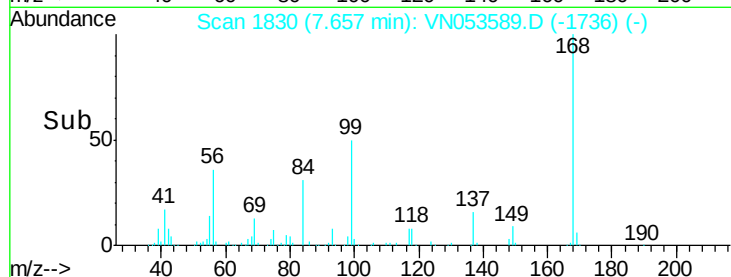
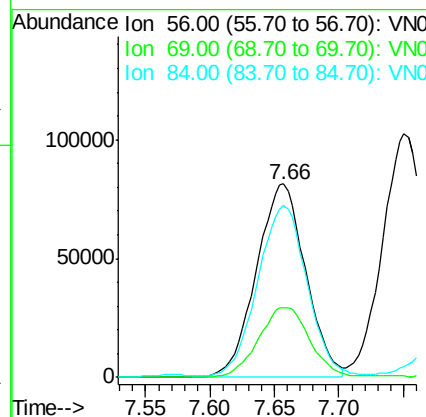
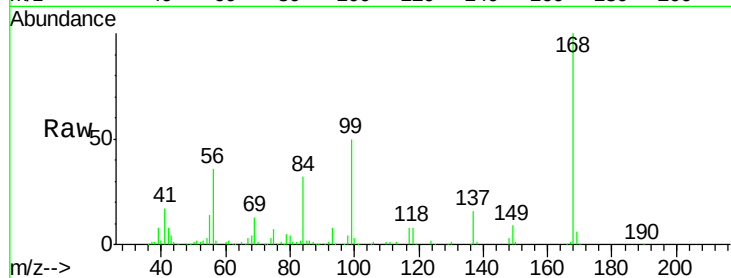
ClientSampled :

VN0204WBS01

Tot Ion:	56	Resp:	216279
Ion Ratio	Lower	Upper	
56	100		
69	36.0	26.4	39.6
84	87.7	67.9	101.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.194 ug/l

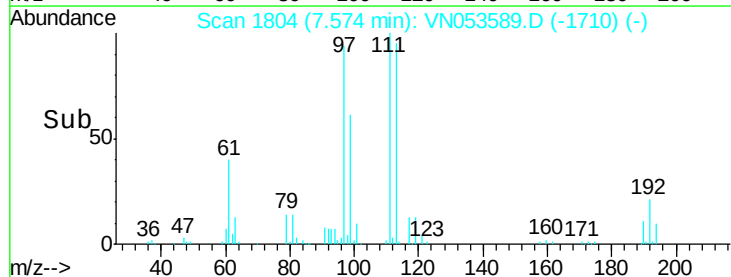
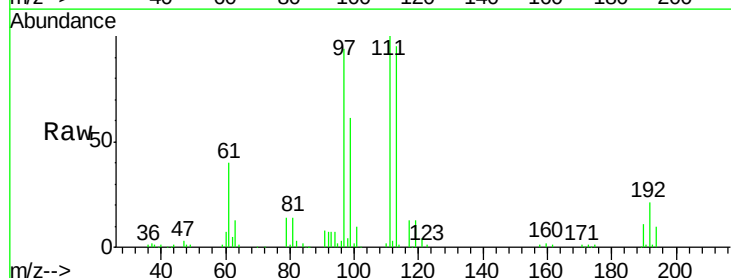
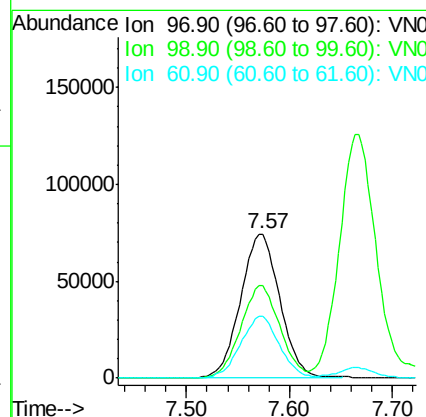
RT: 7.57 min Scan# 1804

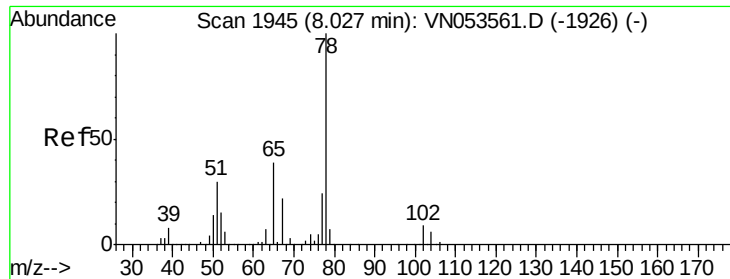
Delta R.T. 0.00 min

Lab File: VN053589.D

Acq: 4 Feb 2019 11:56

Tgt Ion:	97	Resp:	197705
Ion Ratio	Lower	Upper	
97	100		
99	63.9	52.0	78.0
61	42.1	34.4	51.6





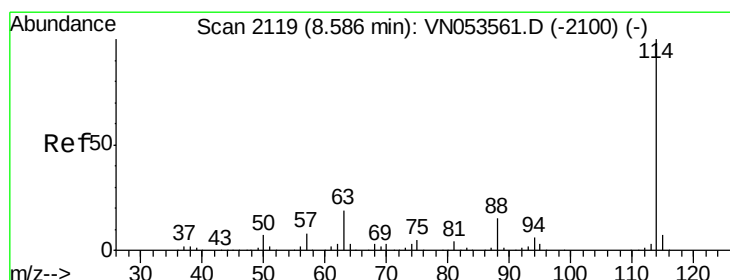
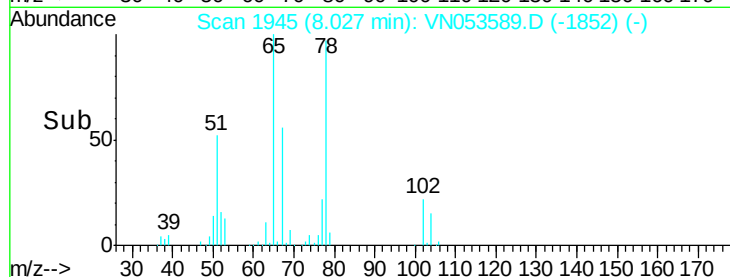
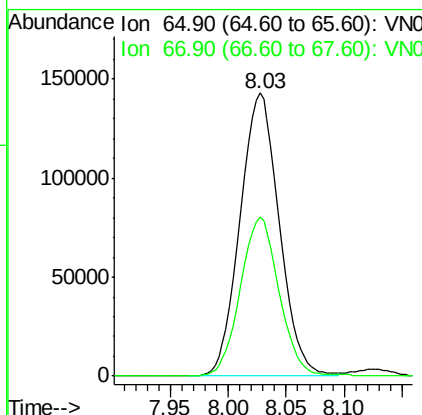
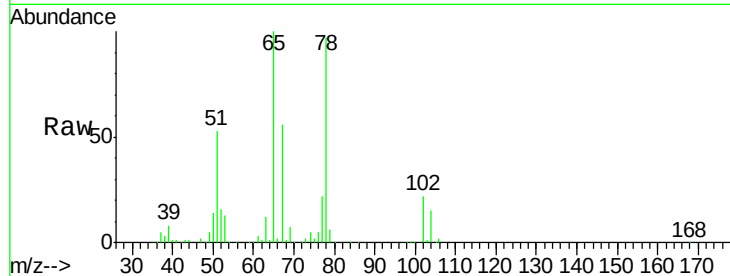
#33
 1,2-Dichloroethane-d4
 Concen: 19.194 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053589.D
 Acq: 4 Feb 2019 11:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.6	0.0	111.2	

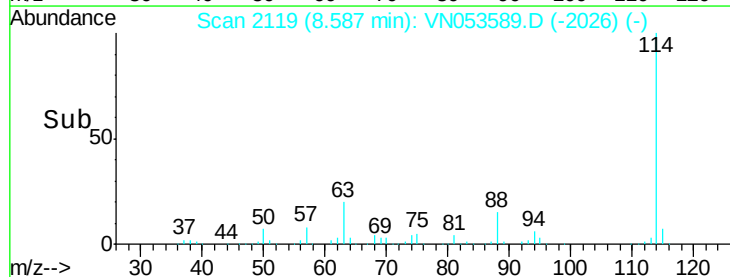
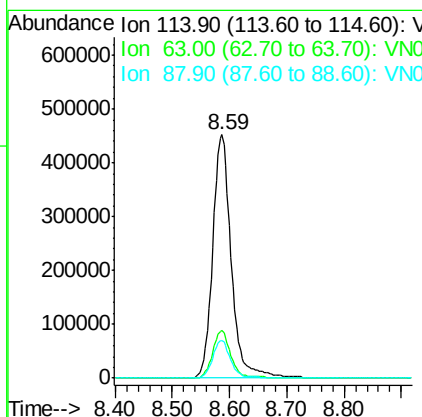
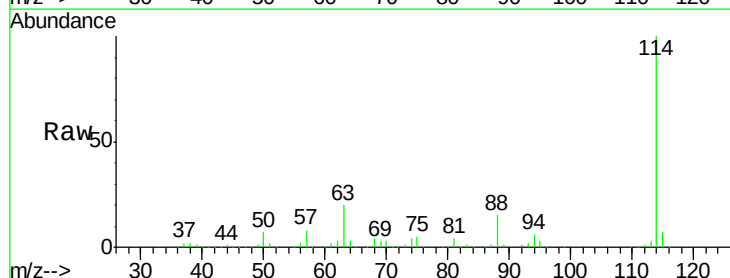
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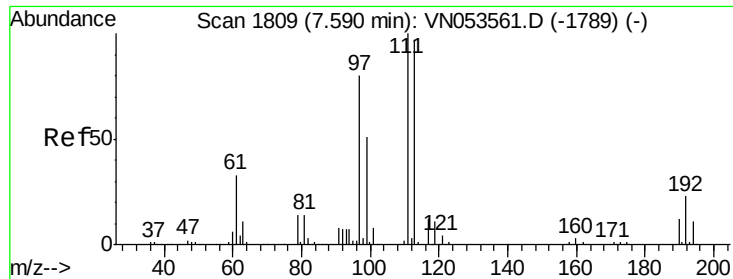
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053589.D
 Acq: 4 Feb 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.6	0.0	38.6	
88	15.3	0.0	30.4	





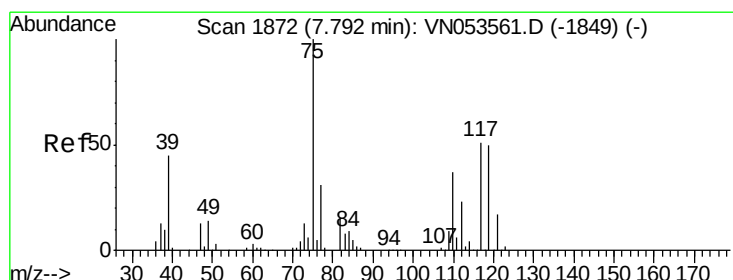
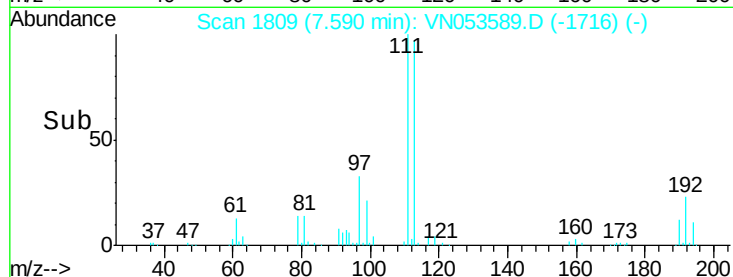
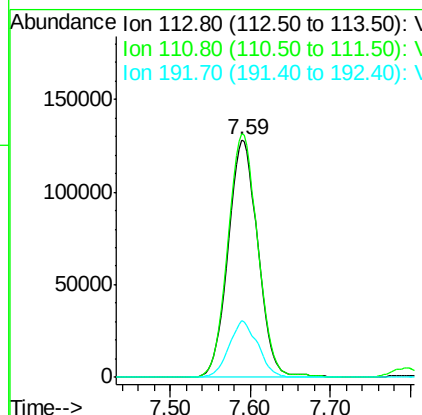
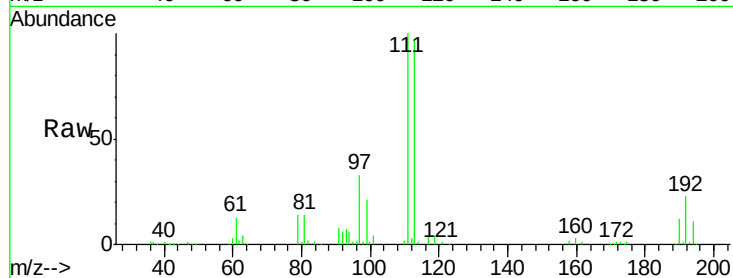
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

Instrument :
MSVOA_N
ClientSampled :
VN0204WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.4	81.1	121.7	
192	23.2	18.2	27.2	

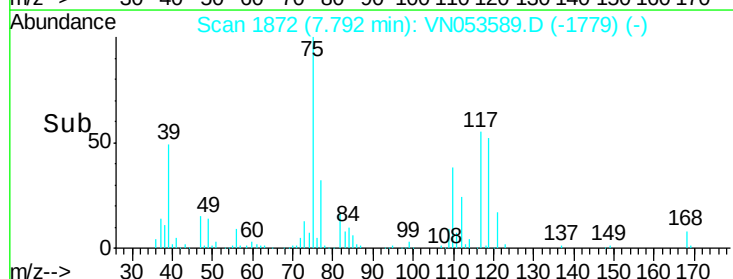
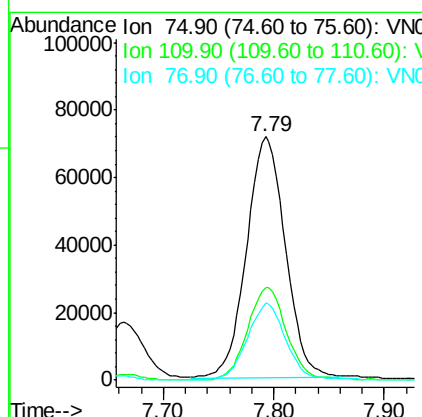
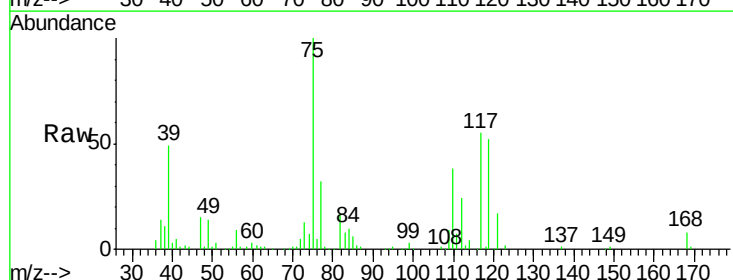
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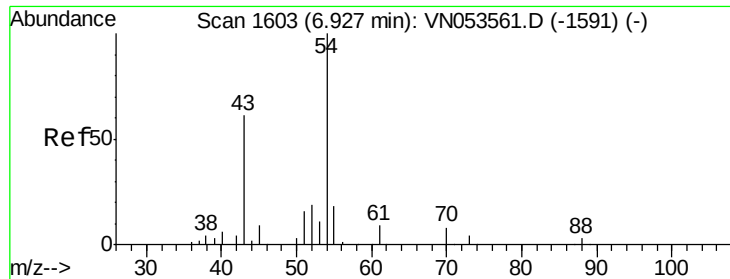
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#36
1,1-Dichloropropene
Concen: 18.816 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	38.8	18.1	54.3	
77	30.7	25.1	37.7	





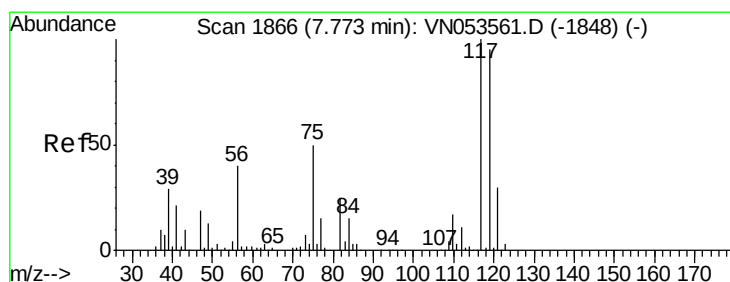
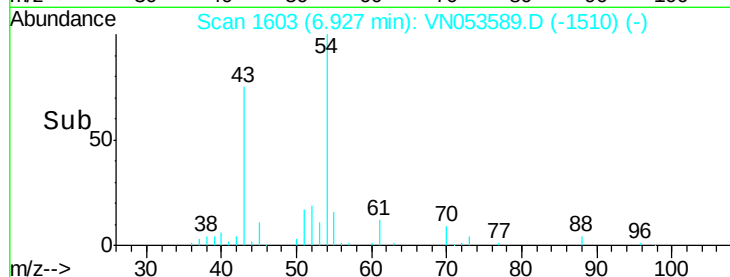
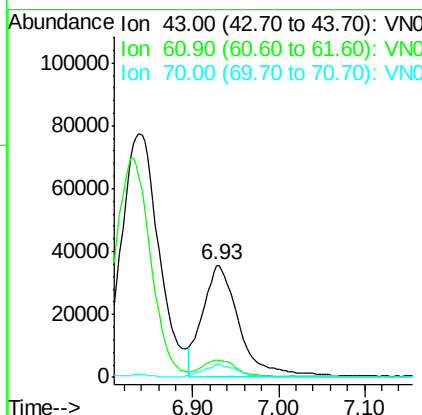
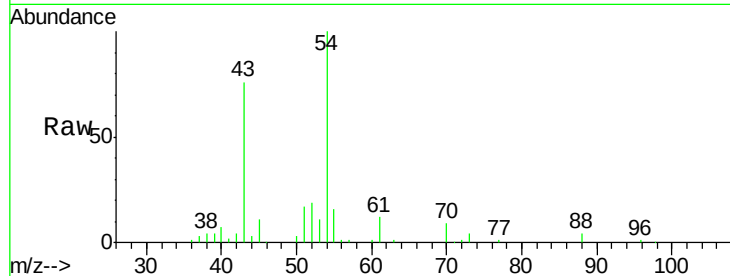
#37
Ethyl Acetate
Concen: 20.074 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

Instrument :
MSVOA_N
ClientSampleId :
VN0204WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.8	17.6
70	10.8	8.6	12.8

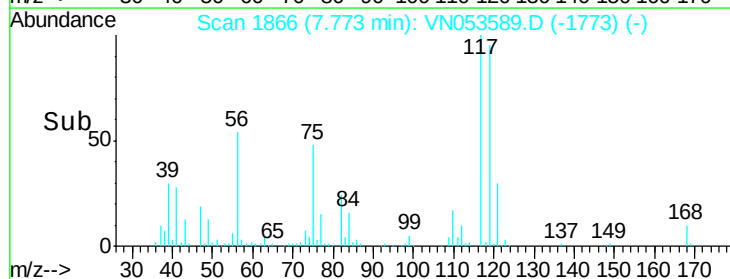
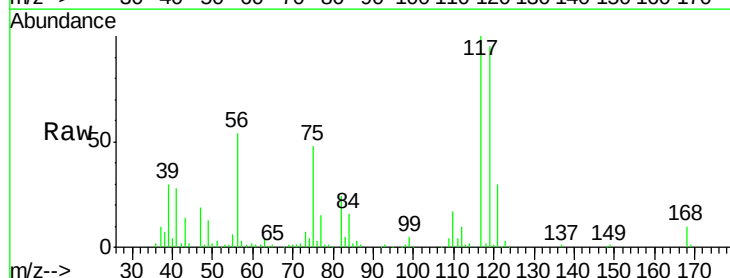
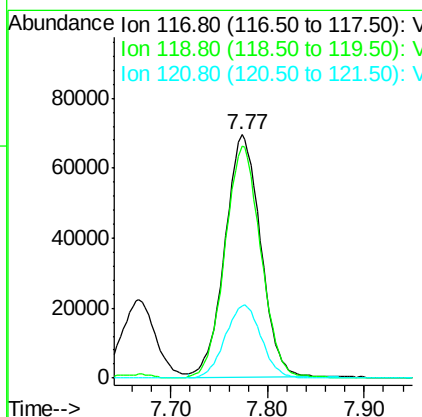
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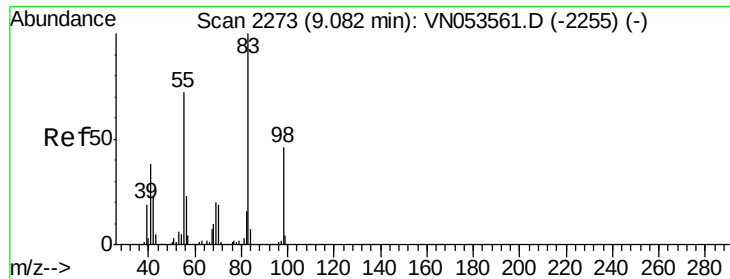
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#38
Carbon Tetrachloride
Concen: 19.074 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.3	77.2	115.8
121	29.9	24.6	37.0





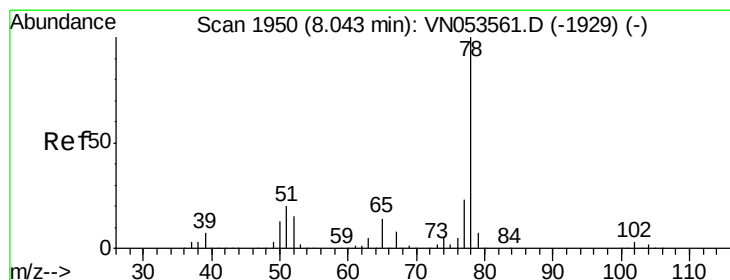
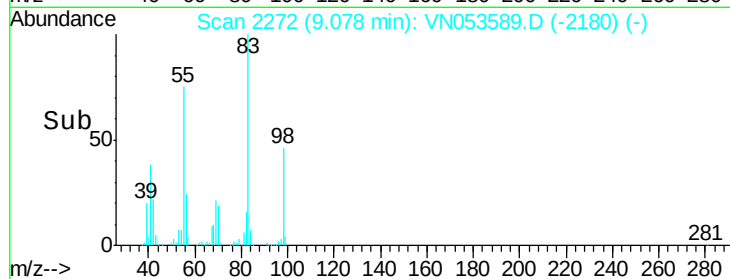
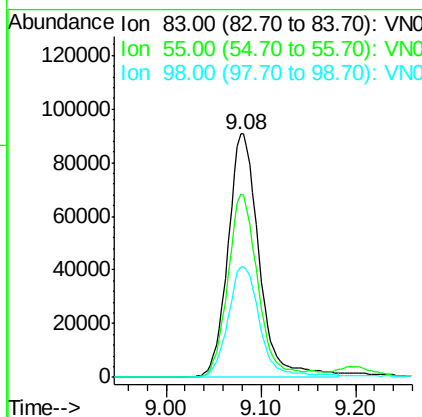
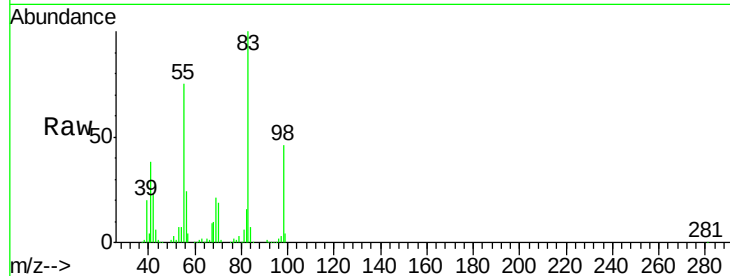
#39
Methylvlcyclohexane
Concen: 18.990 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

Instrument :
MSVOA_N
ClientSampleId :
VN0204WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.2	60.1	90.1
98	45.6	36.6	55.0

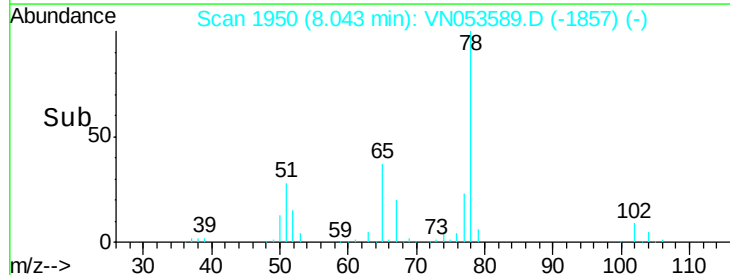
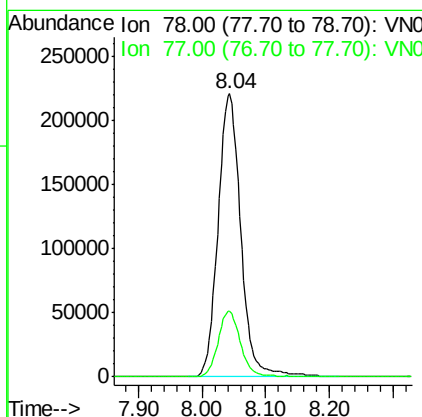
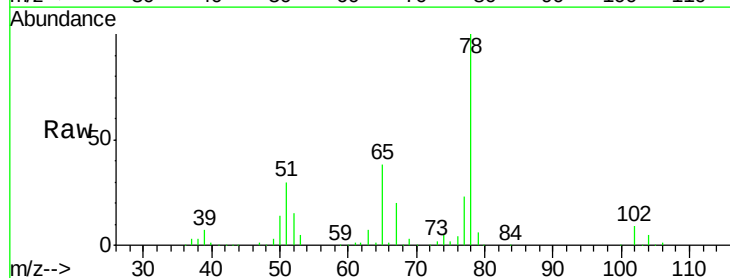
Manual Integrations
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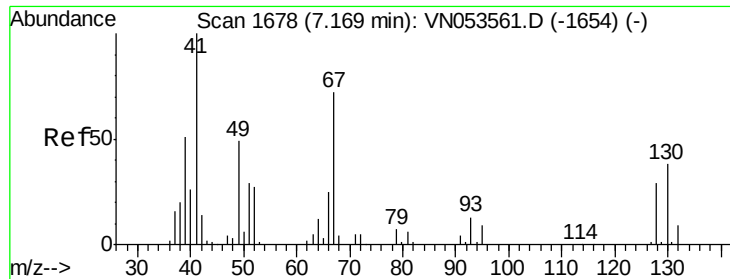
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#40
Benzene
Concen: 19.244 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.8	28.2





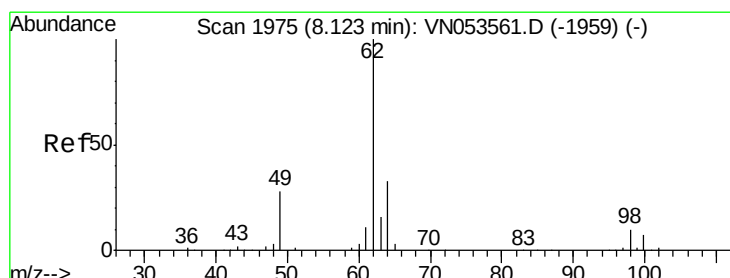
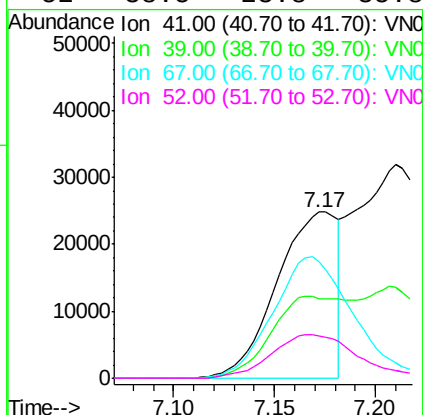
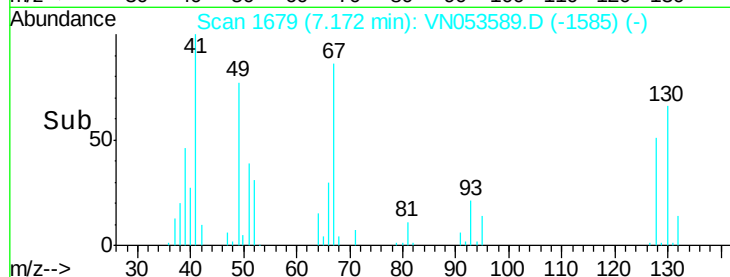
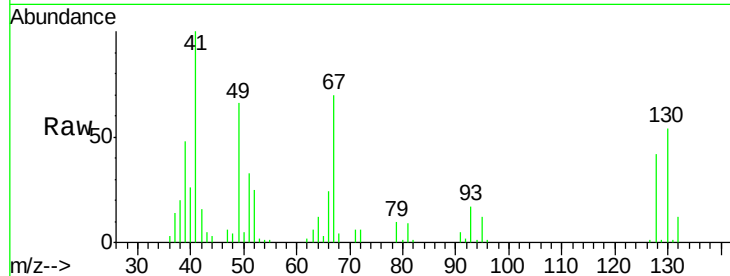
#41
Methacrylonitrile
Concen: 17.889 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

Instrument :
MSVOA_N
ClientSampleId :
VN0204WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	61.2	46.8	70.2	
67	97.7	63.0	94.6	
52	38.5	23.8	35.8	

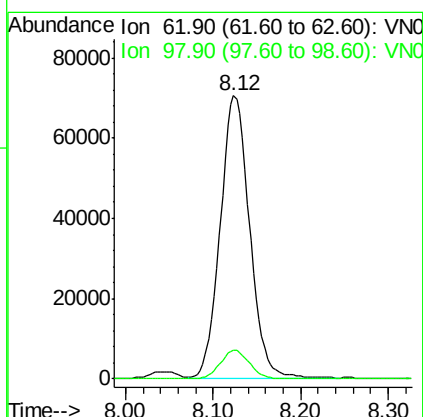
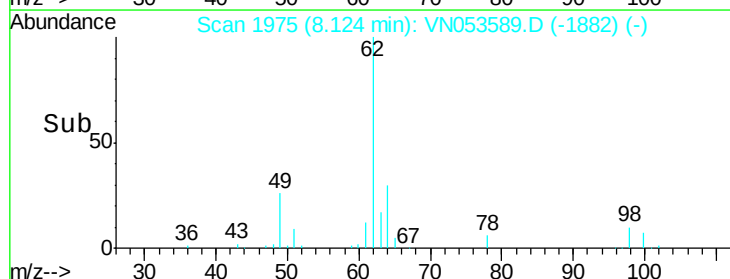
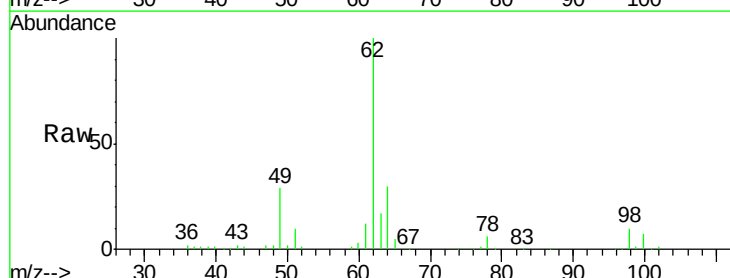
Manual Integrations
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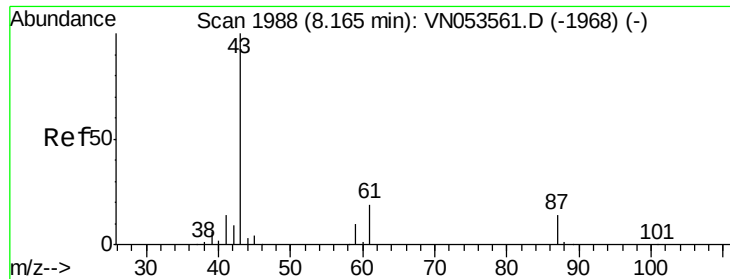
MMDadoda
2/5/2019 9:53:46 AM



#42
1,2-Dichloroethane
Concen: 19.401 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.9	0.0	19.6	





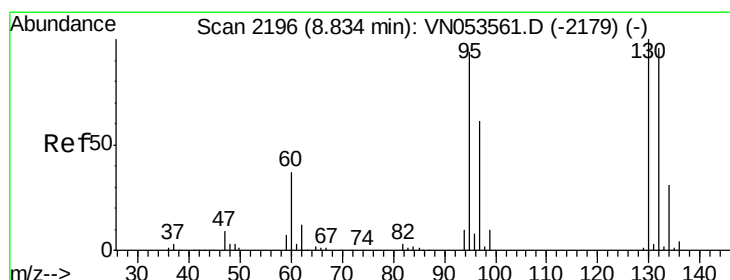
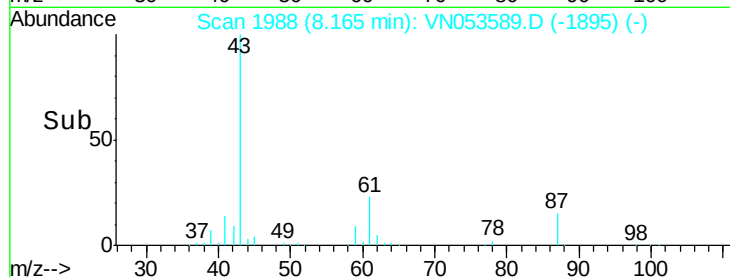
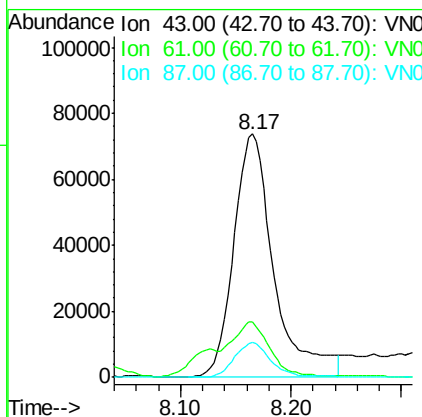
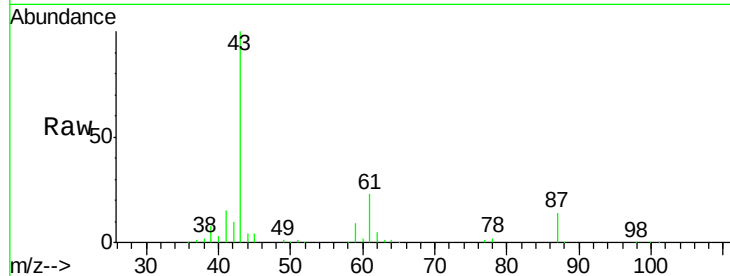
#43
Isopropyl Acetate
Concen: 18.590 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

Instrument :
MSVOA_N
ClientSampled :
VN0204WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.4	23.9	35.9#
87	13.3	11.0	16.6

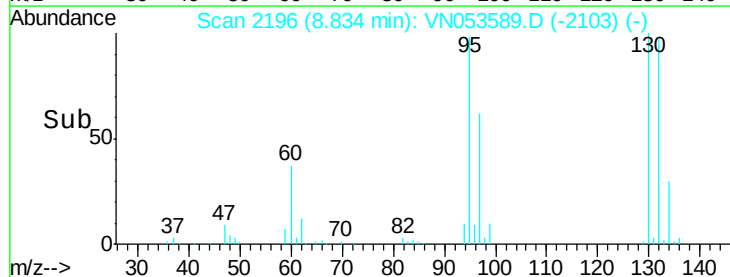
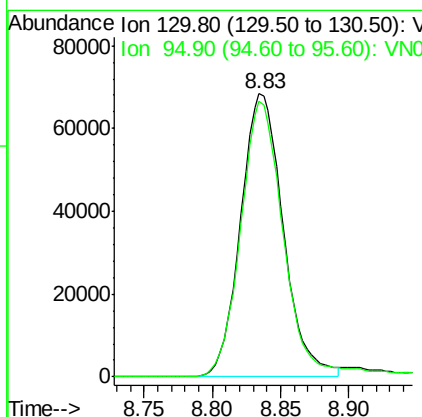
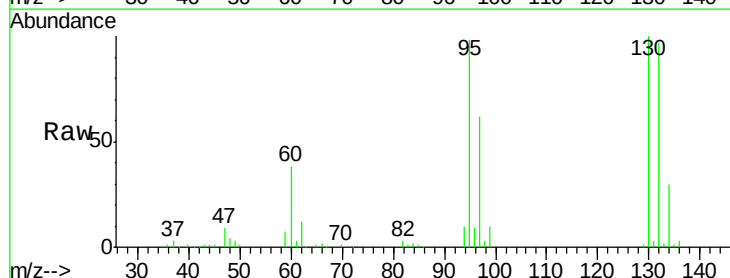
Manual Integrations
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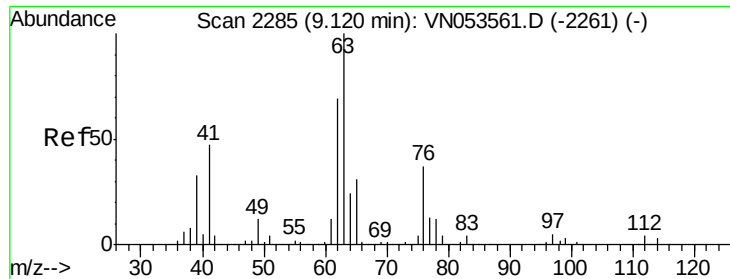
MMDadoda
2/5/2019 9:53:46 AM



#44
Trichloroethene
Concen: 18.328 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.6	0.0	191.4





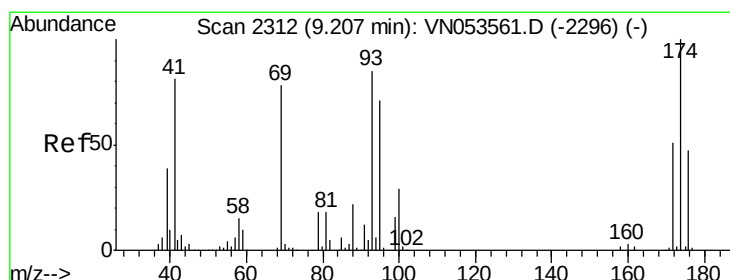
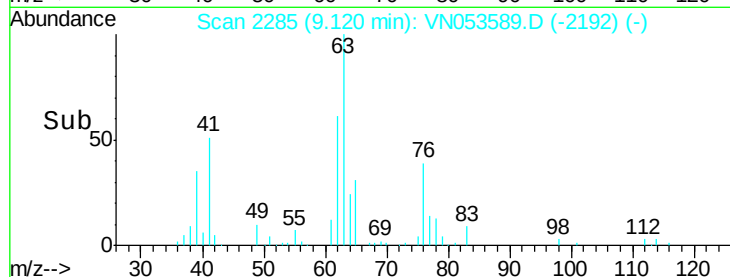
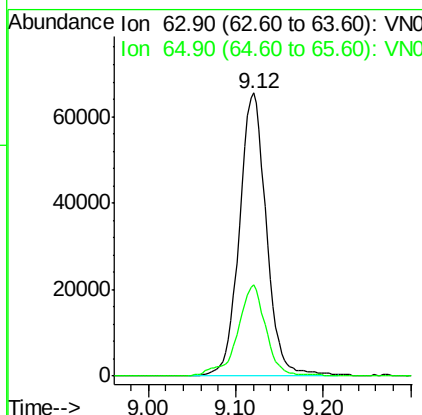
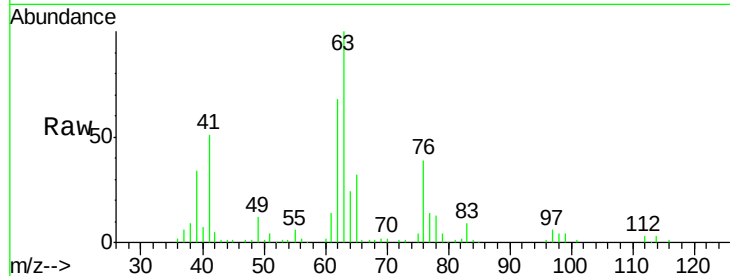
#45
 1,2-Dichloropropane
 Concen: 19.331 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053589.D
 Acq: 4 Feb 2019 11:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204WBS01

Tot Ion: 63 Resp: 140846
 Ion Ratio Lower Upper
 63 100
 65 32.2 25.0 37.4

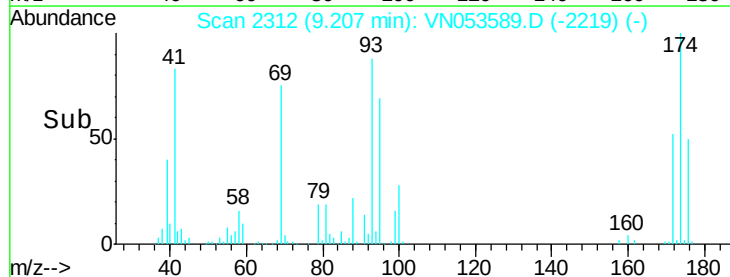
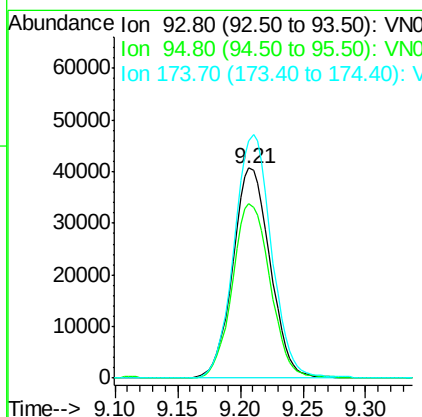
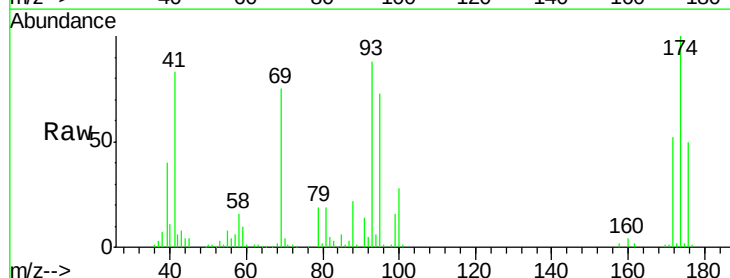
Manual Integrations
 APPROVED

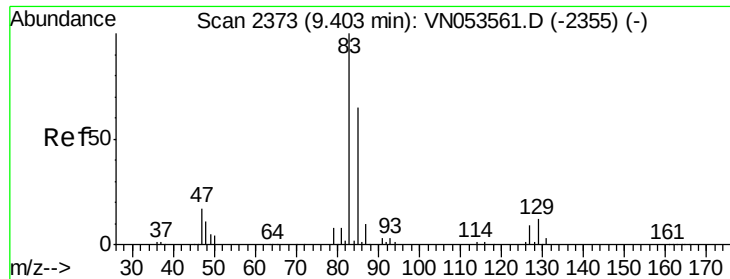
MMDadoda
 2/5/2019 9:53:46 AM



#46
 Dibromomethane
 Concen: 19.180 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN053589.D
 Acq: 4 Feb 2019 11:56

Tgt Ion: 93 Resp: 84242
 Ion Ratio Lower Upper
 93 100
 95 84.3 67.3 100.9
 174 115.9 91.0 136.4





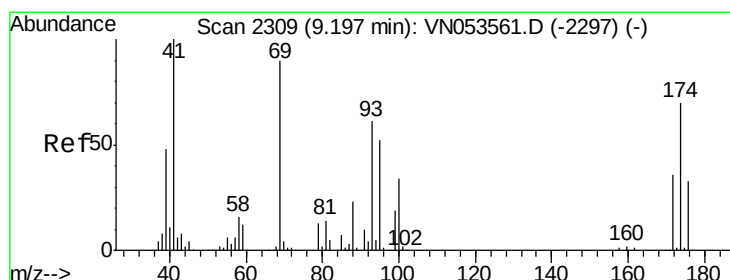
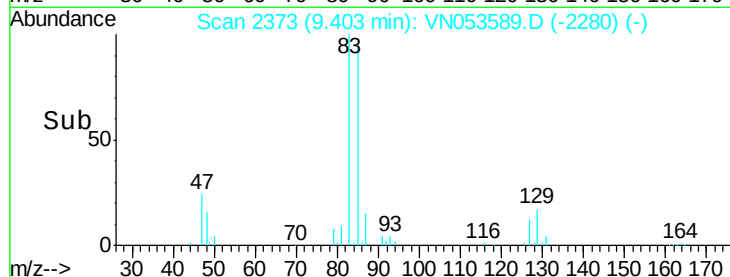
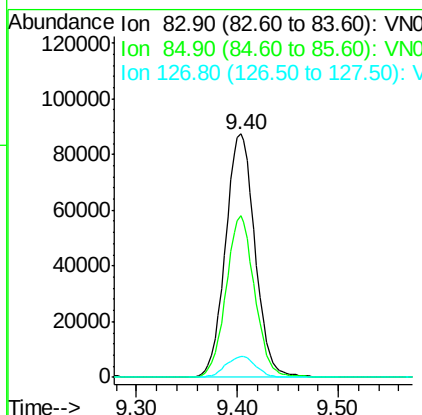
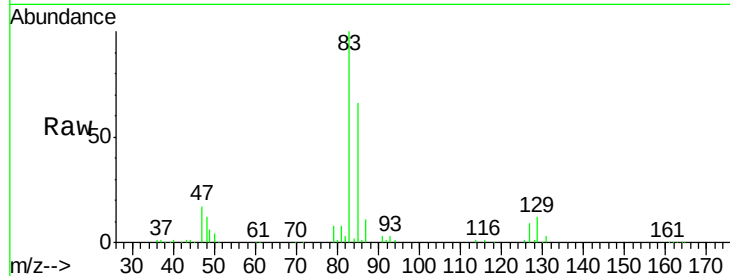
#47
Bromodichloromethane
Concen: 19.510 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

Instrument :
MSVOA_N
ClientSampleId :
VN0204WBS01

Tot Ion	83	Resp	178166
Ion Ratio	100	Lower	Upper
83	100		
85	66.3	51.0	76.6
127	8.7	7.0	10.6

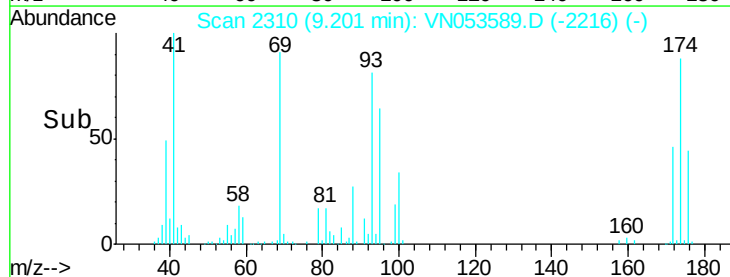
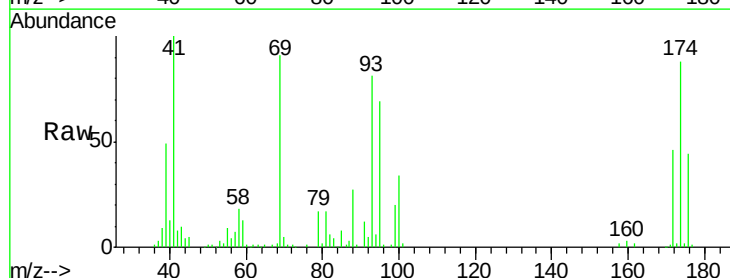
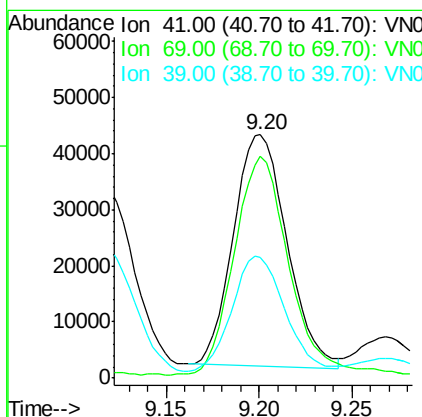
Manual Integrations
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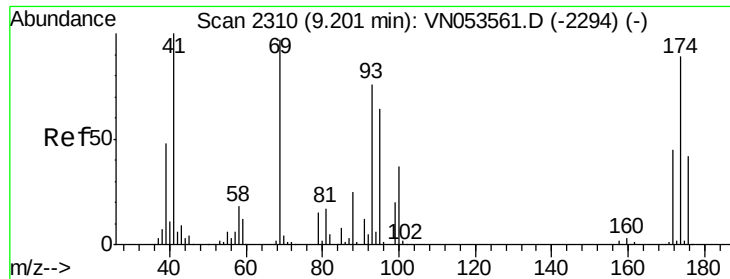
MMDadoda
2/5/2019 9:53:46 AM



#48
Methyl methacrylate
Concen: 17.551 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

Tgt Ion	41	Resp	83476
Ion Ratio	100	Lower	Upper
41	100		
69	100.2	73.8	110.6
39	53.7	40.0	60.0





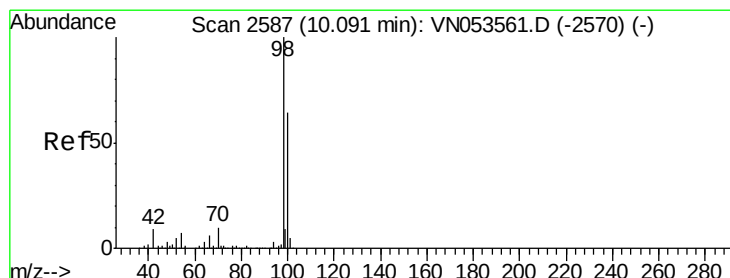
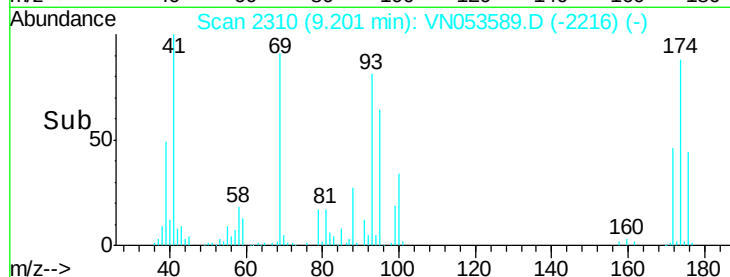
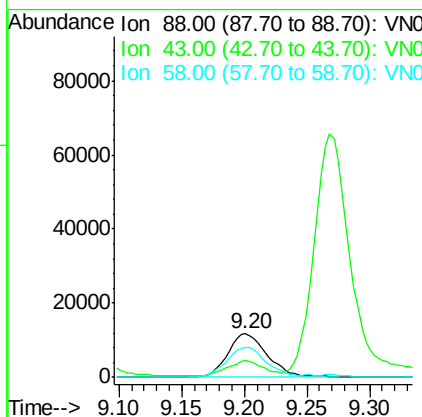
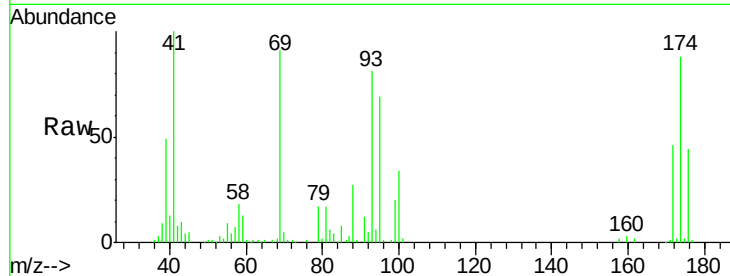
#49
1,4-Dioxane
Concen: 401.635 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

Instrument :
MSVOA_N
ClientSampleId :
VN0204WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.6	27.8	41.6
58	68.7	56.5	84.7

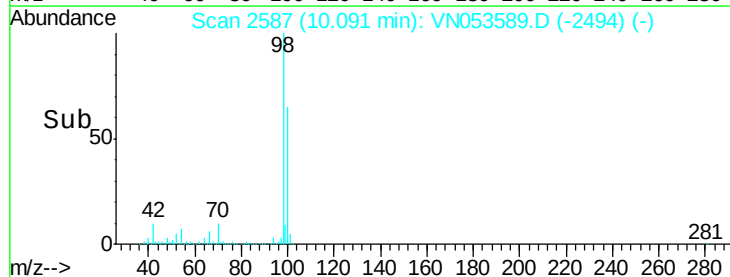
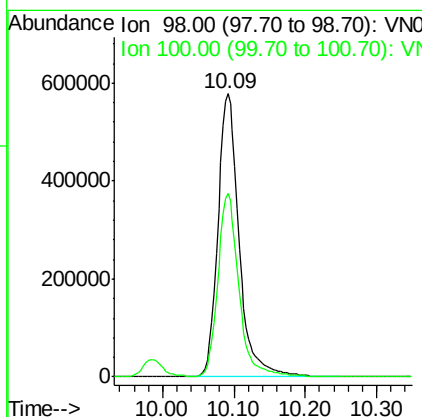
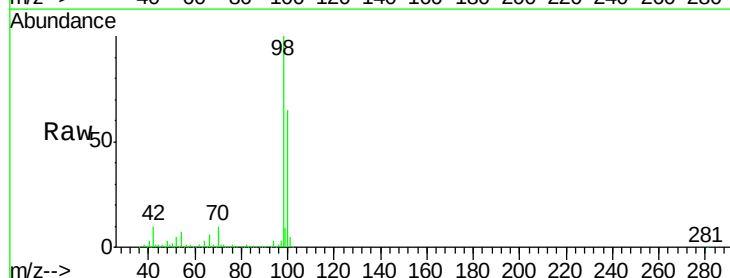
Manual Integrations
APPROVED

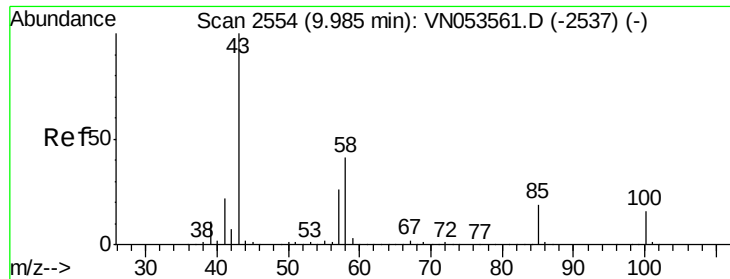
MMDadoda
2/5/2019 9:53:46 AM



#50
Toluene-d8
Concen: 401.635 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.4	77.0





#51

4-Methyl-2-Pentanone

Concen: 97.957 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053589.D

Acq: 4 Feb 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

VN0204WBS01

Tot Ion: 43 Resp: 479613

Ion Ratio Lower Upper

43 100

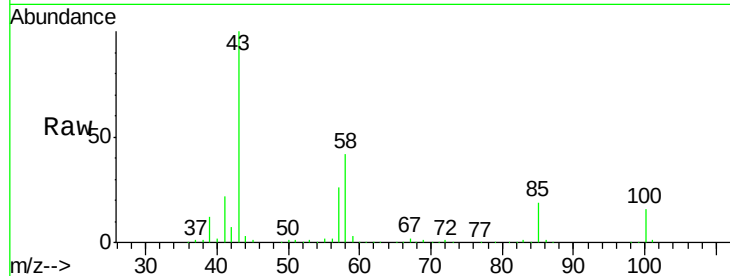
58 40.7 32.8 49.2

Manual Integrations

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MMDadoda

2/5/2019 9:53:46 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

250000

200000

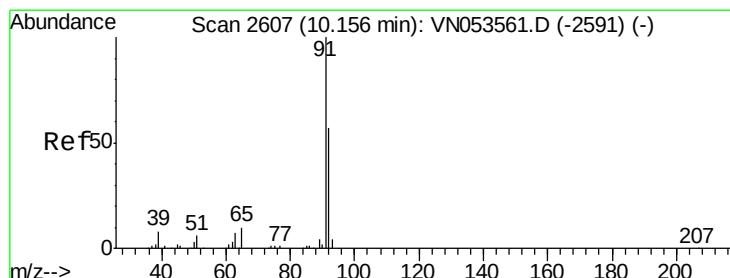
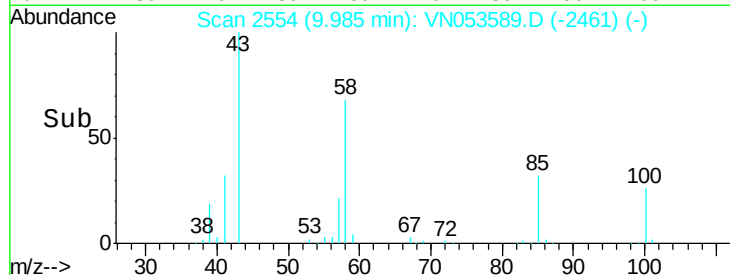
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.793 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053589.D

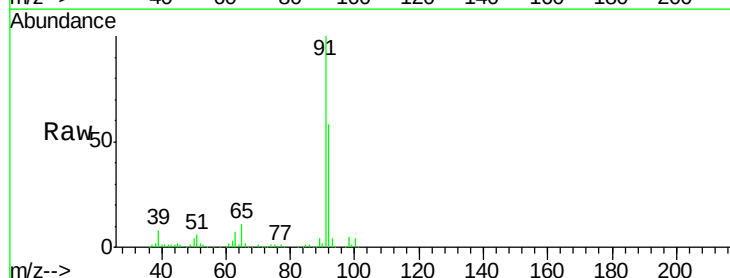
Acq: 4 Feb 2019 11:56

Tgt Ion: 92 Resp: 334640

Ion Ratio Lower Upper

92 100

91 173.4 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

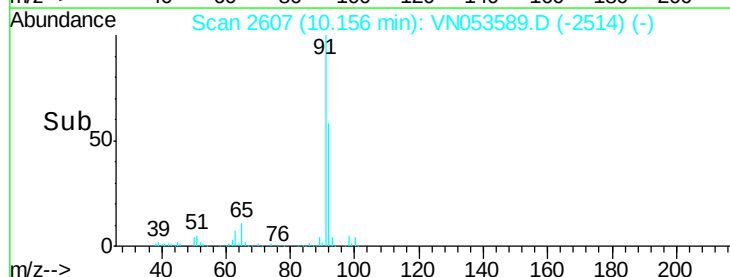
300000

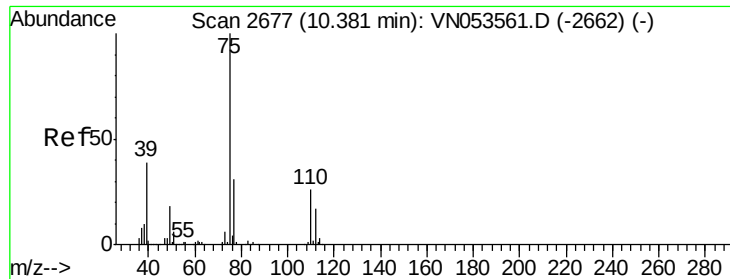
200000

100000

0

Time-->





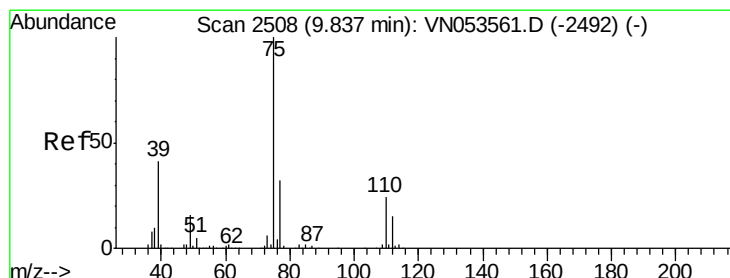
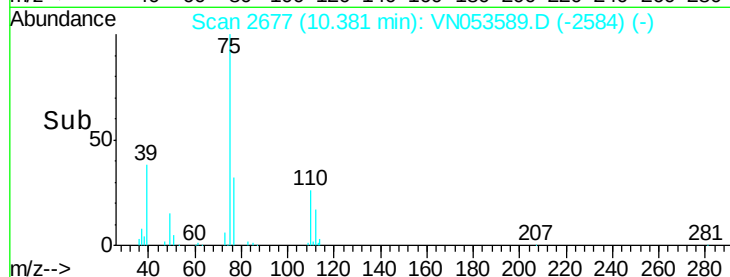
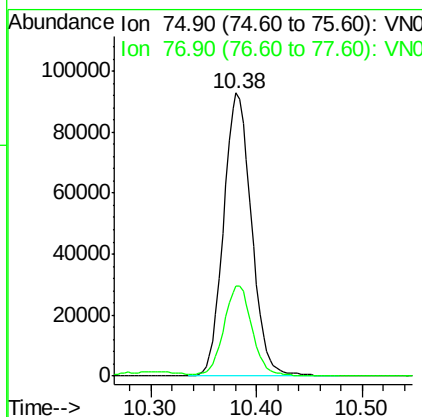
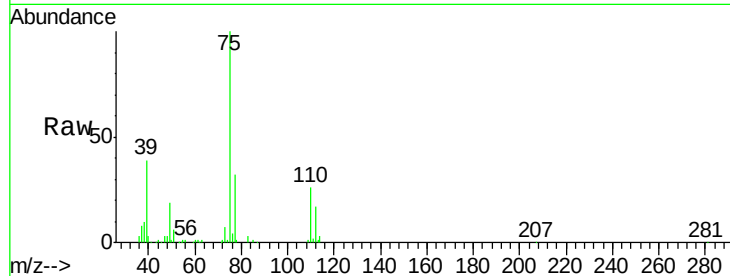
#53
t-1,3-Dichloropropene
Concen: 18.566 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

Instrument :
MSVOA_N
ClientSampled :
VN0204WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.5	38.3

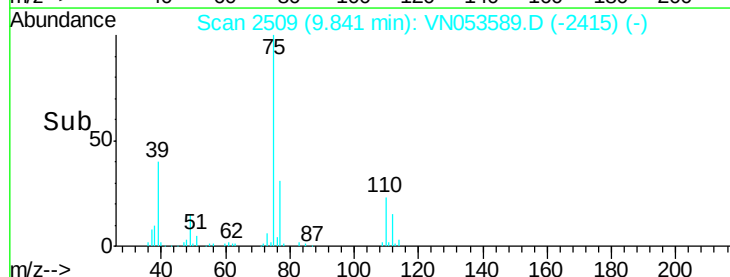
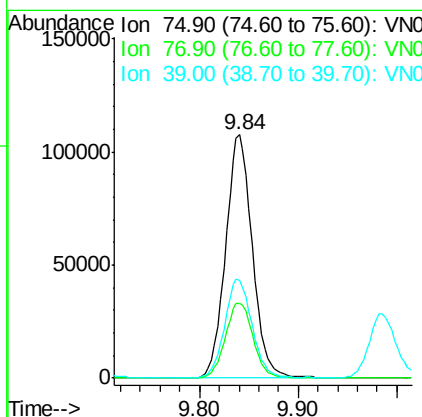
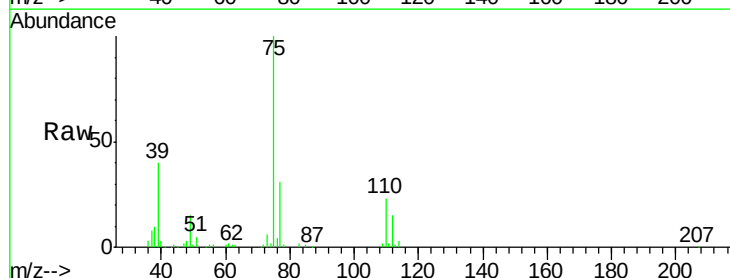
Manual Integrations
APPROVED

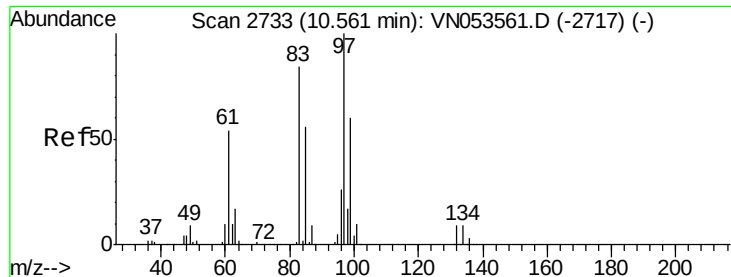
MMDadoda
2/5/2019 9:53:46 AM



#54
cis-1,3-Dichloropropene
Concen: 18.855 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.8	38.6
39	40.3	33.4	50.0





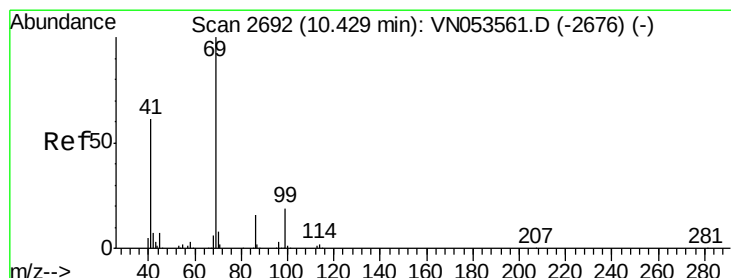
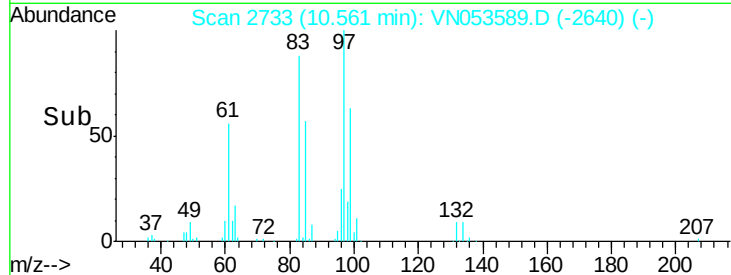
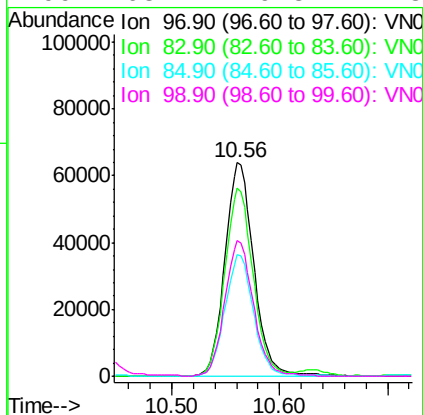
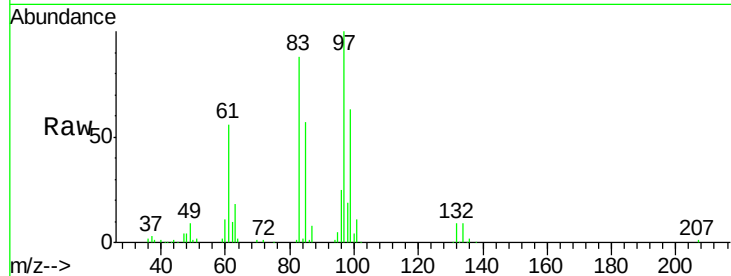
#55
 1,1,2-Trichloroethane
 Concen: 19.596 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053589.D
 Acq: 4 Feb 2019 11:56

Instrument :
 MSVOA_N
 ClientSampled :
 VN0204WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		119385		
83	87.9	70.1	105.1		
85	56.7	45.4	68.0		
99	63.4	49.8	74.8		

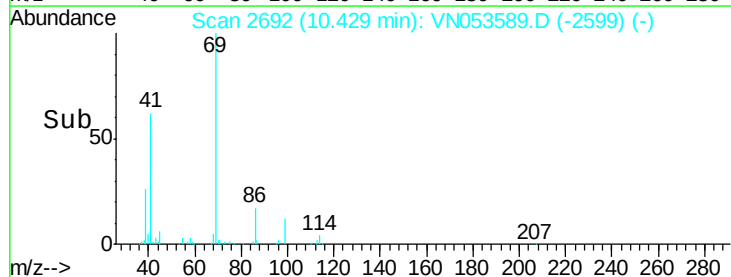
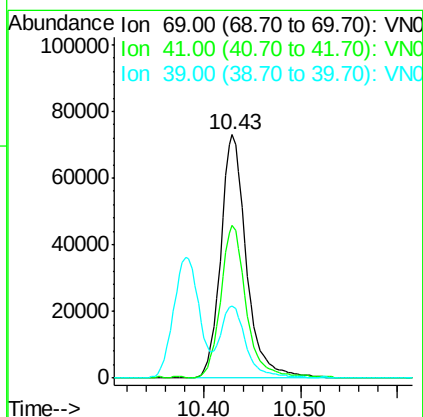
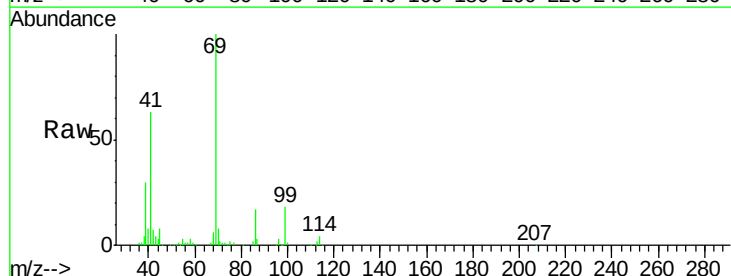
Manual Integrations
 APPROVED

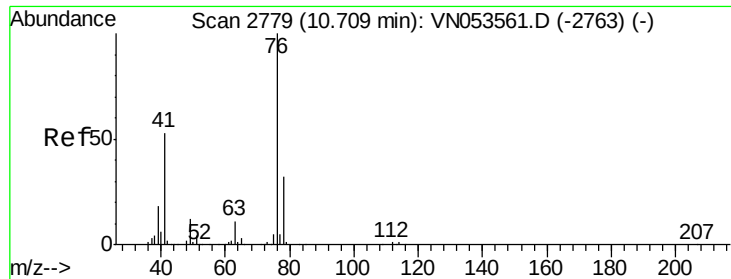
MMDadoda
 2/5/2019 9:53:46 AM



#56
 Ethyl methacrylate
 Concen: 18.665 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053589.D
 Acq: 4 Feb 2019 11:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		134517		
41	62.1	49.4	74.0		
39	29.9	23.3	34.9		





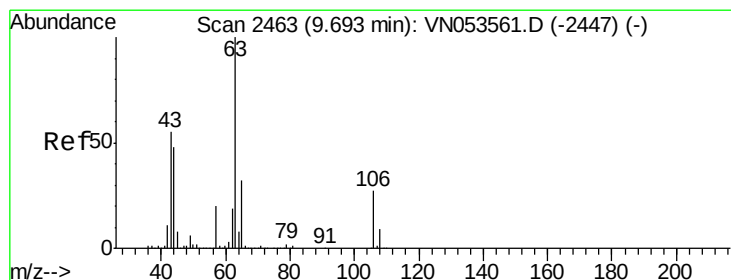
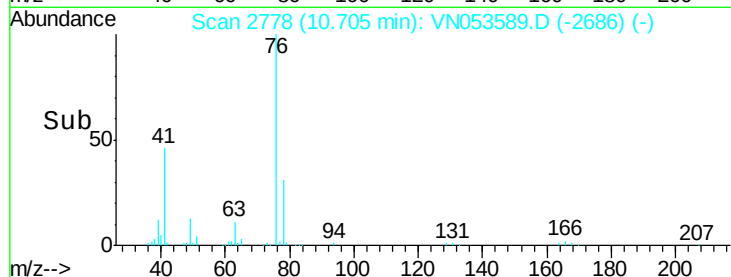
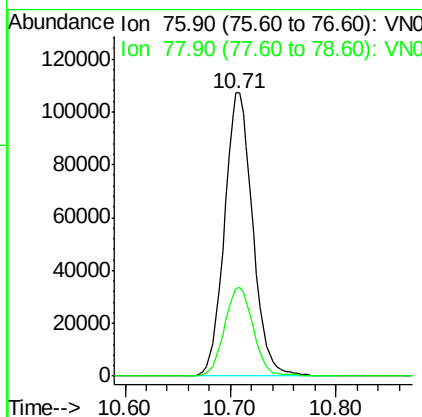
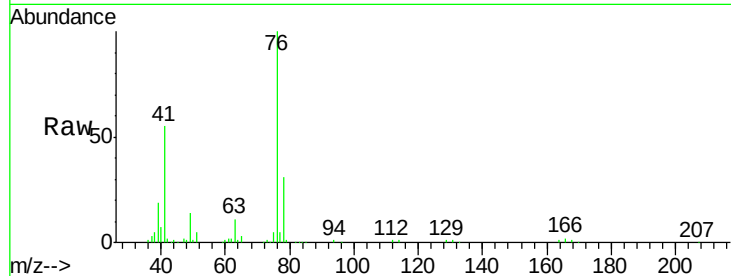
#57
 1,3-Dichloropropane
 Concen: 18.969 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN053589.D
 Acq: 4 Feb 2019 11:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204WBS01

Tot Ion: 76 Resp: 197504
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.6 38.4

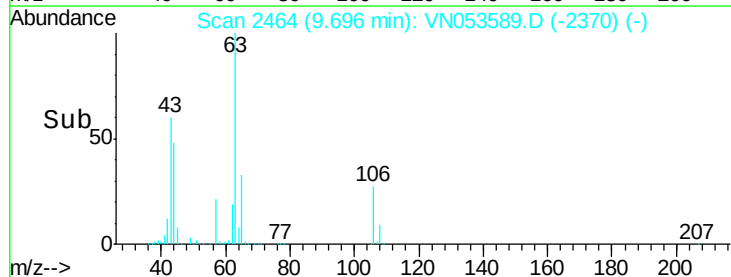
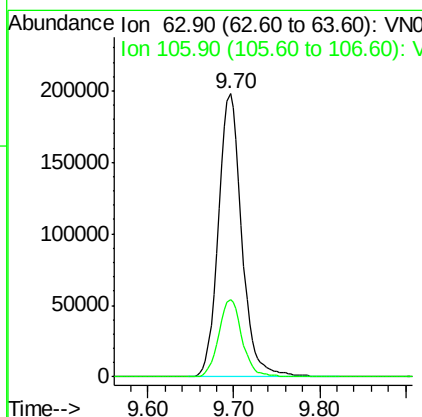
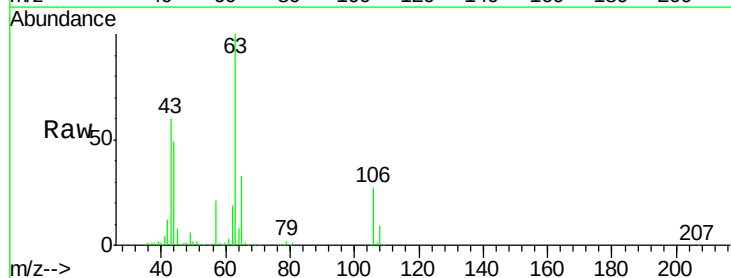
Manual Integrations
 APPROVED

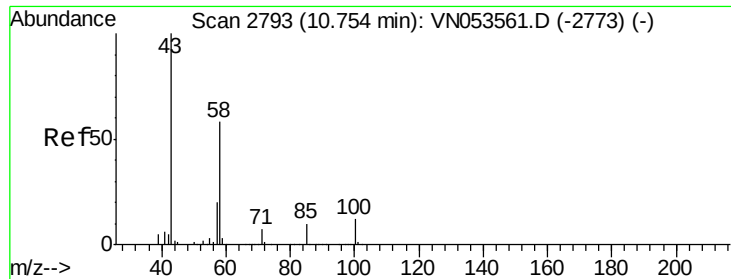
MMDadoda
 2/5/2019 9:53:46 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 89.313 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053589.D
 Acq: 4 Feb 2019 11:56

Tgt Ion: 63 Resp: 375423
 Ion Ratio Lower Upper
 63 100
 106 27.4 21.5 32.3





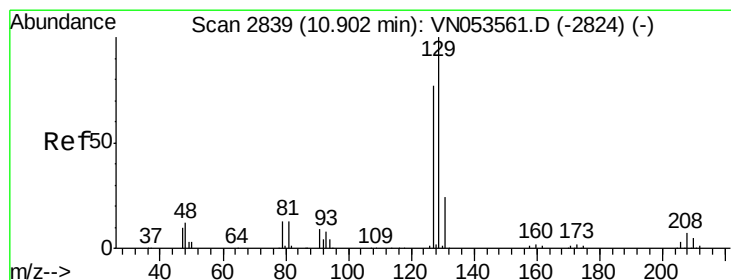
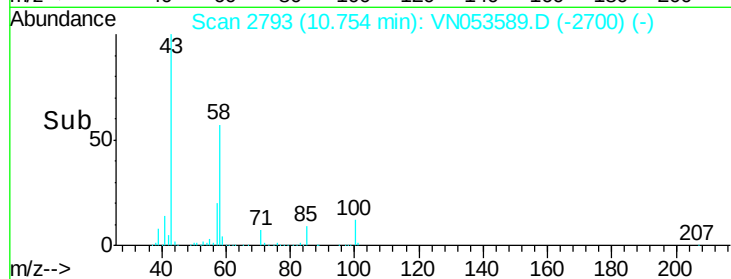
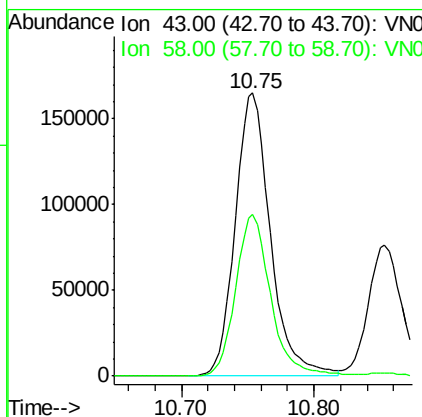
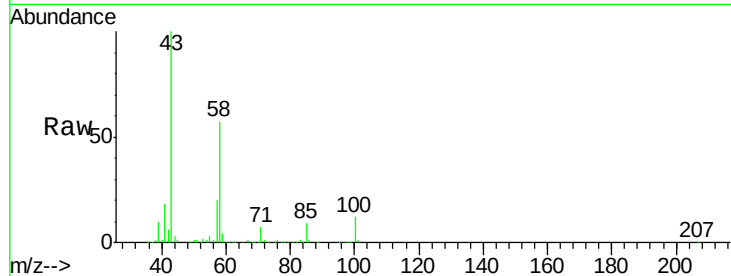
#59
2-Hexanone
Concen: 91.402 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

Instrument :
MSVOA_N
ClientSampleId :
VN0204WBS01

Tot Ion	43	Resp	303806
Ion Ratio	43	100	
Lower	58	56.8	28.6
Upper			85.8

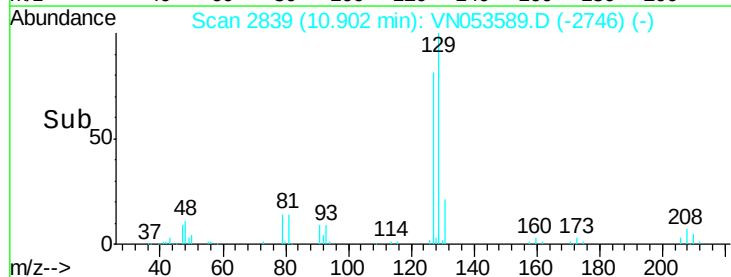
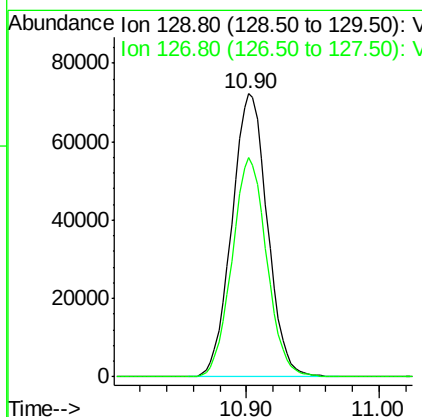
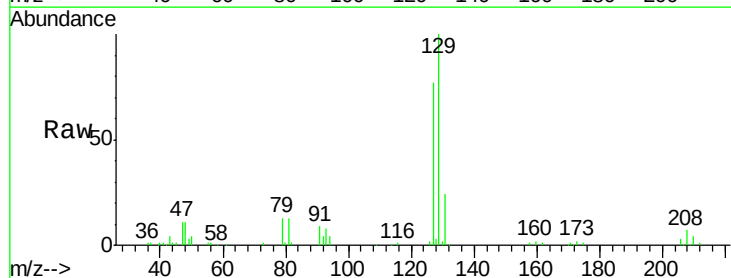
Manual Integrations
APPROVED

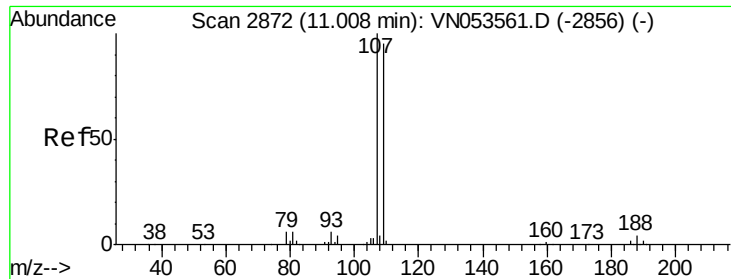
MMDadoda
2/5/2019 9:53:46 AM



#60
Dibromochloromethane
Concen: 19.546 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

Tgt Ion	129	Resp	134280
Ion Ratio	129	100	
Lower	127	75.6	38.6
Upper			115.8





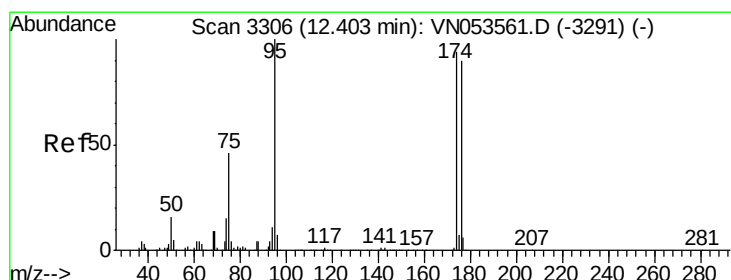
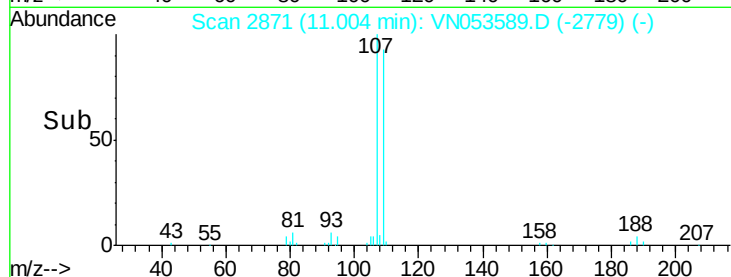
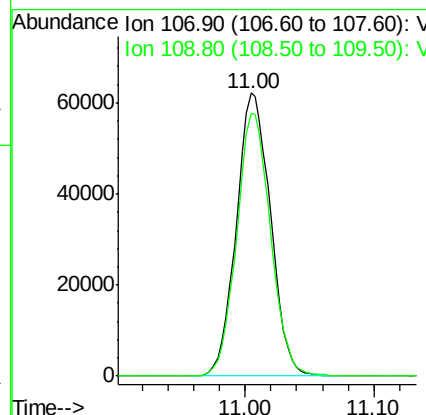
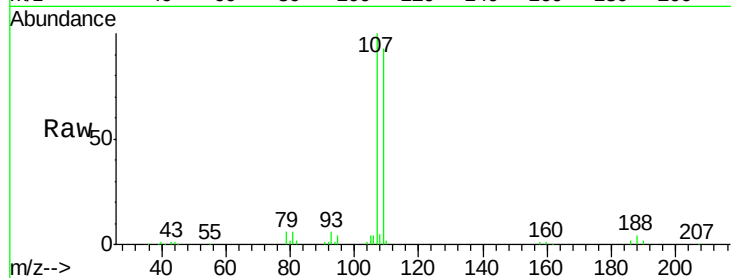
#61
 1,2-Dibromoethane
 Concen: 18.946 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN053589.D
 Acq: 4 Feb 2019 11:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.4	75.7	113.5

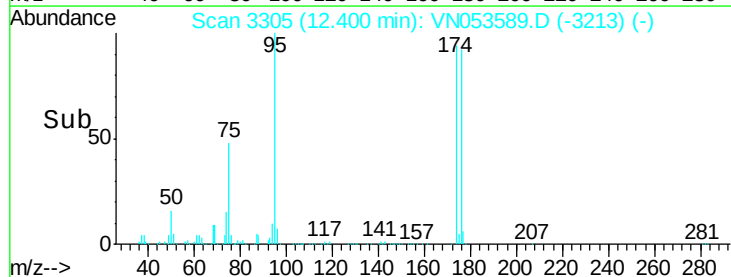
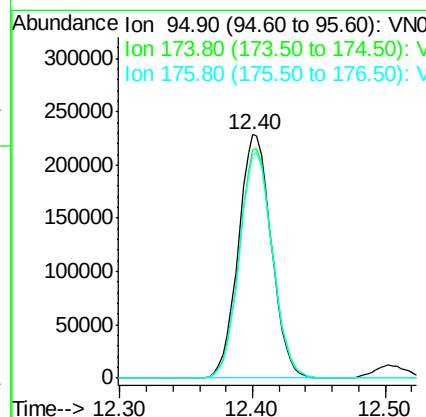
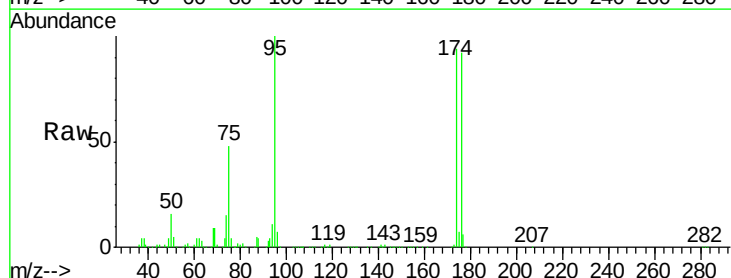
Manual Integrations
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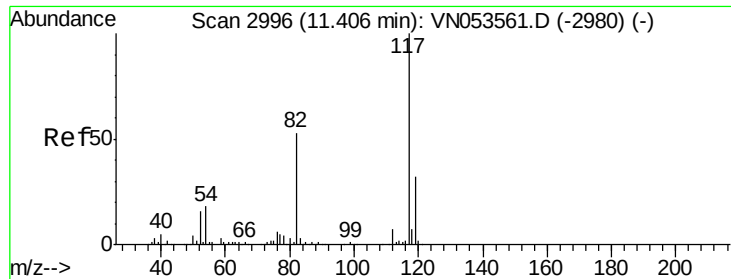
MMDadoda
 2/5/2019 9:53:46 AM



#62
 4-Bromofluorobenzene
 Concen: 18.946 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053589.D
 Acq: 4 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.8	0.0	183.2
176	92.5	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: VN053589.D

Acq: 4 Feb 2019 11:56

Instrument :

MSVOA_N

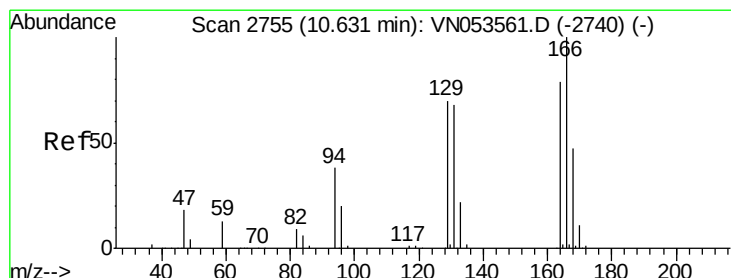
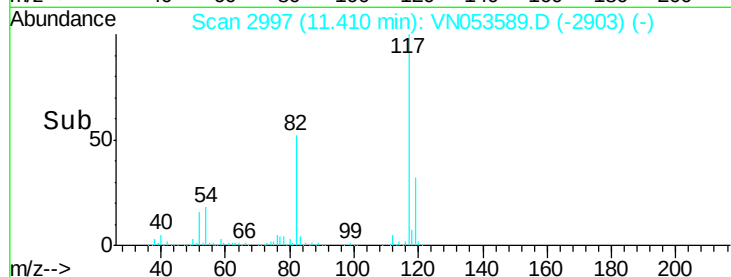
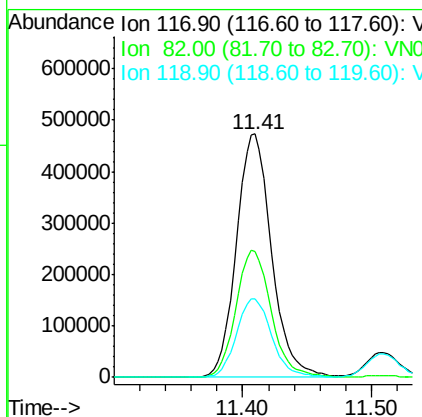
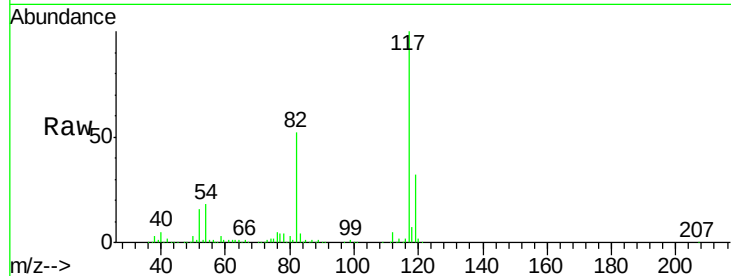
ClientSampleId :

VN0204WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	899485		
82	51.9	42.9	64.3	
119	32.3	26.0	39.0	

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#64

Tetrachloroethene

Concen: 19.165 ug/l

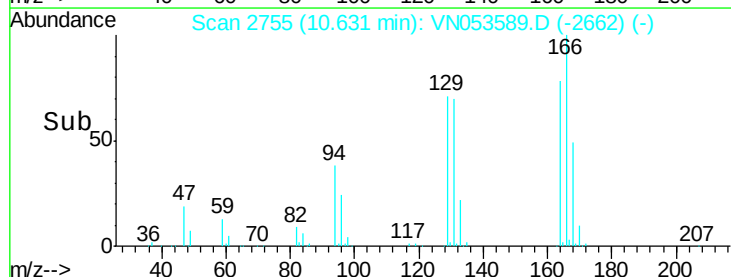
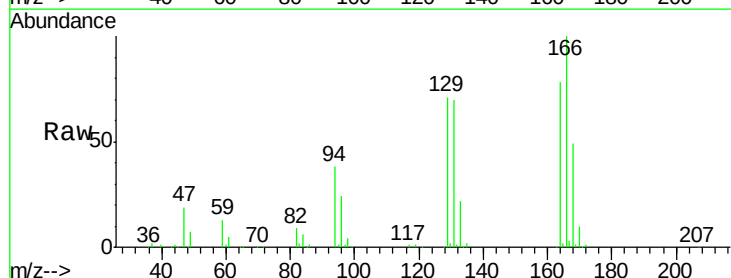
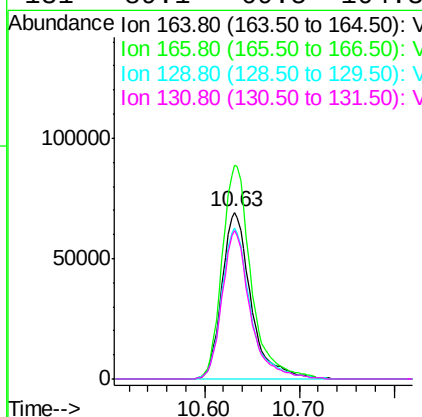
RT: 10.63 min Scan# 2755

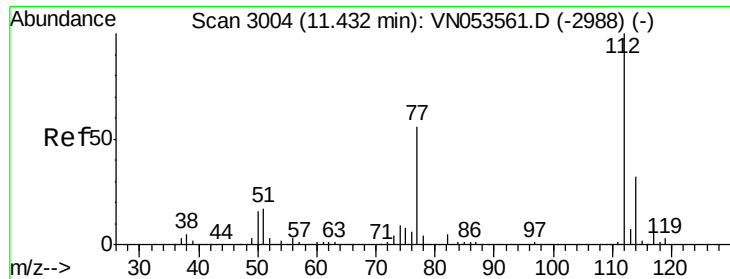
Delta R.T. 0.00 min

Lab File: VN053589.D

Acq: 4 Feb 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	147773		
166	128.0	102.2	153.4	
129	90.5	72.6	109.0	
131	89.1	69.5	104.3	





#65

Chlorobenzene

Concen: 18.973 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN053589.D

Acq: 4 Feb 2019 11:56

Instrument :

MSVOA_N

ClientSampled :

VN0204WBS01

Tot Ion:112 Resp: 362492

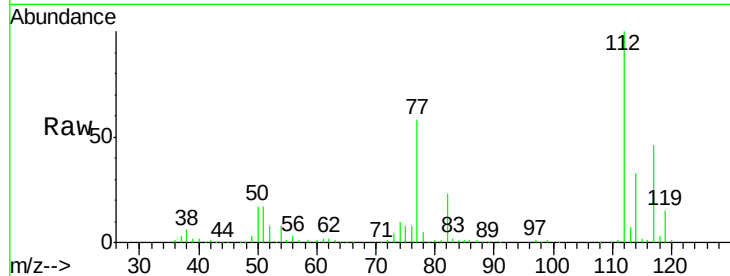
Ion Ratio Lower Upper

112 100

114 32.9 25.3 37.9

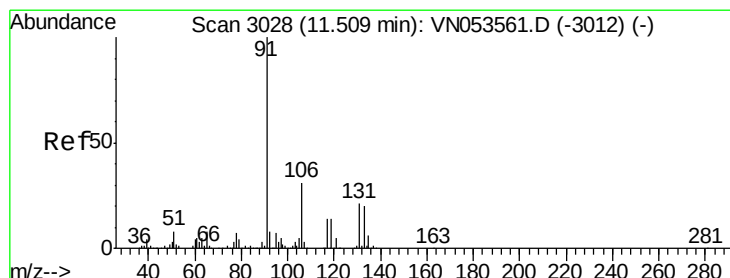
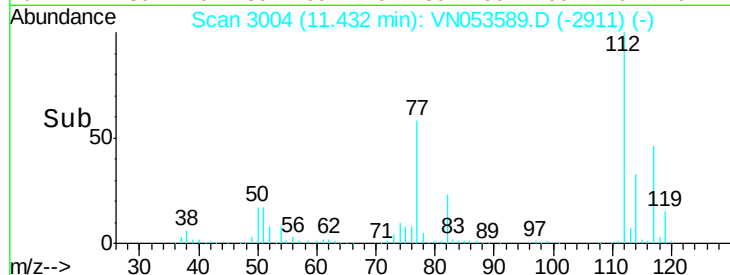
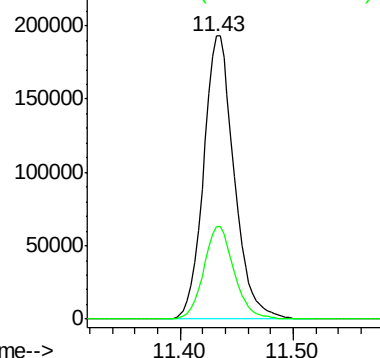
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.090 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053589.D

Acq: 4 Feb 2019 11:56

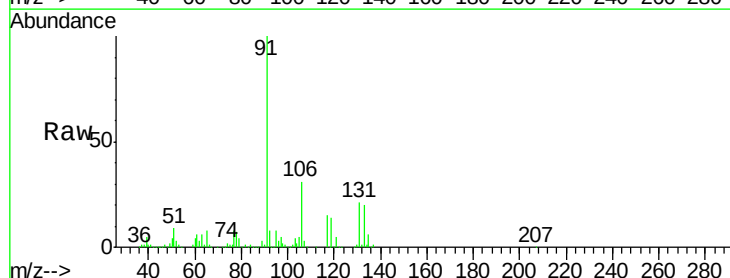
Tgt Ion:131 Resp: 127379

Ion Ratio Lower Upper

131 100

133 96.4 48.0 144.0

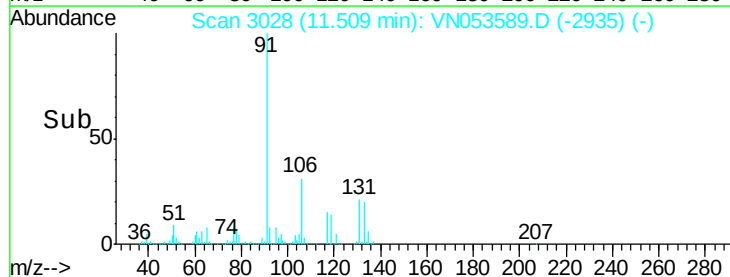
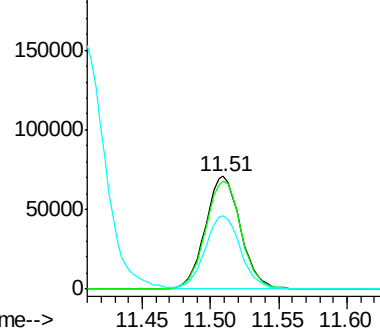
119 65.4 33.5 100.5

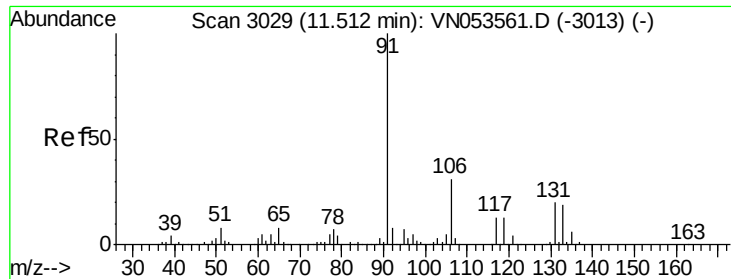


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





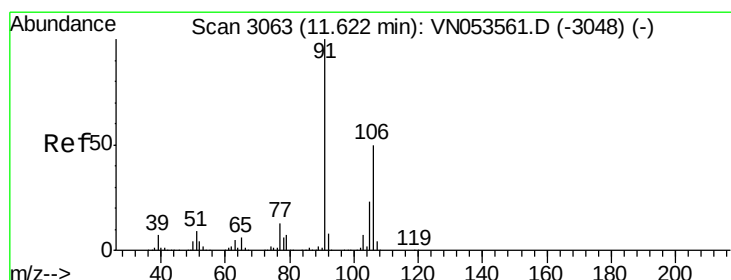
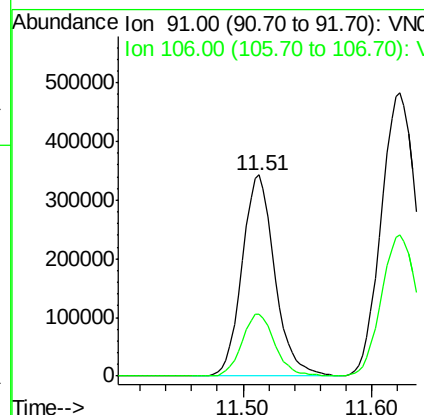
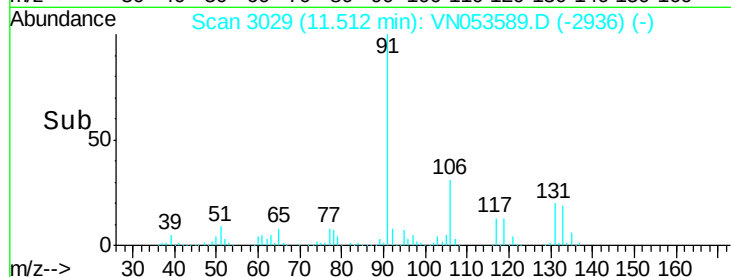
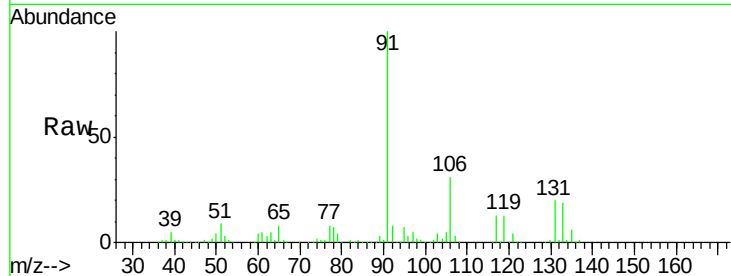
#67
Ethyl Benzene
Concen: 19.300 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

Instrument :
MSVOA_N
ClientSampled :
VN0204WBS01

Tot Ion: 91 Resp: 605725
Ion Ratio Lower Upper
91 100
106 31.1 25.0 37.6

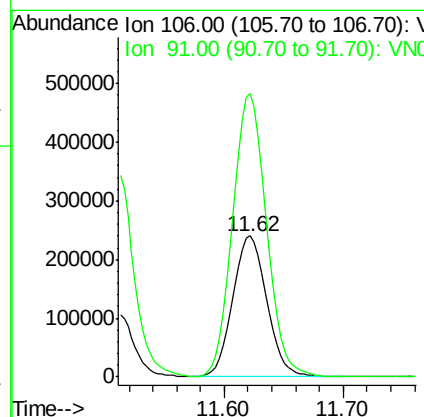
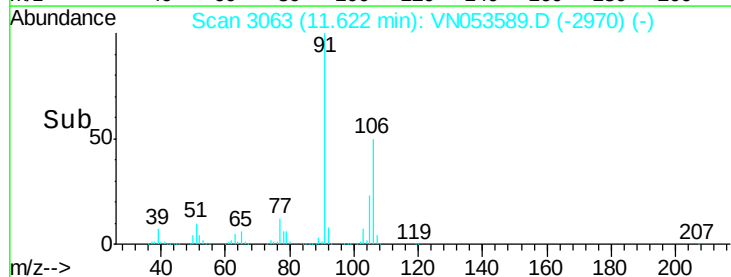
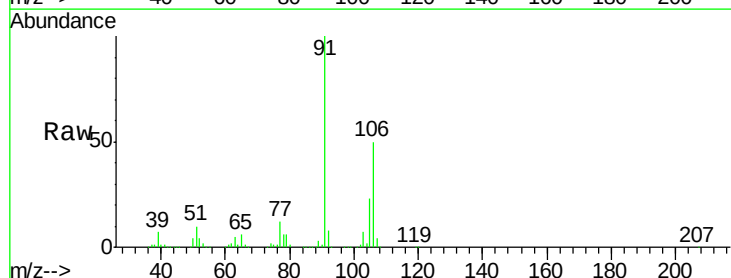
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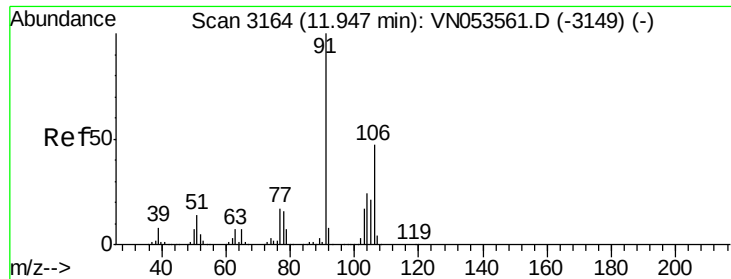
MMDadoda
2/5/2019 9:53:46 AM



#68
m/p-Xylenes
Concen: 39.768 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

Tgt Ion: 106 Resp: 476367
Ion Ratio Lower Upper
106 100
91 199.8 161.4 242.2





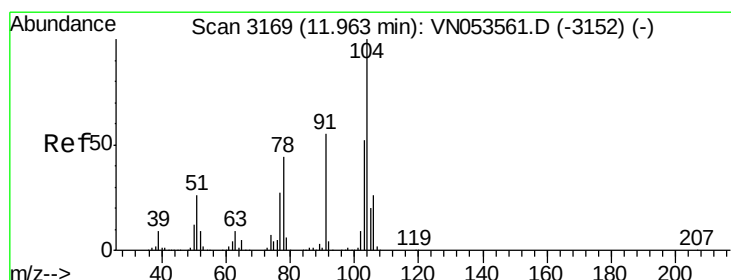
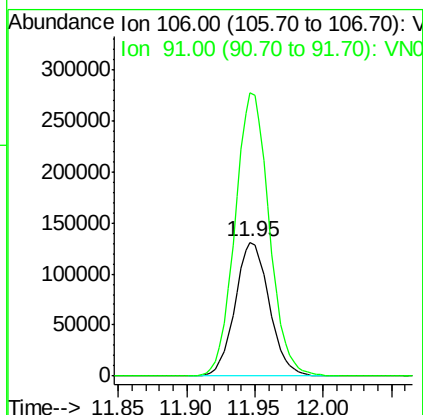
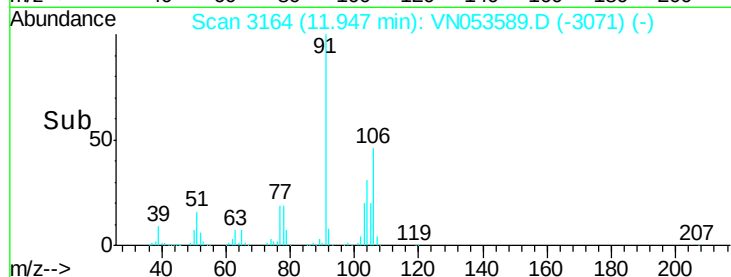
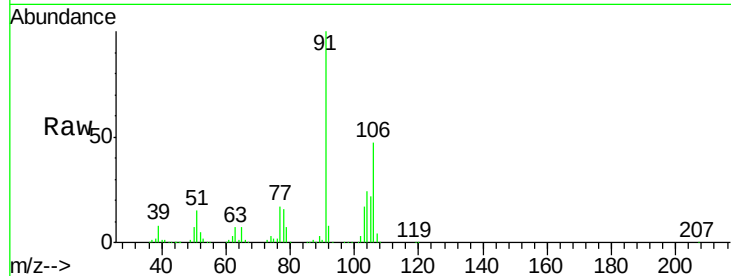
#69
o-Xylene
Concen: 19.680 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

Instrument :
MSVOA_N
ClientSampled :
VN0204WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.4	106.9	320.8

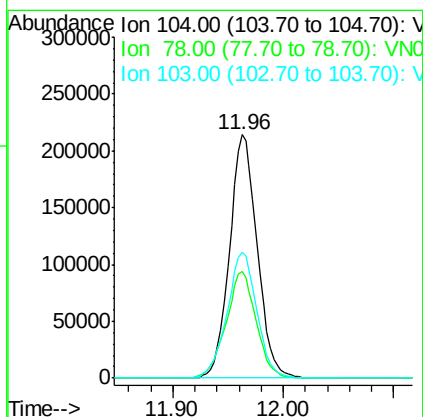
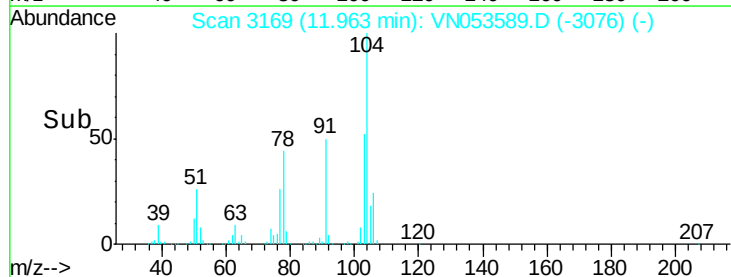
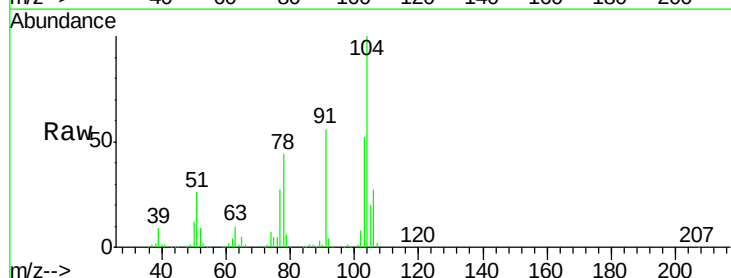
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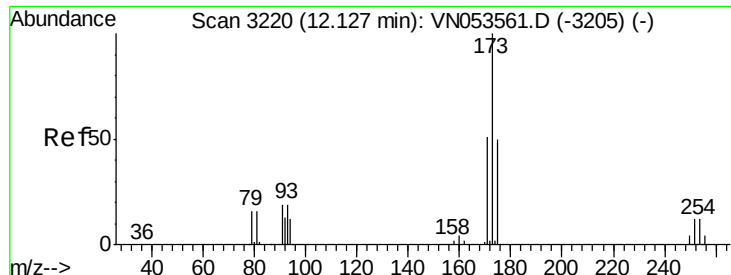
MMDadoda
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#70
Styrene
Concen: 19.857 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.6	38.2	57.2
103	55.7	44.4	66.6





#71

Bromoform

Concen: 19.969 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053589.D

Acq: 4 Feb 2019 11:56

Instrument :

MSVOA_N

ClientSampled :

VN0204WBS01

Tot Ion:173 Resp: 91350

Ion Ratio Lower Upper

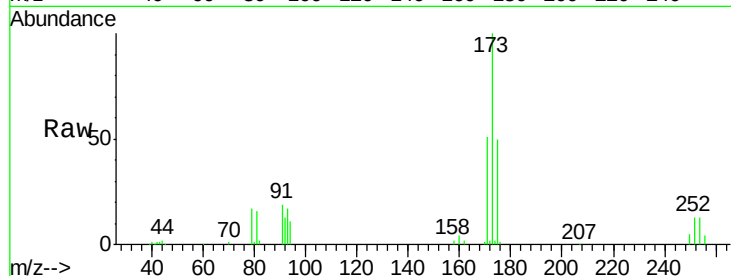
173 100

175 48.8 24.6 74.0

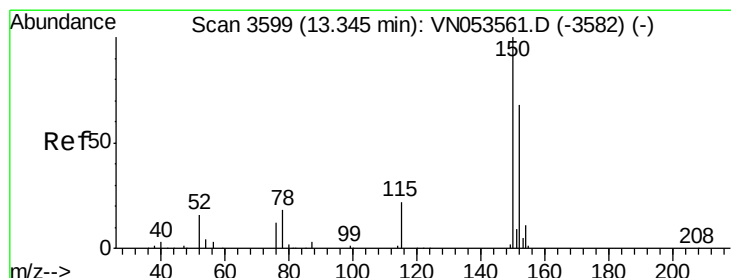
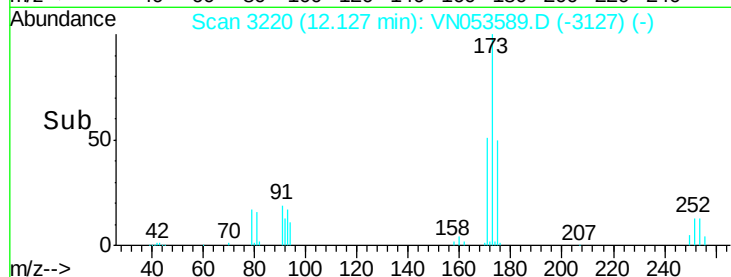
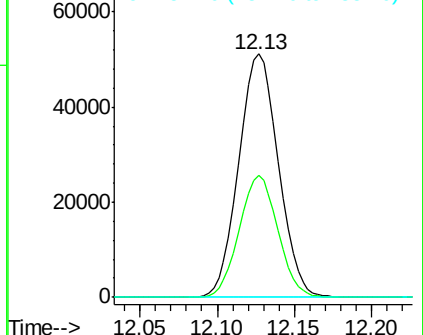
254 0.0 0.2 0.2#

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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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053589.D

Acq: 4 Feb 2019 11:56

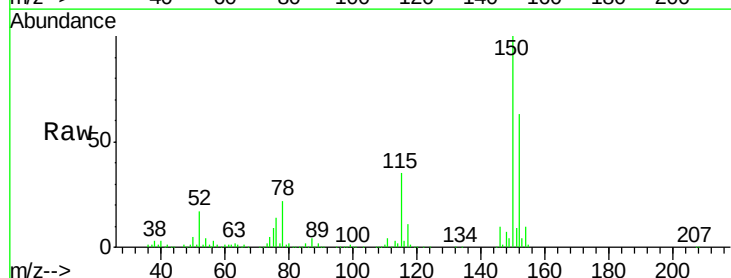
Tgt Ion:152 Resp: 437050

Ion Ratio Lower Upper

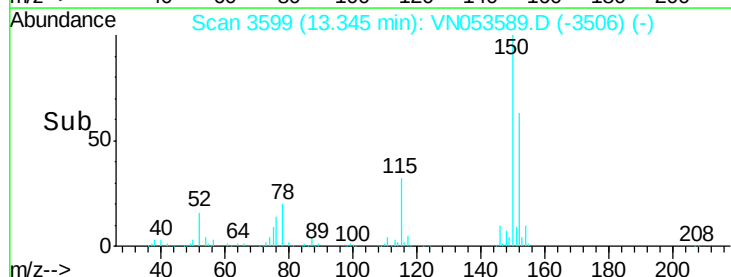
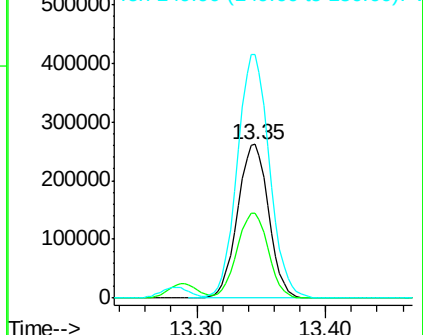
152 100

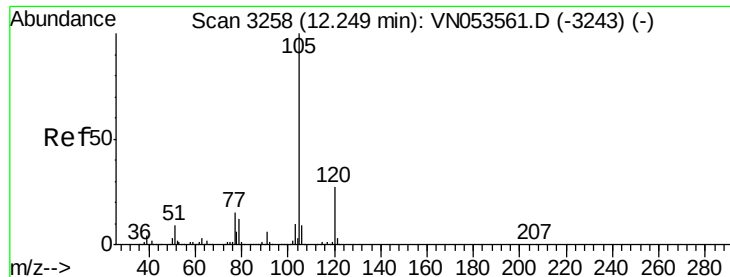
115 56.0 27.8 83.4

150 164.7 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





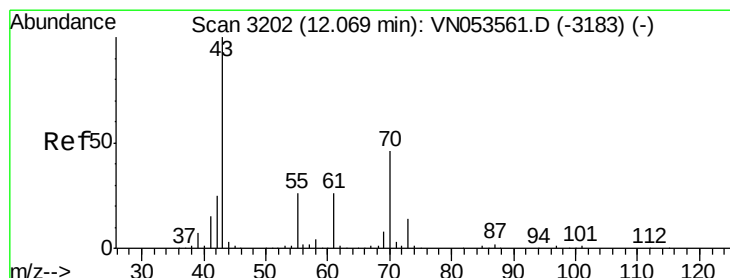
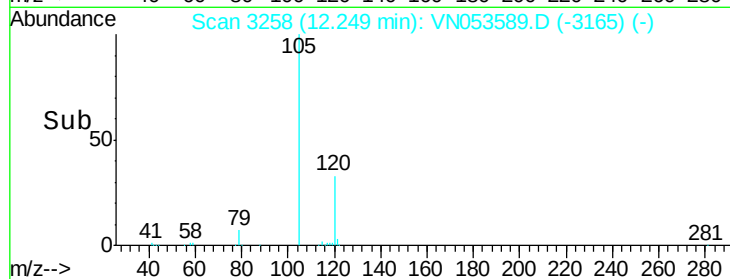
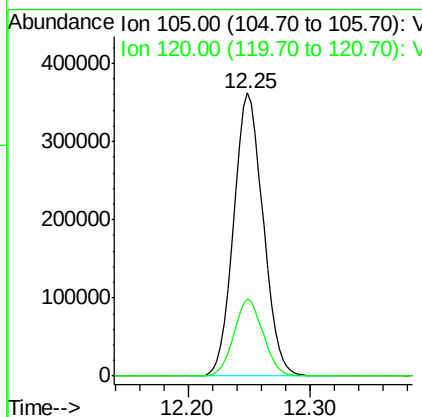
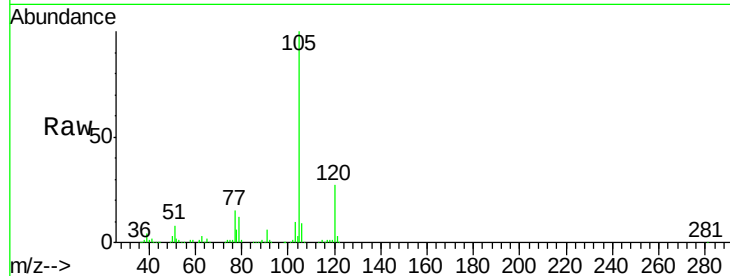
#73
Isopropylbenzene
Concen: 19.706 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

Instrument :
MSVOA_N
ClientSampled :
VN0204WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.6	40.7

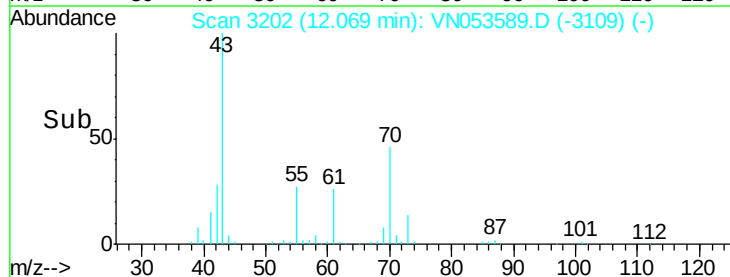
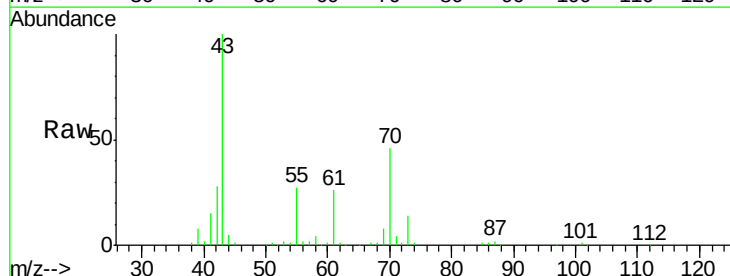
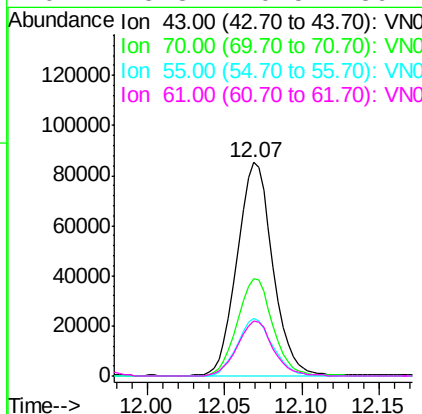
Manual Integrations
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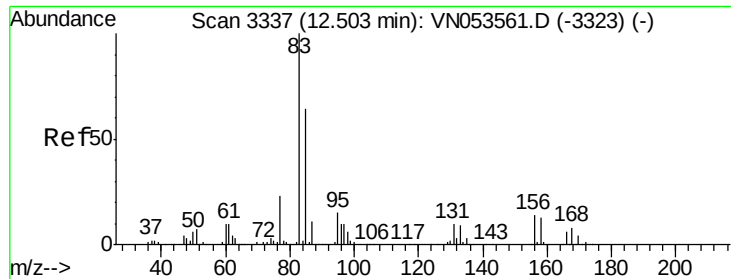
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#74
N-ethyl acetate
Concen: 18.445 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
43	100		
70	45.8	35.4	53.2
55	26.9	20.9	31.3
61	25.8	20.5	30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 18.381 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053589.D

Acq: 4 Feb 2019 11:56

Instrument :

MSVOA_N

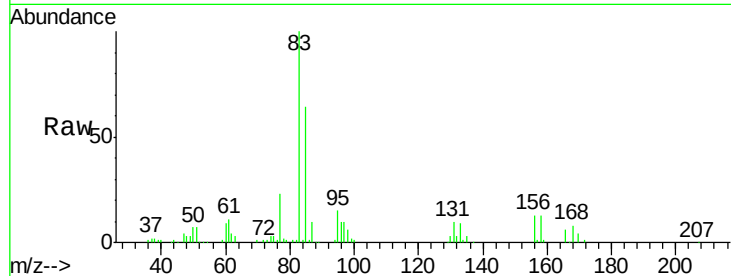
ClientSampled :

VN0204WBS01

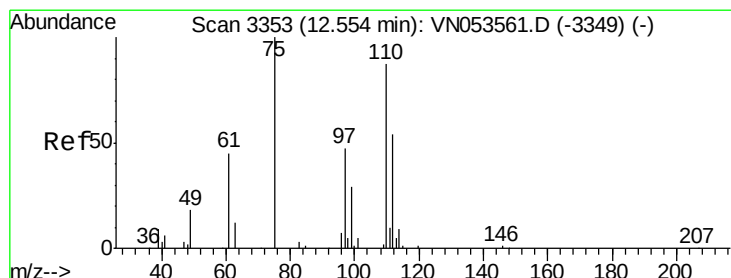
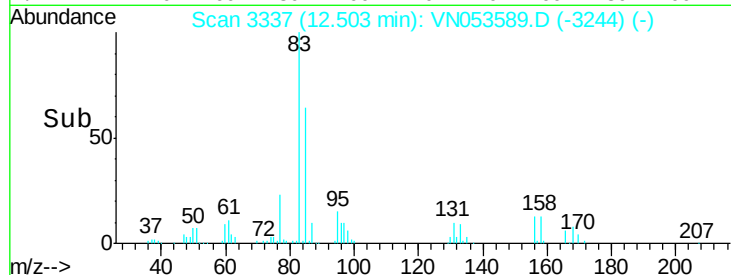
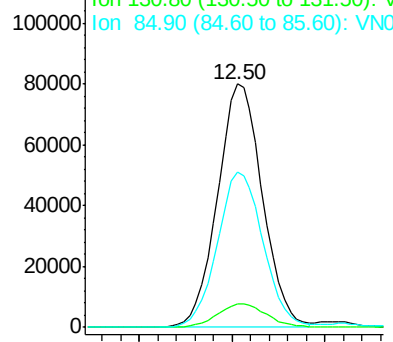
Tot Ion:	83	Resp:	135156
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.3	15.8
85	65.2	32.1	96.3

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN053589.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 20.462 ug/l m

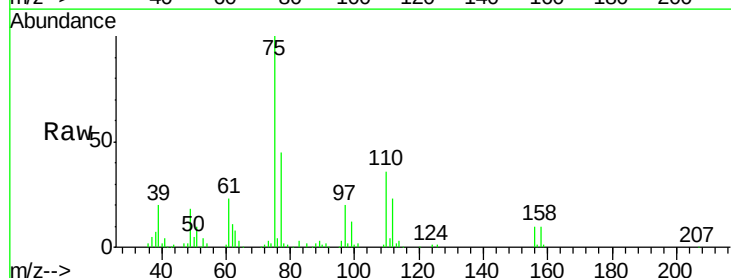
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

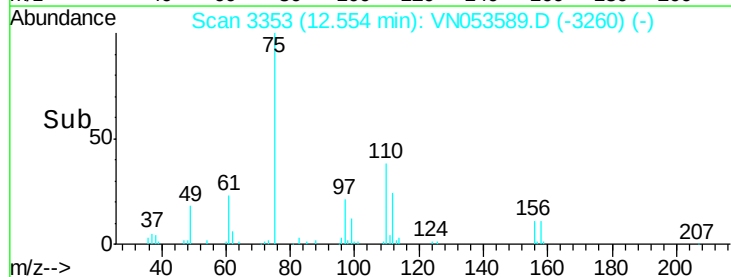
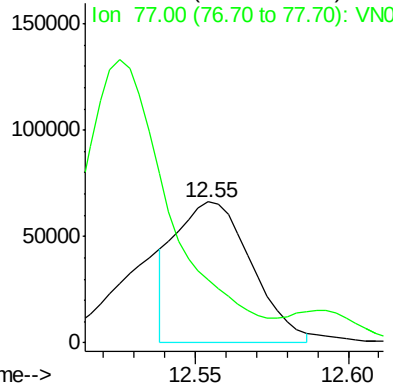
Lab File: VN053589.D

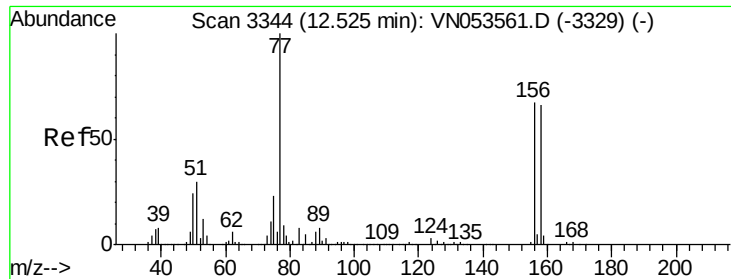
Acq: 4 Feb 2019 11:56

Tgt Ion:	75	Resp:	114865
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN053589.D (-3260) (-)





#77

Bromobenzene

Concen: 18.954 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053589.D

Acq: 4 Feb 2019 11:56

Instrument :

MSVOA_N

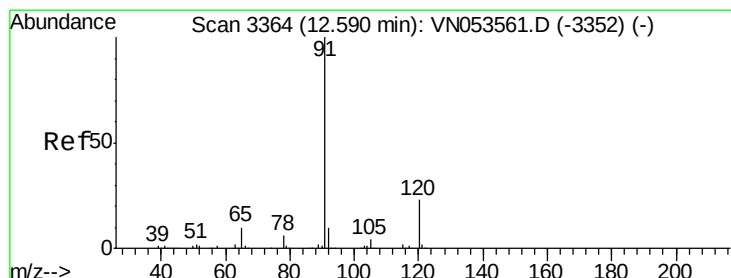
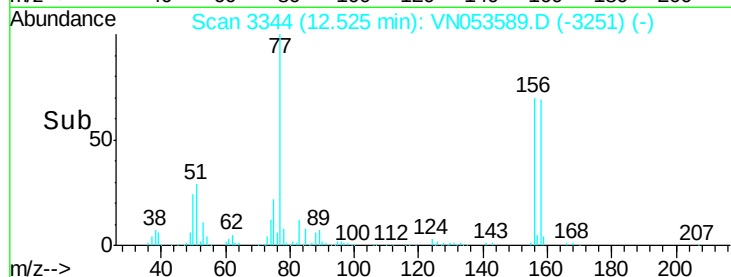
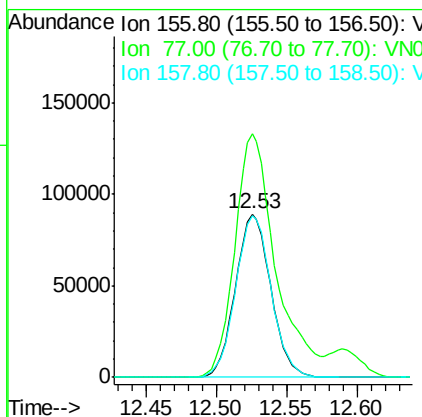
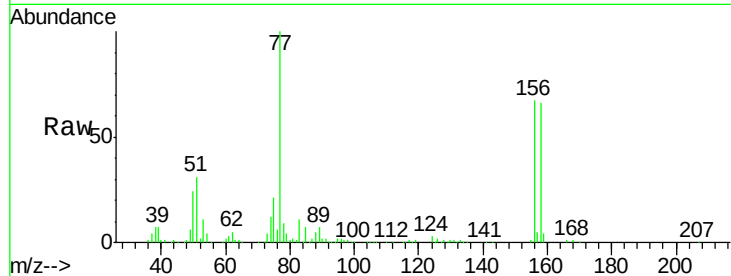
ClientSampled :

VN0204WBS01

Tot Ion:	156	Resp:	156944
Ion Ratio	Lower	Upper	
156	100		
77	171.3	87.9	263.8
158	99.2	48.8	146.4

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#78

n-propylbenzene

Concen: 19.837 ug/l

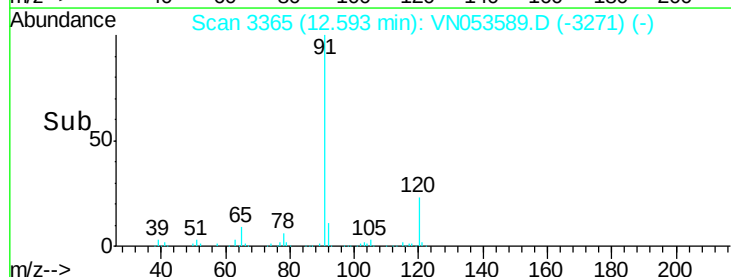
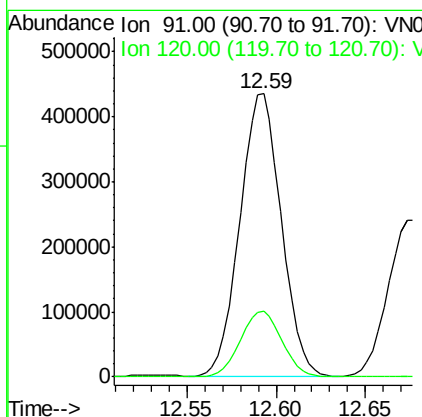
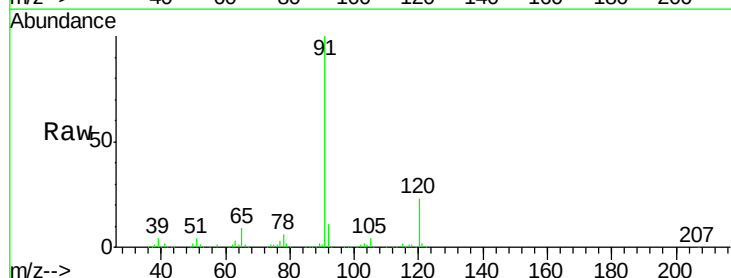
RT: 12.59 min Scan# 3365

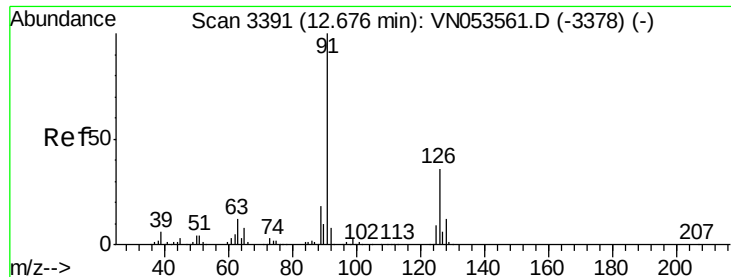
Delta R.T. 0.00 min

Lab File: VN053589.D

Acq: 4 Feb 2019 11:56

Tgt Ion:	91	Resp:	704553
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.9	35.5





#79

2-Chlorotoluene

Concen: 19.589 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053589.D

Acq: 4 Feb 2019 11:56

Instrument :

MSVOA_N

ClientSampled :

VN0204WBS01

Tot Ion: 91 Resp: 412781

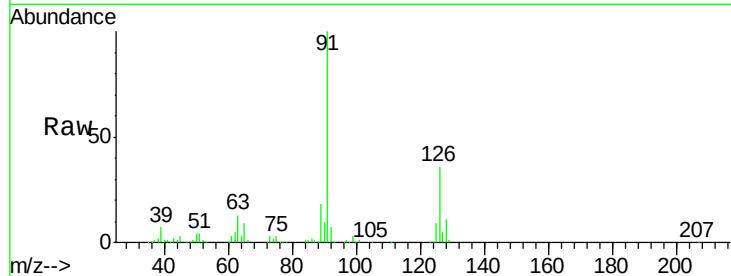
Ion Ratio Lower Upper

91 100

126 36.0 17.9 53.7

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Abundance Ion 91.00 (90.70 to 91.70): VN053589.D (-3298) (-)

Ion 125.90 (125.60 to 126.60): VN053589.D (-3298) (-)

400000

300000

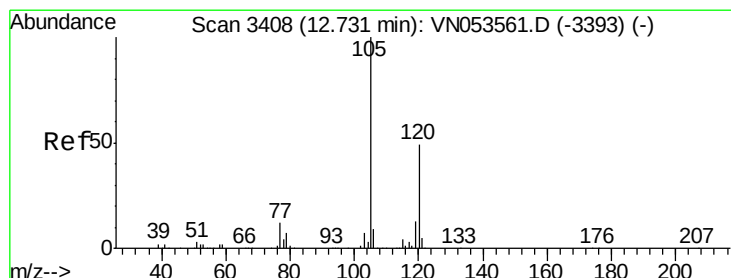
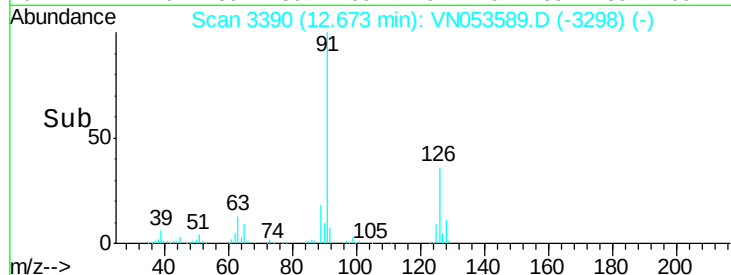
200000

100000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.309 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053589.D

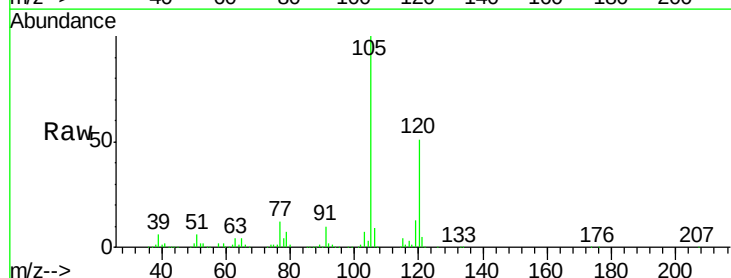
Acq: 4 Feb 2019 11:56

Tgt Ion: 105 Resp: 517430

Ion Ratio Lower Upper

105 100

120 50.4 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VN053589.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN053589.D (-3315) (-)

300000

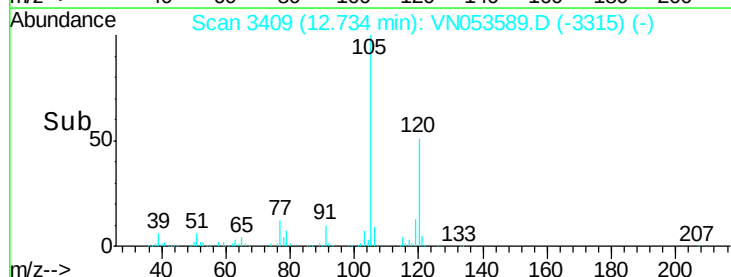
200000

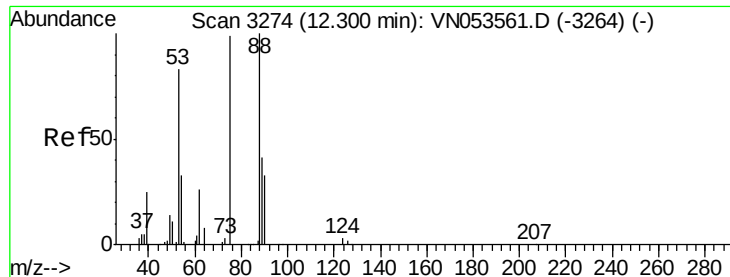
100000

0

12.65 12.70 12.75 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 17.041 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053589.D

Acq: 4 Feb 2019 11:56

Instrument :

MSVOA_N

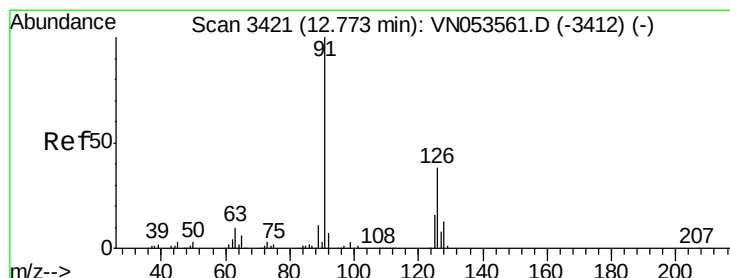
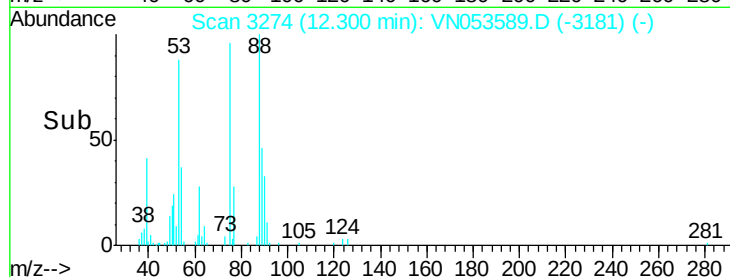
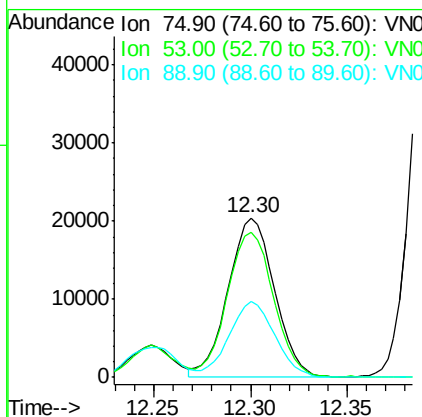
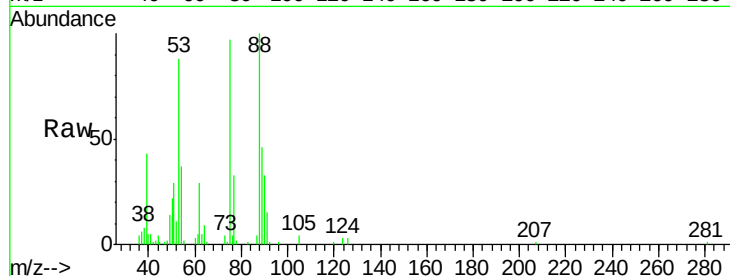
ClientSampleId :

VN0204WBS01

Tot Ion:	75	Resp:	34021
Ion	Ratio	Lower	Upper
75	100		
53	90.8	69.8	104.6
89	47.0	35.6	53.4

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#82

4-Chlorotoluene

Concen: 19.535 ug/l

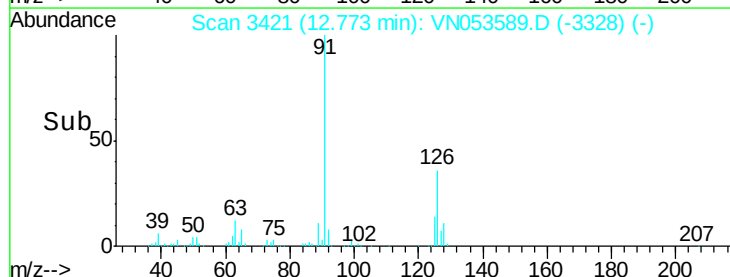
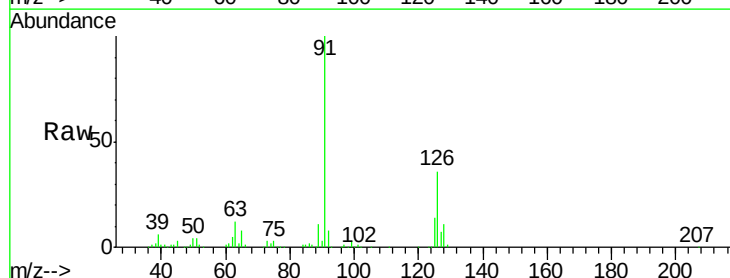
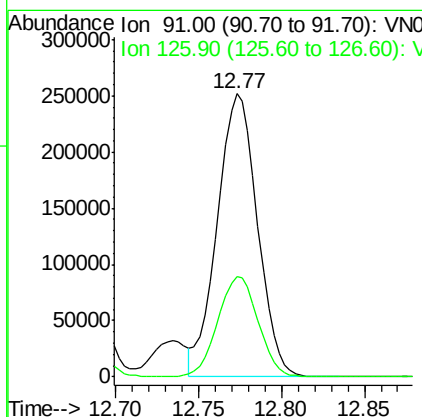
RT: 12.77 min Scan# 3421

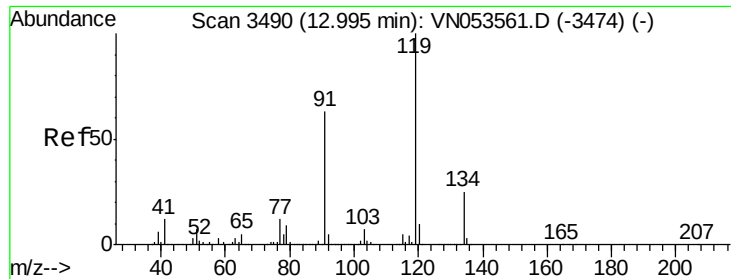
Delta R.T. 0.00 min

Lab File: VN053589.D

Acq: 4 Feb 2019 11:56

Tgt Ion:	91	Resp:	422390
Ion	Ratio	Lower	Upper
91	100		
126	35.6	17.6	52.9





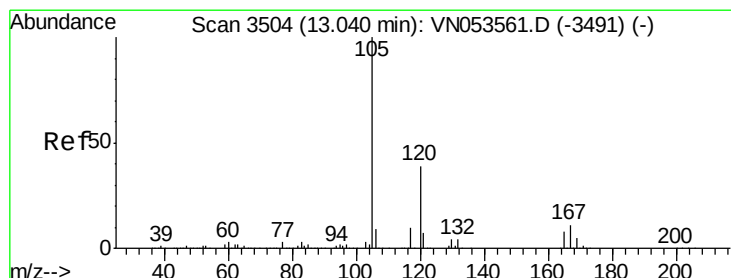
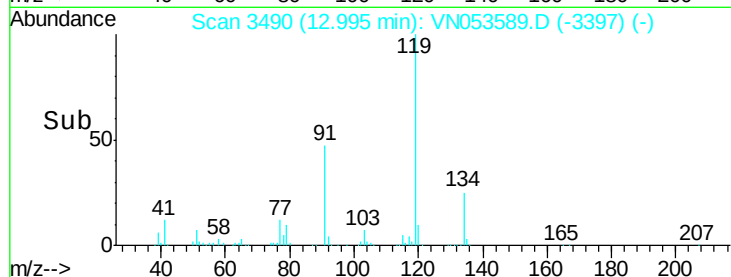
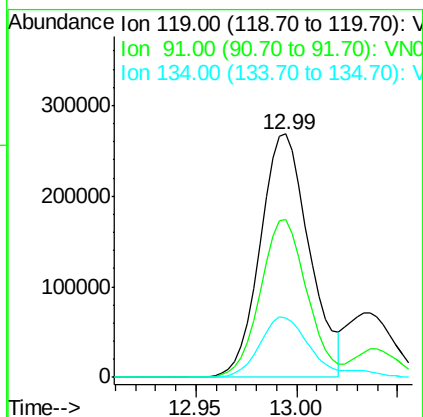
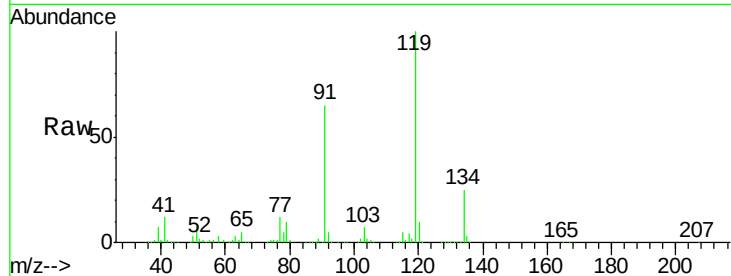
#83
tert-Butylbenzene
Concen: 20.214 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

Instrument :
MSVOA_N
ClientSampleId :
VN0204WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	455168		
91	61.4		31.3	93.8
134	24.7		12.9	38.7

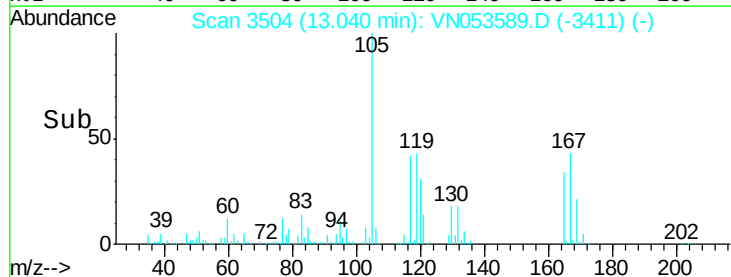
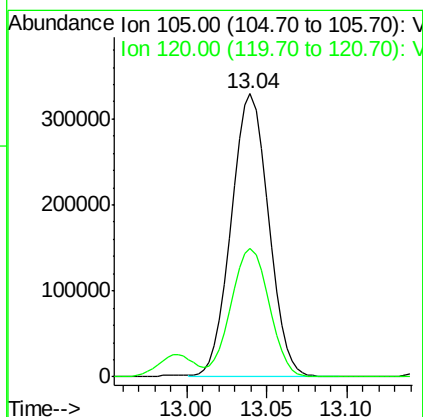
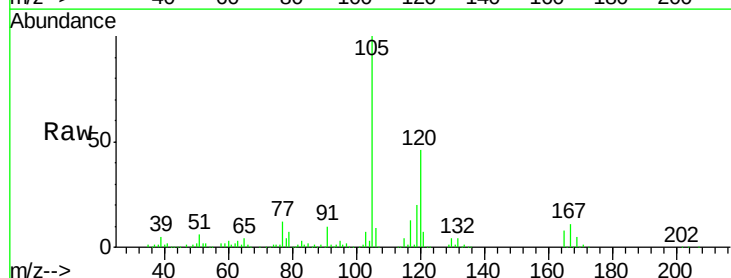
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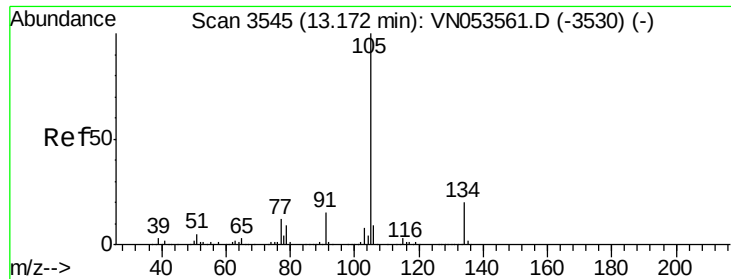
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#84
1,2,4-Trimethylbenzene
Concen: 20.121 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	522276		
120	46.7		23.0	69.0





#85

sec-Butylbenzene

Concen: 20.201 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053589.D

Acq: 4 Feb 2019 11:56

Instrument :

MSVOA_N

ClientSampled :

VN0204WBS01

Tot Ion:105 Resp: 619012

Ion Ratio Lower Upper

105 100

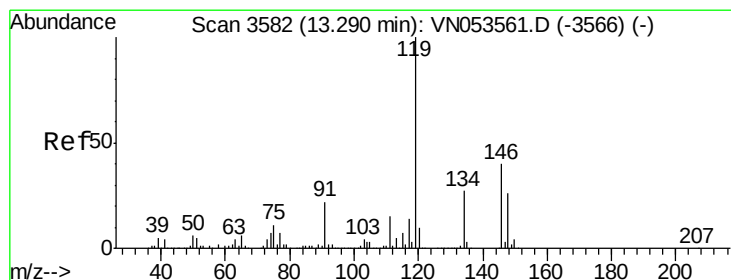
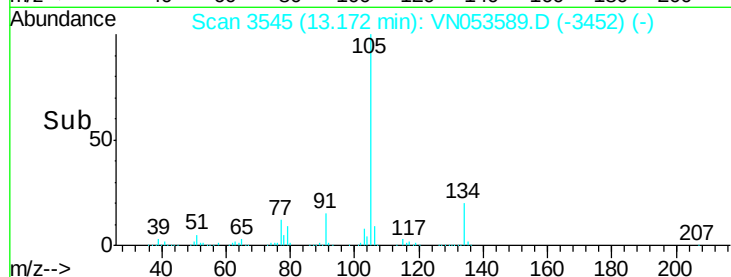
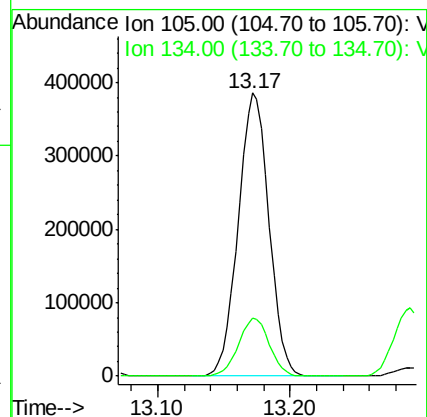
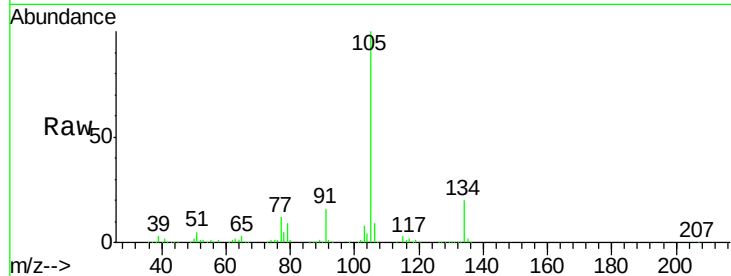
134 20.5 10.2 30.6

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#86

p-Isopropyltoluene

Concen: 20.264 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053589.D

Acq: 4 Feb 2019 11:56

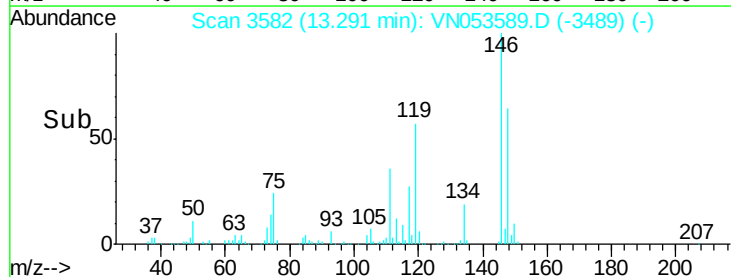
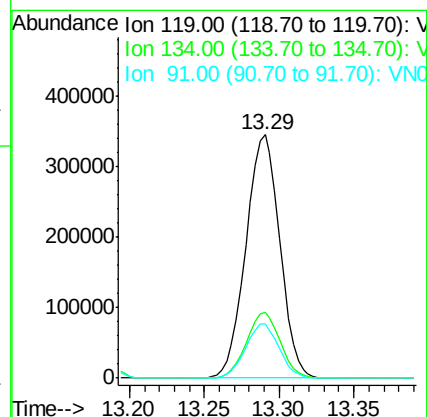
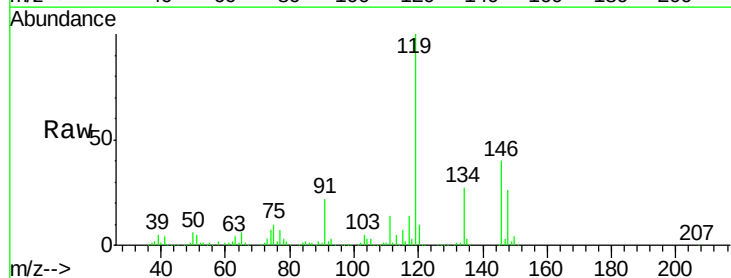
Tgt Ion:119 Resp: 543053

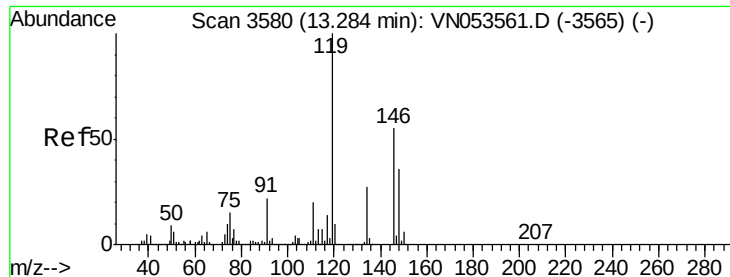
Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.4

91 22.2 11.0 33.0





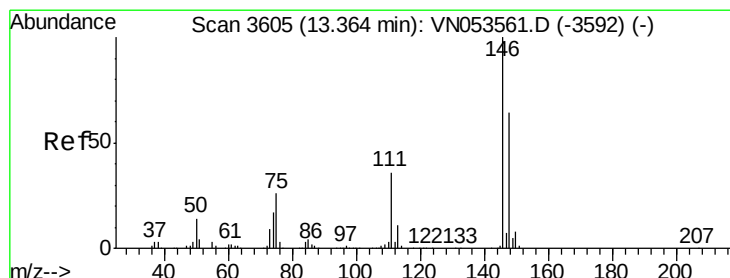
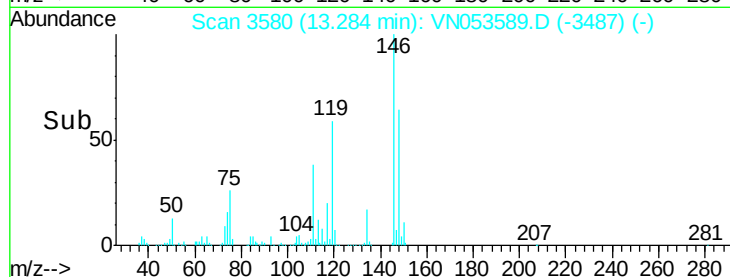
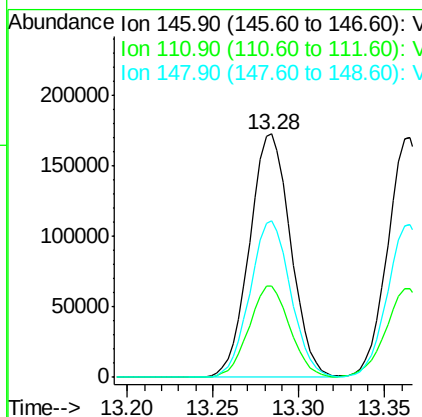
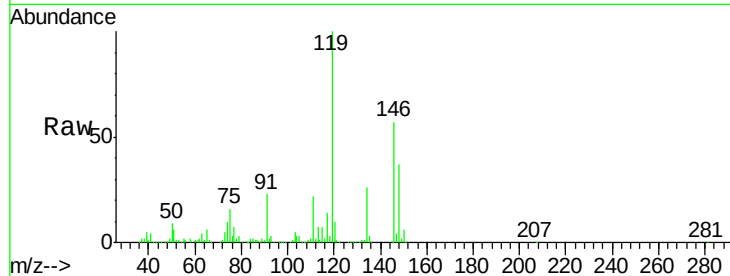
#87
 1,3-Dichlorobenzene
 Concen: 19.254 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053589.D
 Acq: 4 Feb 2019 11:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	286606		
111	37.3	18.8	56.3	
148	63.6	32.0	96.2	

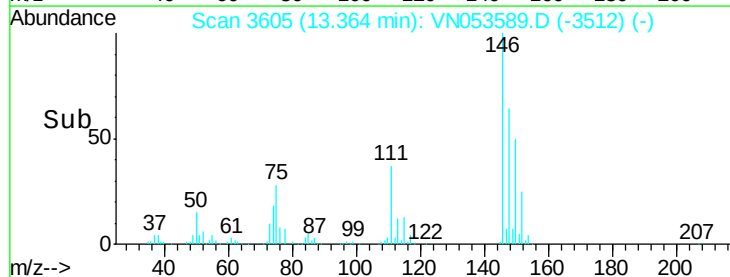
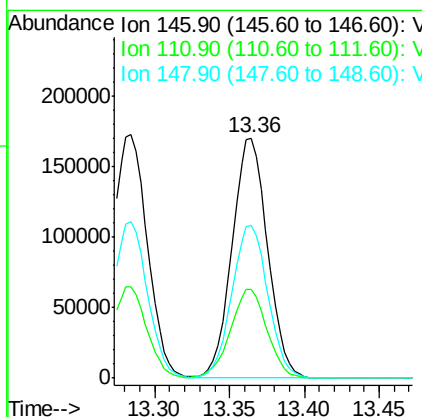
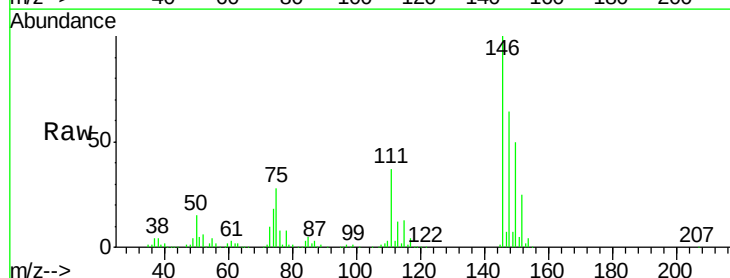
Manual Integrations
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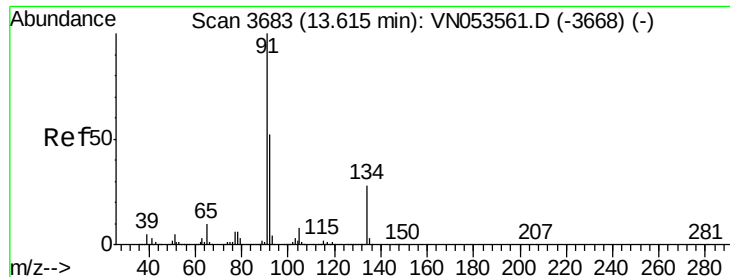
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#88
 1,4-Dichlorobenzene
 Concen: 19.071 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053589.D
 Acq: 4 Feb 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	280806		
111	38.4	18.6	55.8	
148	64.8	32.4	97.0	





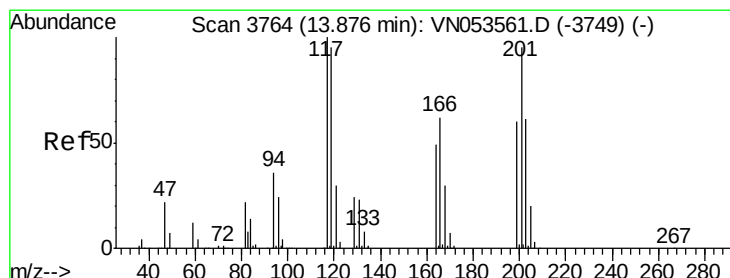
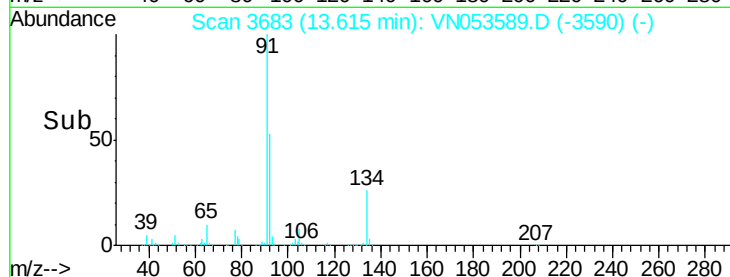
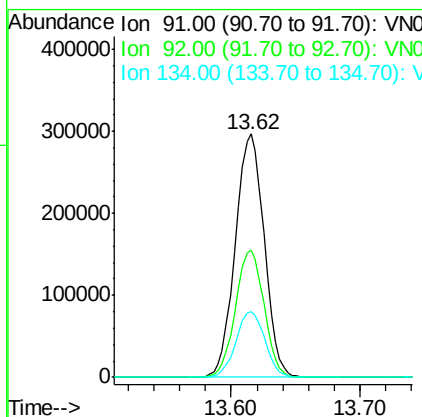
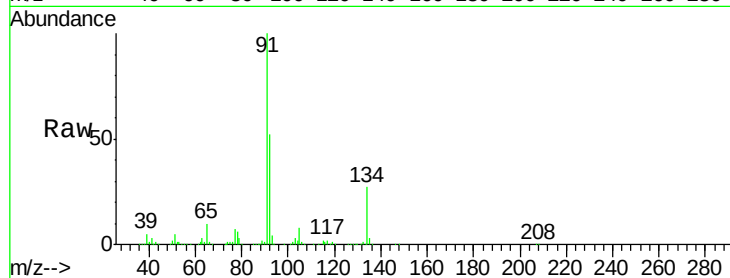
#89
n-Butylbenzene
Concen: 19.936 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

Instrument :
MSVOA_N
ClientSampleId :
VN0204WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.3	78.8
134	26.9	13.5	40.5

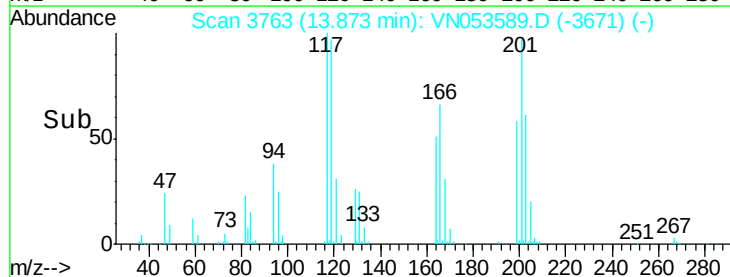
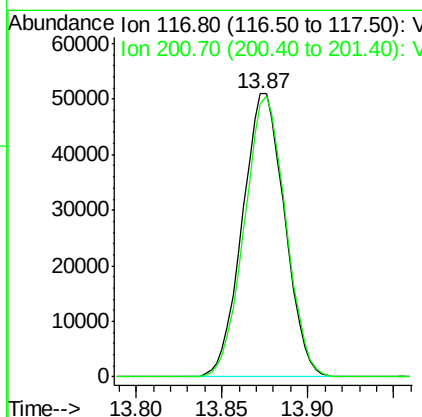
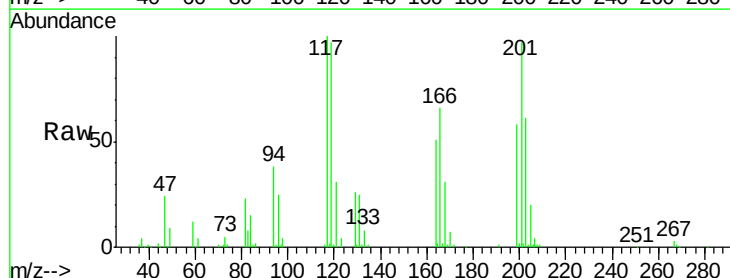
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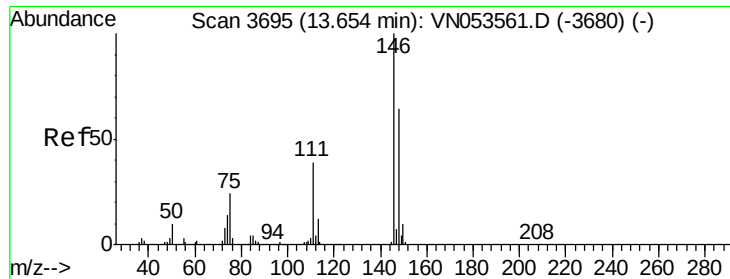
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#90
Hexachloroethane
Concen: 19.657 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.7	46.8	140.4





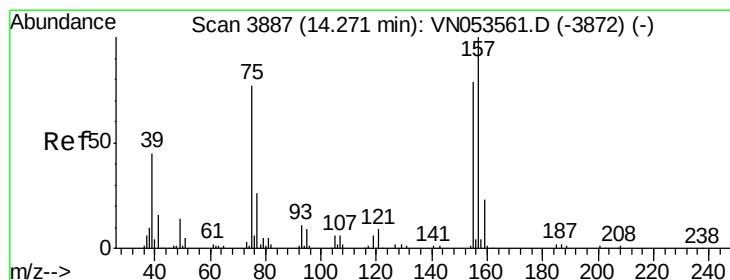
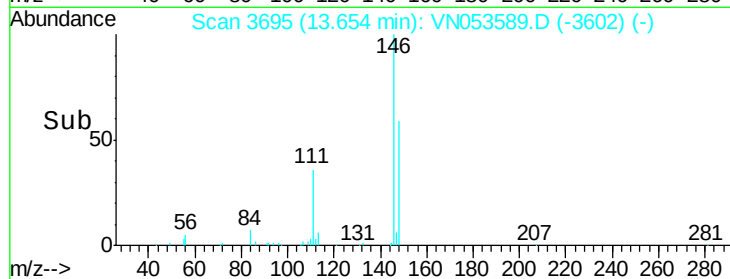
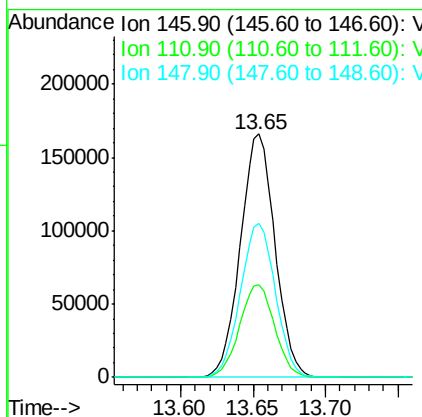
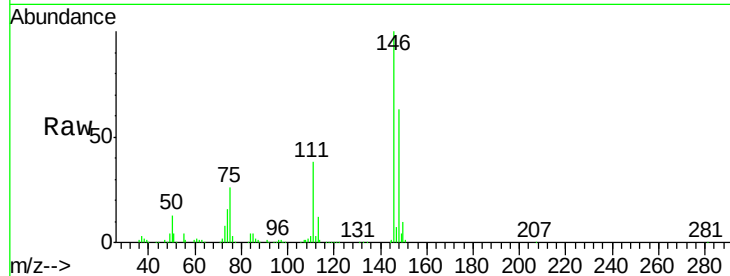
#91
 1,2-Dichlorobenzene
 Concen: 19.310 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053589.D
 Acq: 4 Feb 2019 11:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	275179		
111	38.5		19.5	58.5
148	64.2		31.9	95.9

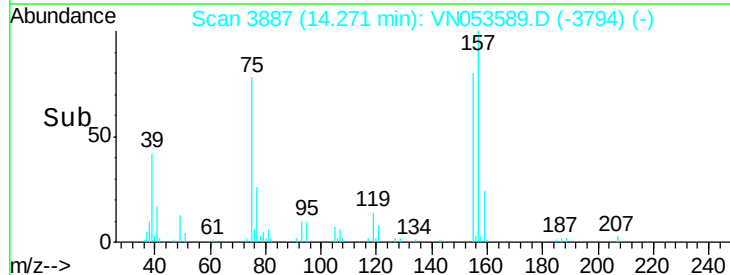
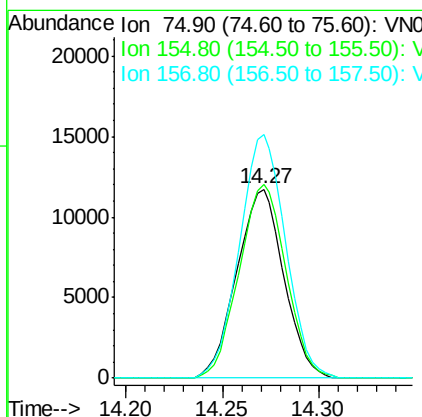
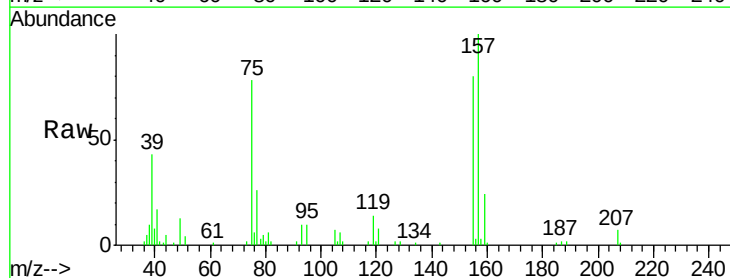
Manual Integrations
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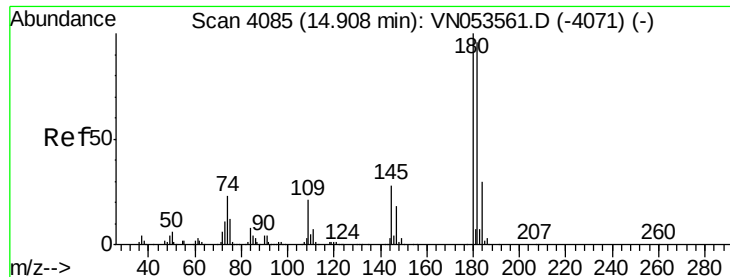
MMDadoda
 2/5/2019 9:53:46 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.892 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053589.D
 Acq: 4 Feb 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	19798		
155	102.7		48.9	146.7
157	127.0		63.7	191.3





#93

1,2,4-Trichlorobenzene

Concen: 18.887 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN053589.D

Acq: 4 Feb 2019 11:56

Instrument :

MSVOA_N

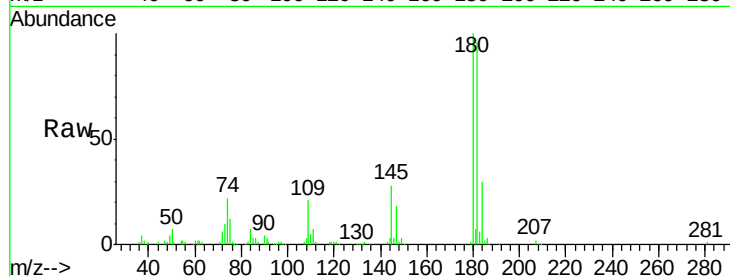
ClientSampled :

VN0204WBS01

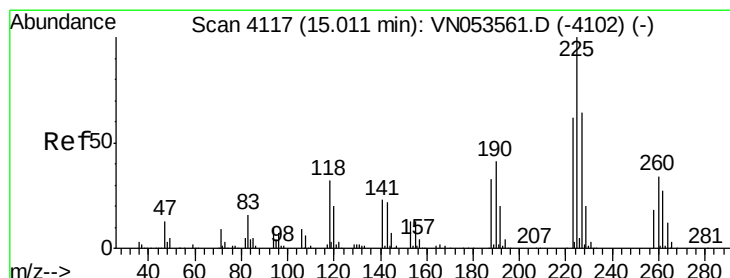
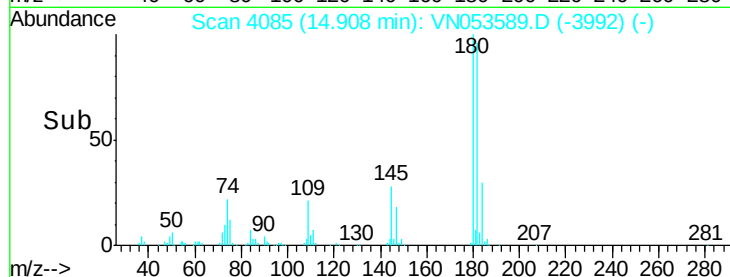
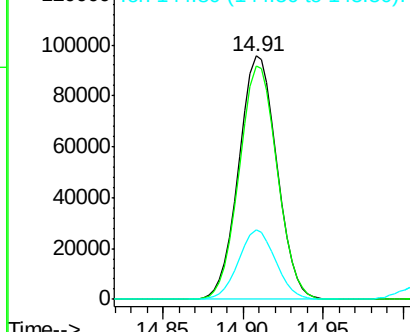
Tot Ion:	180	Resp:	154361
Ion Ratio	Lower	Upper	
180	100		
182	95.9	48.1	144.3
145	27.9	13.9	41.6

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



#94

Hexachlorobutadiene

Concen: 20.486 ug/l

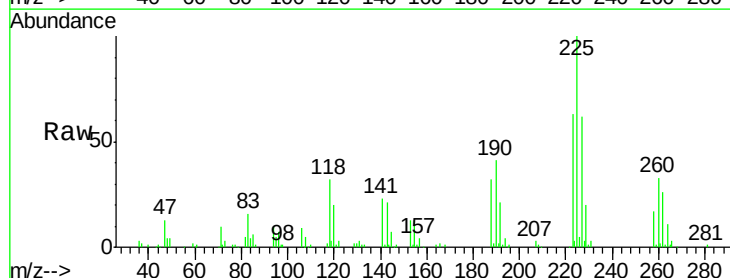
RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

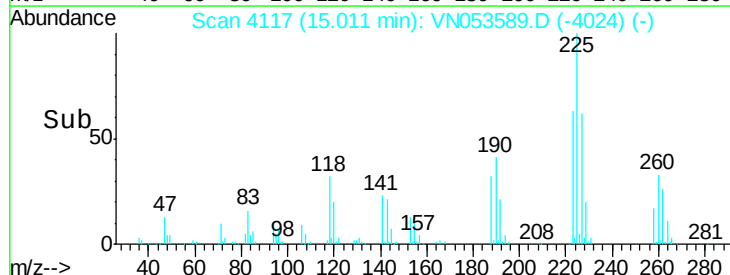
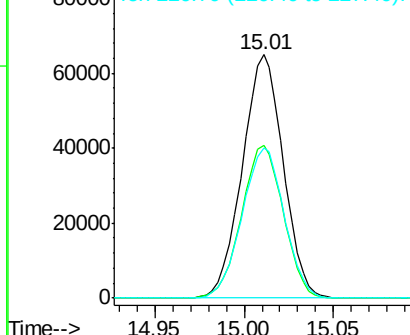
Lab File: VN053589.D

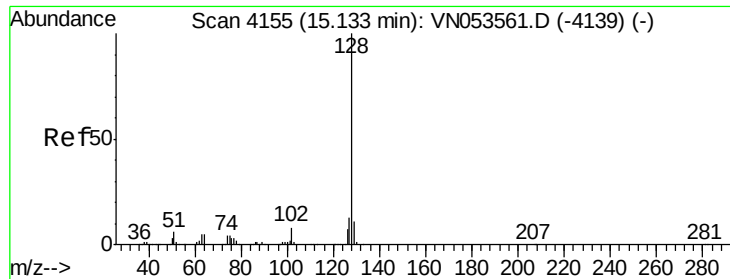
Acq: 4 Feb 2019 11:56

Tgt Ion:	225	Resp:	104268
Ion Ratio	Lower	Upper	
225	100		
223	63.9	31.1	93.2
227	63.6	32.0	96.2



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





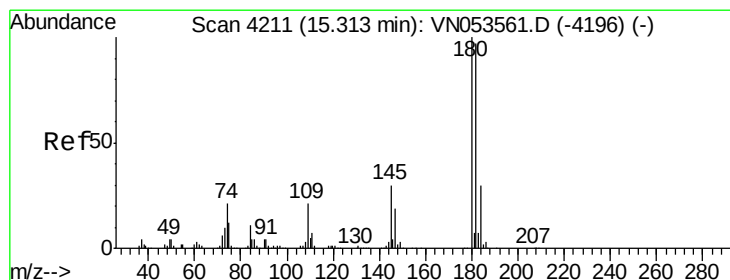
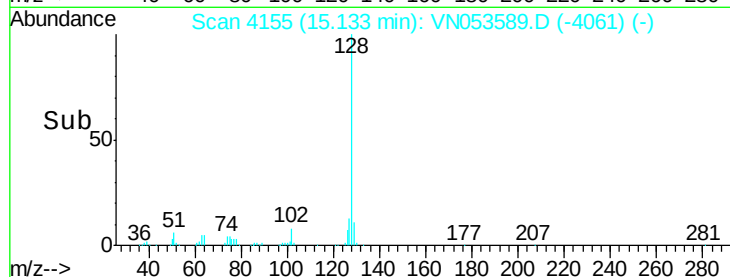
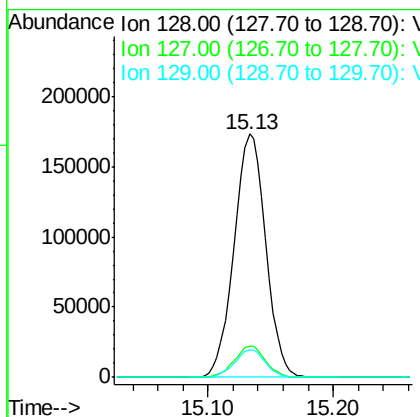
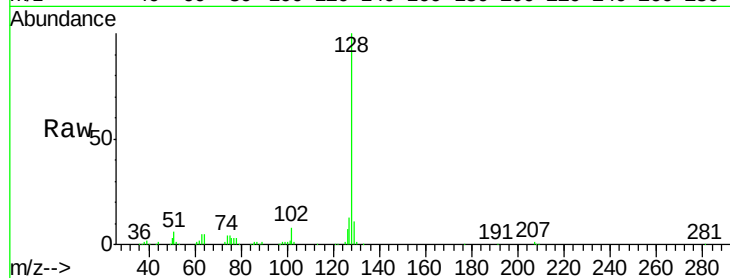
#95
Naphthalene
Concen: 16.997 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

Instrument :
MSVOA_N
ClientSampleId :
VN0204WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	303520		
127	12.7		10.3	15.5
129	10.9		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/5/2019 9:53:46 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.628 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN053589.D
Acq: 4 Feb 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	141265		
182	96.5		47.9	143.8
145	30.1		14.7	44.1

