

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020119\
 Data File : VN053577.D
 Acq On : 1 Feb 2019 15:35
 Operator : JC/SP
 Sample : VN0201WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0201WBS01

Manual Integrations
 APPROVED

MMDadoda
 2/4/2019 9:49:23 AM

Quant Time: Feb 01 23:25:44 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	639627	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1006110	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	874330	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	418441	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	349478	54.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.92%	
35) Dibromofluoromethane	7.59	113	336024	52.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.72%	
50) Toluene-d8	10.09	98	1225698	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	
62) 4-Bromofluorobenzene	12.40	95	405745	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.85	85	147754	20.689	ug/l	99
3) Chloromethane	2.06	50	156005	20.544	ug/l	99
4) Vinyl Chloride	2.18	62	155858	21.143	ug/l	100
5) Bromomethane	2.57	94	97144	20.155	ug/l	99
6) Chloroethane	2.71	64	87130	20.684	ug/l	100
7) Trichlorofluoromethane	3.02	101	204325	20.440	ug/l	97
8) Diethyl Ether	3.41	74	74023	20.276	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	127056	20.552	ug/l	98
10) Methyl Iodide	3.95	142	179628	18.512	ug/l	99
11) Tert butyl alcohol	4.79	59	42020	110.650	ug/l	98
12) 1,1-Dichloroethene	3.74	96	122394	20.664	ug/l	98
13) Acrolein	3.61	56	12802	61.917	ug/l	98
14) Allyl chloride	4.32	41	189431	20.086	ug/l	98
15) Acrylonitrile	4.99	53	227690	111.062	ug/l	100
16) Acetone	3.82	43	184614	112.166	ug/l	100
17) Carbon Disulfide	4.05	76	362506	19.655	ug/l	99
18) Methyl Acetate	4.33	43	104389	21.416	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	321463	21.409	ug/l	98
20) Methylene Chloride	4.55	84	143534	20.786	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	128377	20.090	ug/l	99
22) Diisopropyl ether	5.95	45	362254	20.730	ug/l	95
23) Vinyl Acetate	5.90	43	1299712	107.515	ug/l	98
24) 1,1-Dichloroethane	5.85	63	241402	20.712	ug/l	99
25) 2-Butanone	6.84	43	255599	108.885	ug/l	100
26) 2,2-Dichloropropane	6.82	77	176581	19.847	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	149370	21.021	ug/l	97
28) Bromochloromethane	7.19	49	95121	18.806	ug/l	98
29) Tetrahydrofuran	7.21	42	172998	114.770	ug/l	100
30) Chloroform	7.37	83	237010	20.513	ug/l	99
31) Cyclohexane	7.65	56	216685	19.866	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	199048	20.701	ug/l	99
36) 1,1-Dichloropropene	7.79	75	176278	19.436	ug/l	98
37) Ethyl Acetate	6.93	43	113029	22.314	ug/l	99
38) Carbon Tetrachloride	7.77	117	176965	19.369	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	203570	18.919	ug/l	98
40) Benzene	8.04	78	550321	19.677	ug/l	99
41) Methacrylonitrile	7.18	41	57759	20.402	ug/l #	87
42) 1,2-Dichloroethane	8.12	62	163482	19.687	ug/l	98
43) Isopropyl Acetate	8.17	43	189369	19.358	ug/l #	88
44) Trichloroethene	8.83	130	153194	19.240	ug/l	100
45) 1,2-Dichloropropane	9.12	63	143774	20.099	ug/l	98
46) Dibromomethane	9.21	93	88052	20.419	ug/l	98
47) Bromodichloromethane	9.40	83	180624	20.146	ug/l	100
48) Methyl methacrylate	9.20	41	90763	19.437	ug/l	94
49) 1,4-Dioxane	9.20	88	26994	422.461	ug/l #	94
51) 4-Methyl-2-Pentanone	9.99	43	510000	106.095	ug/l	100
52) Toluene	10.16	92	330145	19.890	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	172812	19.248	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	207954	19.547	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	123827	20.703	ug/l	99
56) Ethyl methacrylate	10.43	69	142436	20.130	ug/l	100
57) 1,3-Dichloropropane	10.71	76	206852	20.235	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	385423	93.026	ug/l	99
59) 2-Hexanone	10.75	43	332790	101.978	ug/l	100
60) Dibromochloromethane	10.90	129	134861	19.995	ug/l	99
61) 1,2-Dibromoethane	11.01	107	116521	19.683	ug/l	99
64) Tetrachloroethene	10.63	164	146002	19.480	ug/l	99
65) Chlorobenzene	11.43	112	363534	19.575	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	129438	19.957	ug/l	99
67) Ethyl Benzene	11.51	91	594491	19.487	ug/l	100
68) m/p-Xylenes	11.62	106	467950	40.189	ug/l	99
69) o-Xylene	11.95	106	226175	20.107	ug/l	99
70) Styrene	11.96	104	368710	20.223	ug/l	100
71) Bromoform	12.13	173	91920	20.672	ug/l #	100
73) Isopropylbenzene	12.25	105	592673	20.148	ug/l	99
74) N-amyl acetate	12.07	43	137886	19.493	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	141459	20.094	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	117057m	21.780	ug/l	
77) Bromobenzene	12.53	156	155508	19.616	ug/l	99
78) n-propylbenzene	12.59	91	676609	19.897	ug/l	99
79) 2-Chlorotoluene	12.67	91	404337	20.042	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	504593	20.686	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	37253	19.490	ug/l	99
82) 4-Chlorotoluene	12.77	91	410610	19.834	ug/l	99
83) tert-Butylbenzene	12.99	119	445795	20.678	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	502746	20.230	ug/l	98
85) sec-Butylbenzene	13.17	105	597920	20.381	ug/l	99
86) p-Isopropyltoluene	13.29	119	515229	20.080	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	276489	19.401	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	271265	19.242	ug/l	99
89) n-Butylbenzene	13.62	91	432741	19.485	ug/l	100
90) Hexachloroethane	13.87	117	84168	19.887	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	271006	19.863	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	20793	20.724	ug/l	95

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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)
93) 1,2,4-Trichlorobenzene	14.91	180	148771	19.012	ug/l	99
94) Hexachlorobutadiene	15.01	225	97941	20.098	ug/l	99
95) Naphthalene	15.13	128	326476	18.881	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	143722	19.795	ug/l	99

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

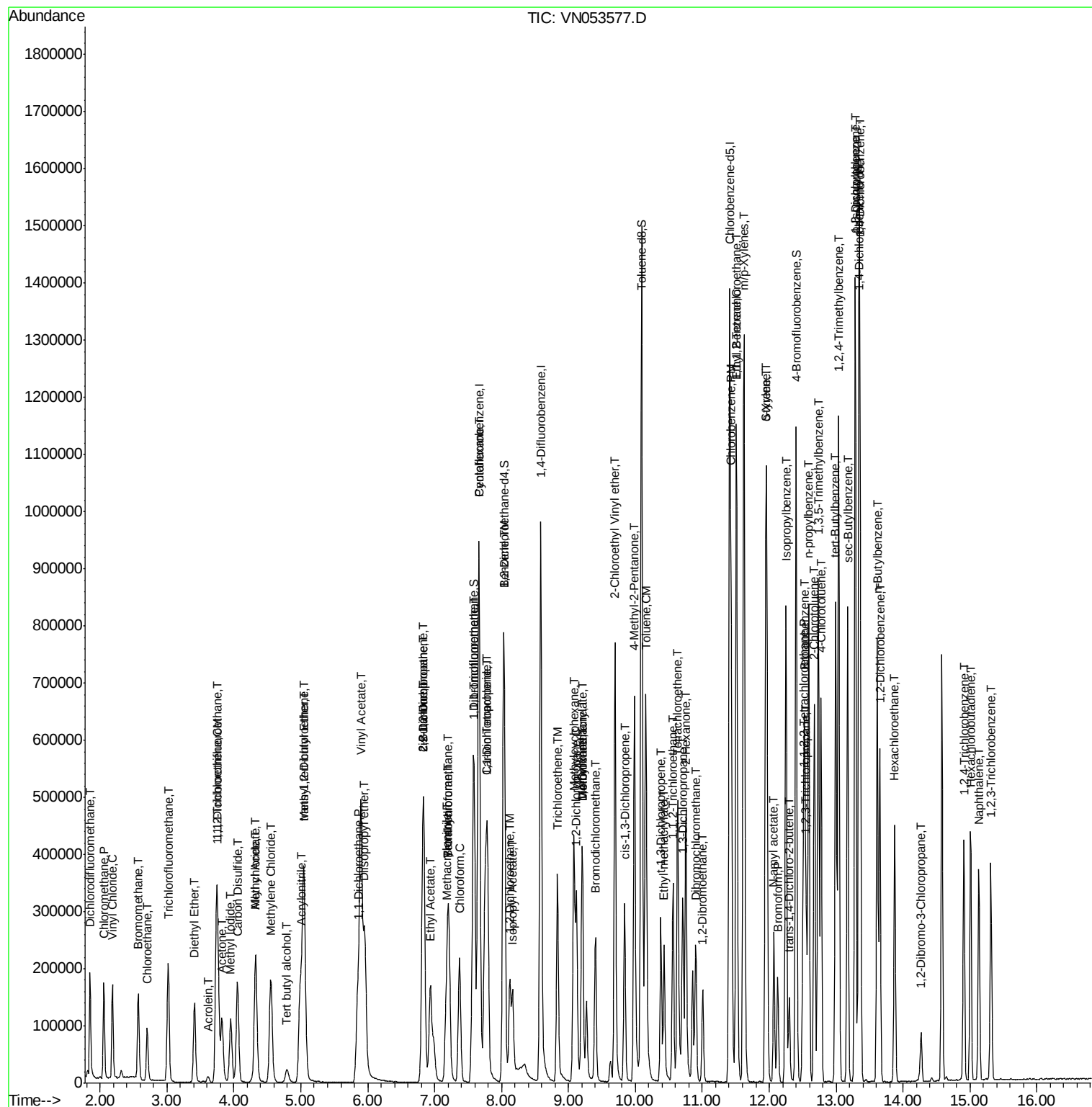
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020119\
Data File : VN053577.D
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Operator : JC/SP
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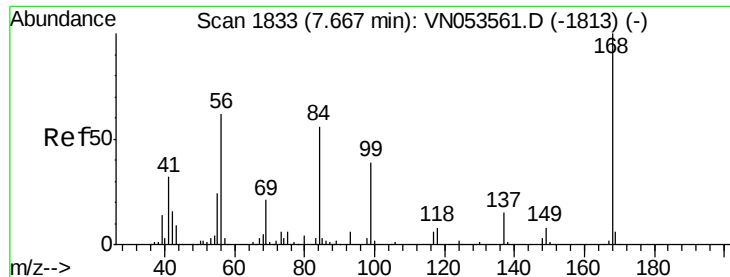
Instrument :
MSVOA_N
Client Sample Id :
VN0201WBS01

Manual Integrations
APPROVED

MMDadoda
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053577.D

Acq: 1 Feb 2019 15:35

Instrument :

MSVOA_N

ClientSampleId :

VN0201WBS01

Tgt Ion:168 Resp: 639627

Ion Ratio Lower Upper

168 100

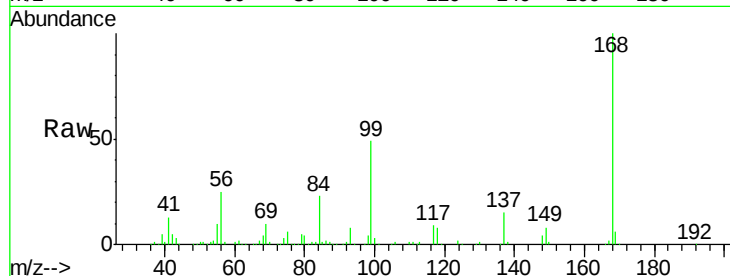
99 47.4 39.1 58.7

Manual Integrations

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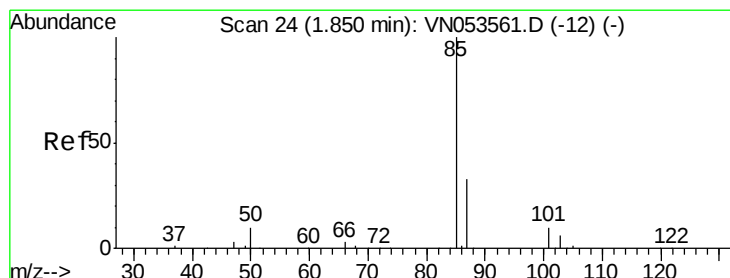
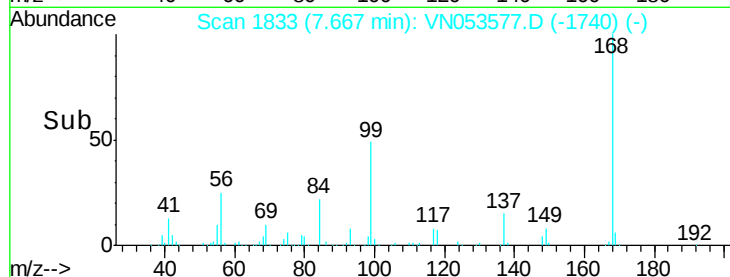
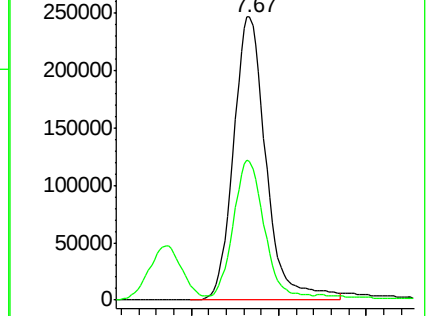
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 20.689 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053577.D

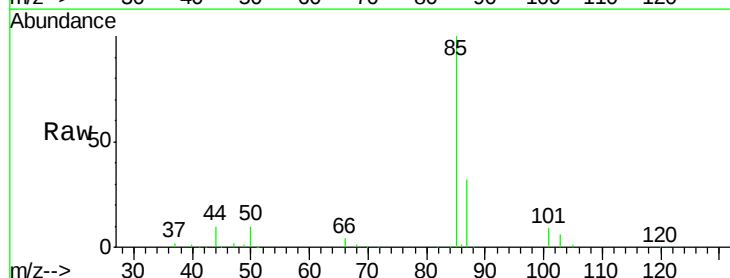
Acq: 1 Feb 2019 15:35

Tgt Ion: 85 Resp: 147754

Ion Ratio Lower Upper

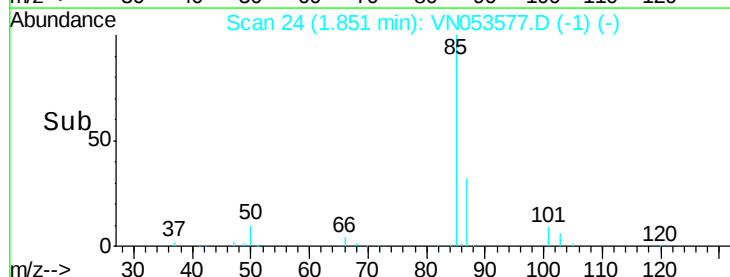
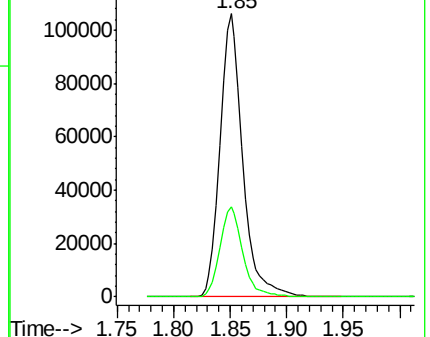
85 100

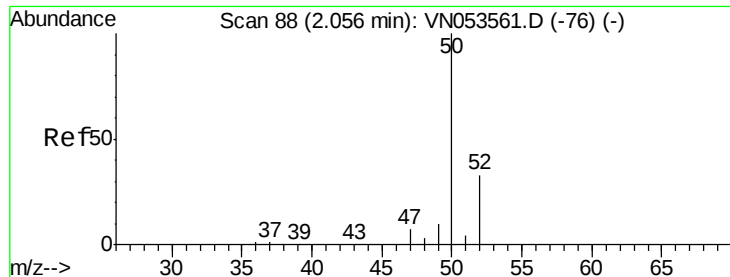
87 32.0 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 20.544 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN053577.D

Acq: 1 Feb 2019 15:35

Instrument :

MSVOA_N

ClientSampleId :

VN0201WBS01

Tgt Ion: 50 Resp: 156005

Ion Ratio Lower Upper

50 100

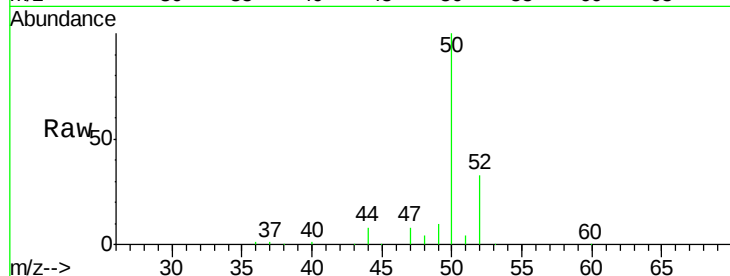
52 32.6 26.6 40.0

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

120000

100000

80000

60000

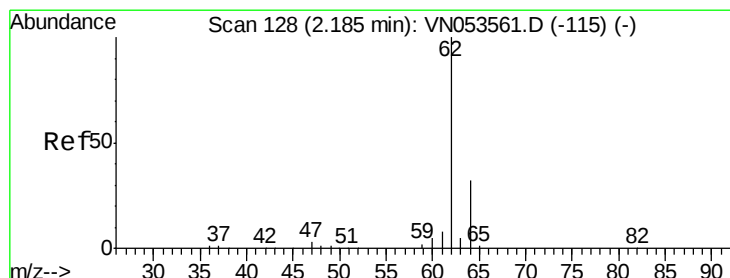
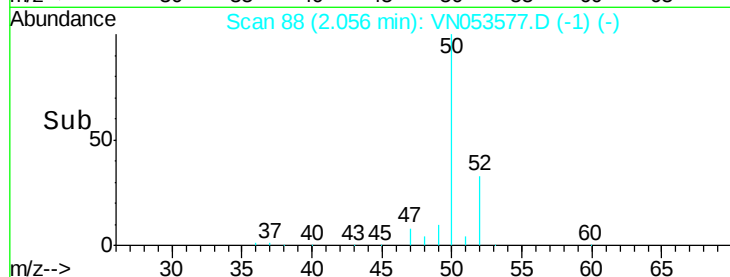
40000

20000

0

2.00 2.05 2.10

Time-->



#4

Vinyl Chloride

Concen: 21.143 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN053577.D

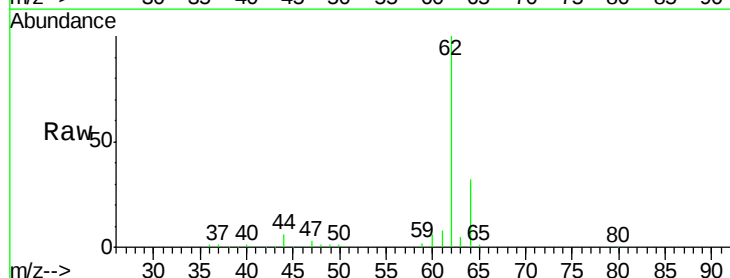
Acq: 1 Feb 2019 15:35

Tgt Ion: 62 Resp: 155858

Ion Ratio Lower Upper

62 100

64 31.6 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

120000

100000

80000

60000

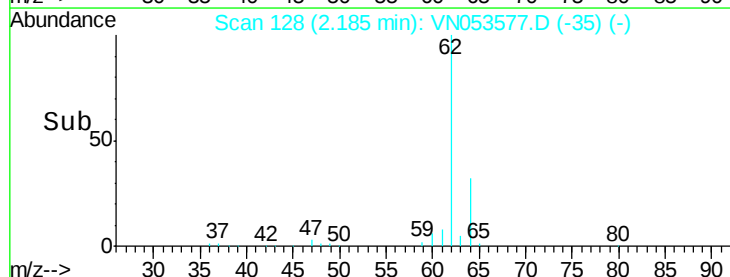
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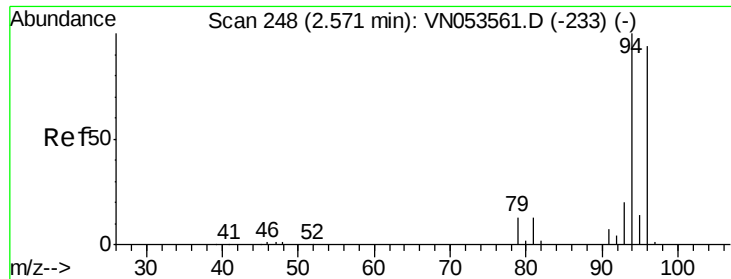
20000

0

2.10 2.15 2.20 2.25 2.30

Time-->





#5

Bromomethane

Concen: 20.155 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN053577.D

Acq: 1 Feb 2019 15:35

Instrument :

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Tgt Ion: 94 Resp: 97144

Ion Ratio Lower Upper

94 100

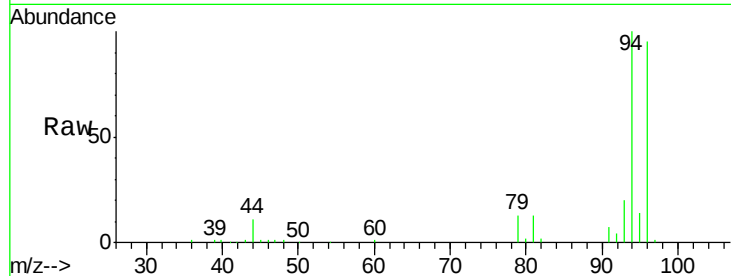
96 95.1 76.8 115.2

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

60000

50000

40000

30000

20000

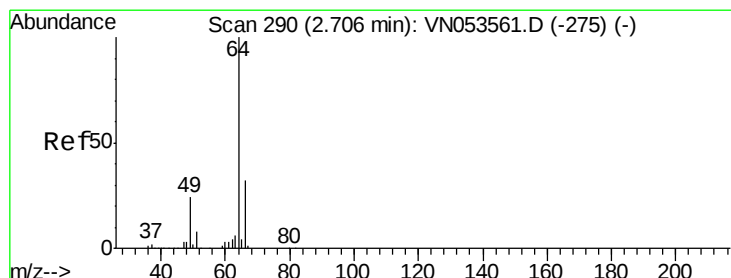
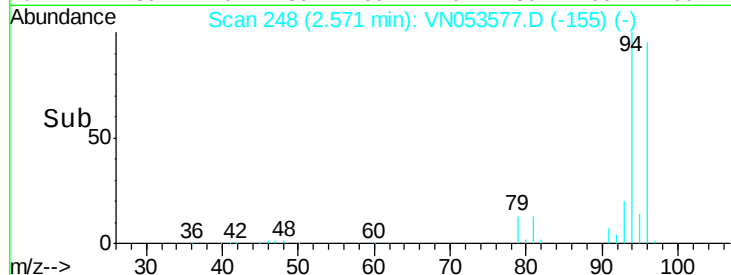
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Time-->

2.50 2.55 2.60 2.65

2.57



#6

Chloroethane

Concen: 20.684 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN053577.D

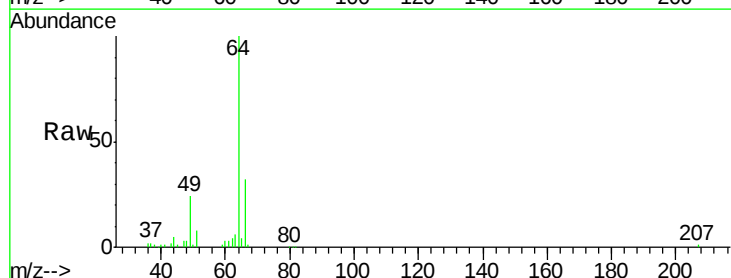
Acq: 1 Feb 2019 15:35

Tgt Ion: 64 Resp: 87130

Ion Ratio Lower Upper

64 100

66 31.6 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

50000

40000

30000

20000

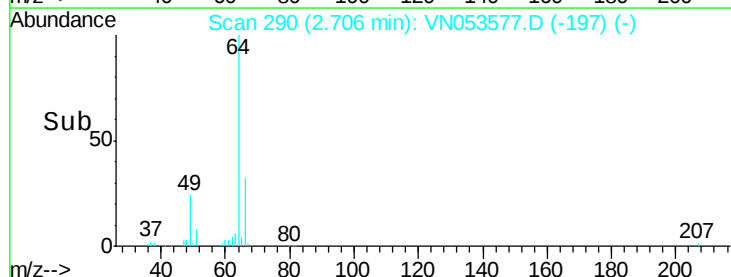
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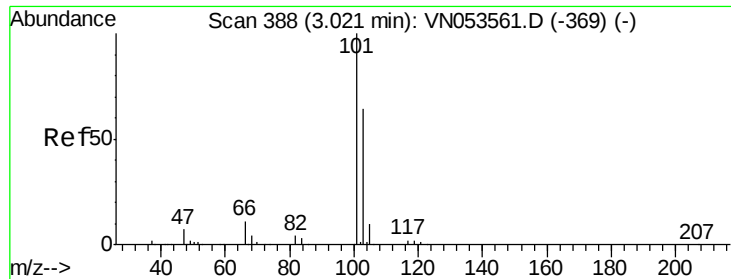
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Time-->

2.60 2.65 2.70 2.75 2.80

2.71





#7

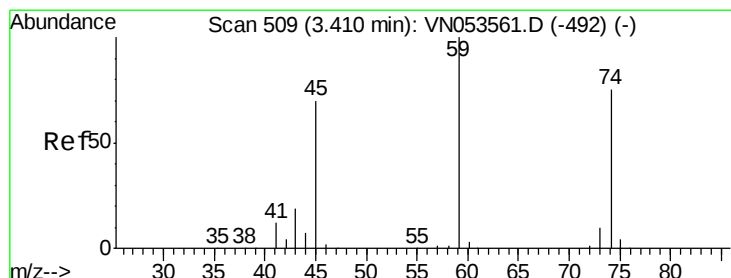
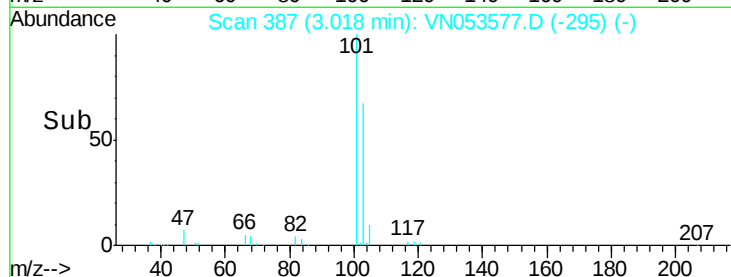
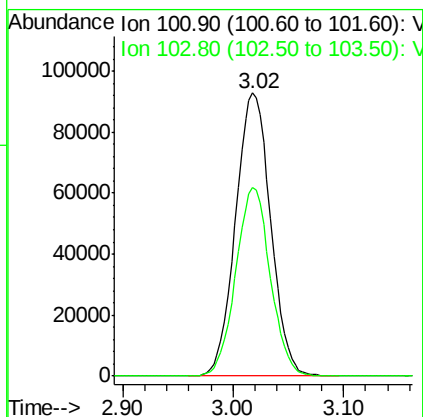
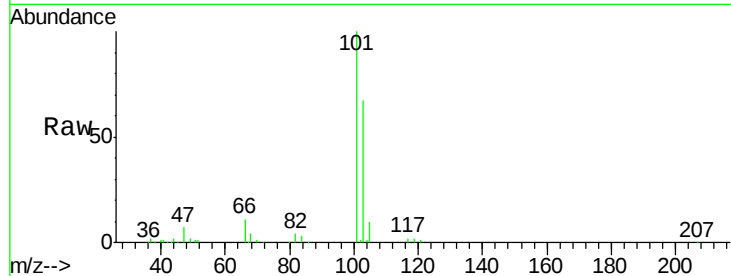
Trichlorofluoromethane
 Concen: 20.440 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. -0.00 min
 Lab File: VN053577.D
 Acq: 1 Feb 2019 15:35

Instrument :
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Tgt Ion	Ratio	Lower	Upper
101	100		
103	66.5	51.6	77.4

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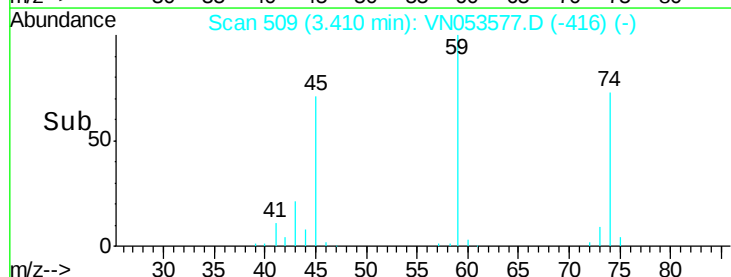
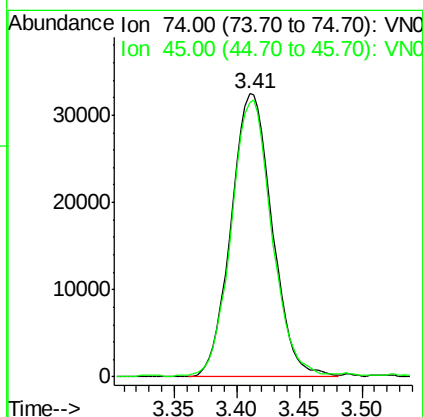
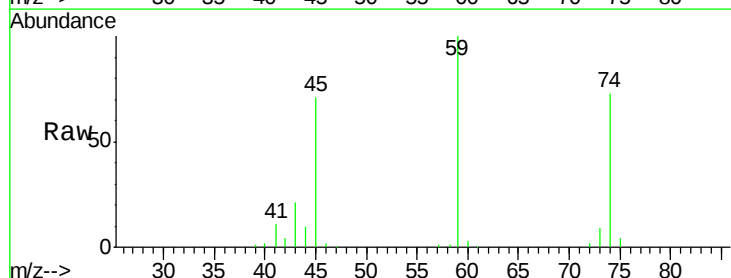
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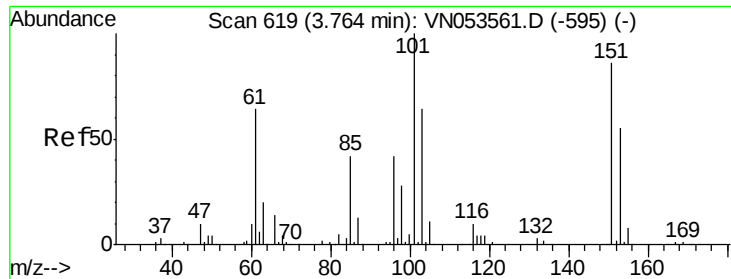


#8

Diethyl Ether
 Concen: 20.276 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN053577.D
 Acq: 1 Feb 2019 15:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.7	47.9	143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.552 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN053577.D

Acq: 1 Feb 2019 15:35

Instrument :

MSVOA_N

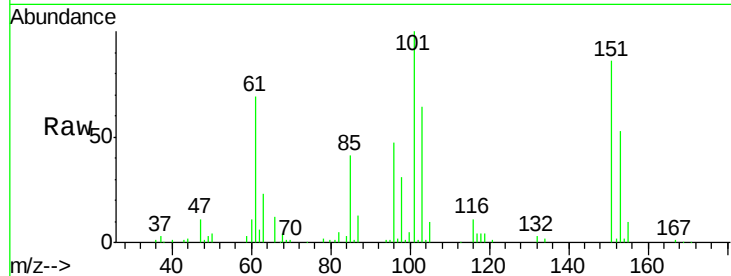
ClientSampleId :

VN0201WBS01

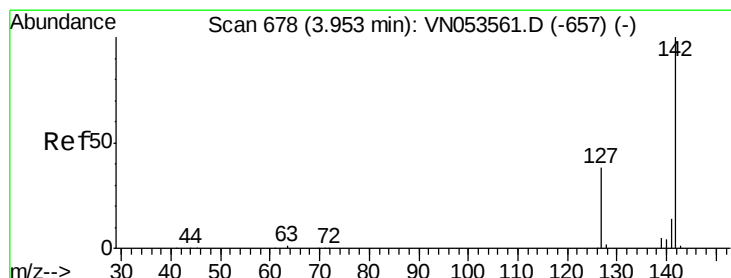
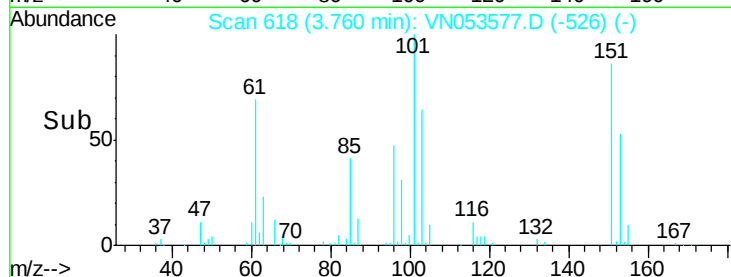
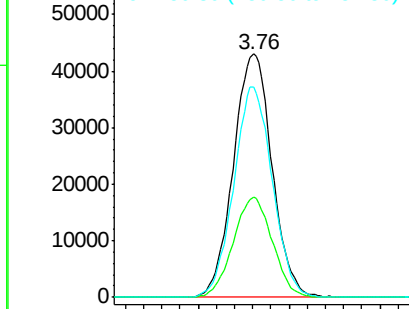
Tgt Ion:	101	Resp:	127056
Ion Ratio	Lower	Upper	
101	100		
85	41.4	32.8	49.2
151	86.1	66.9	100.3

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



#10

Methyl Iodide

Concen: 18.512 ug/l

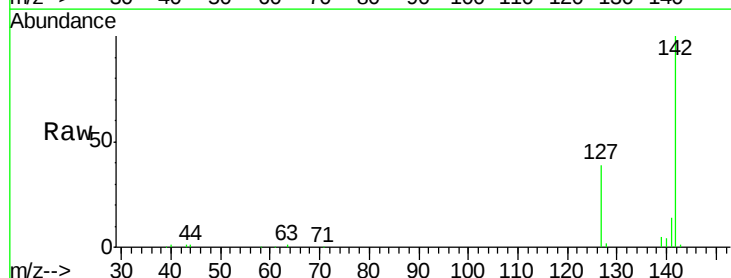
RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

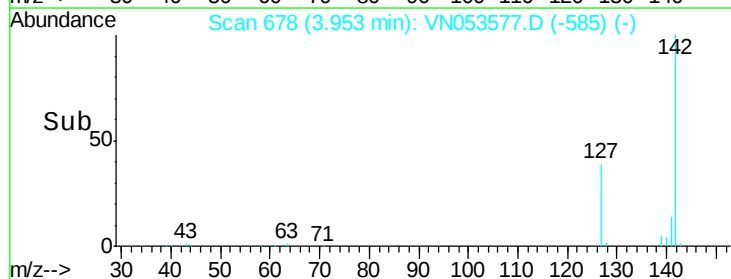
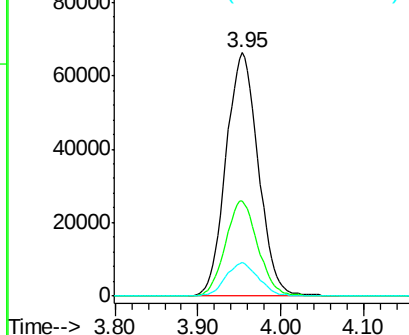
Lab File: VN053577.D

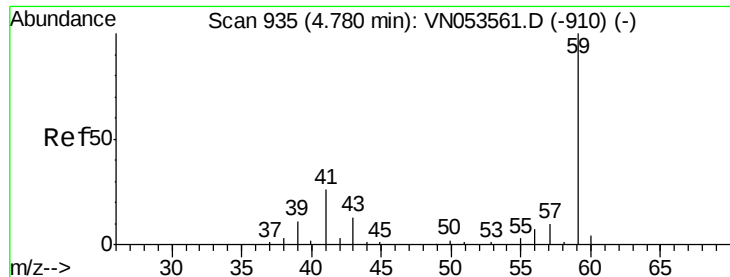
Acq: 1 Feb 2019 15:35

Tgt Ion:	142	Resp:	179628
Ion Ratio	Lower	Upper	
142	100		
127	39.3	31.0	46.4
141	13.9	11.1	16.7



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





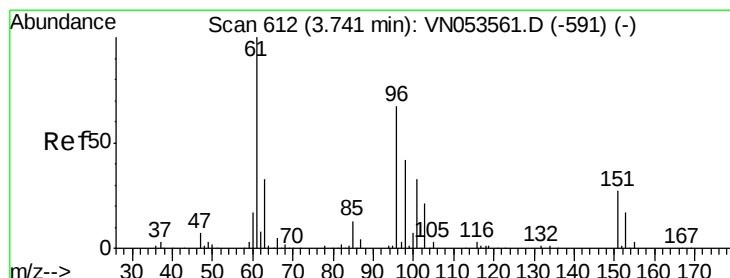
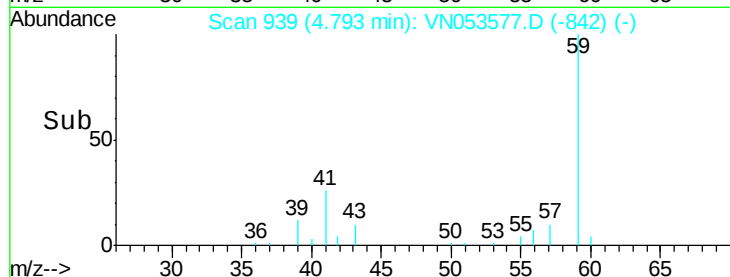
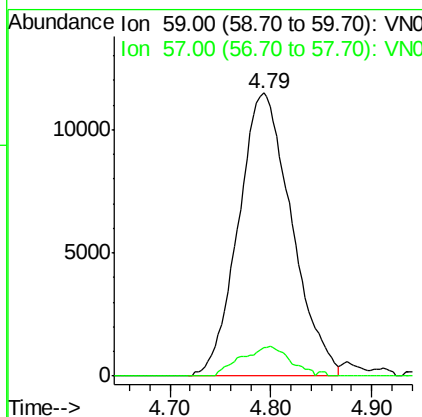
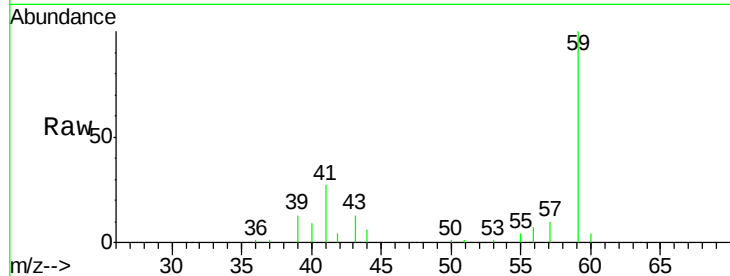
#11
Tert butyl alcohol
Concen: 110.650 ug/l
RT: 4.79 min Scan# 939
Delta R.T. 0.01 min
Lab File: VN053577.D
Acq: 1 Feb 2019 15:35

Instrument :
MSVOA_N
ClientSampleId :
VN0201WBS01

Tgt Ion	Ratio	Resp Lower	Upper
59	100		
57	9.6	8.2	12.4

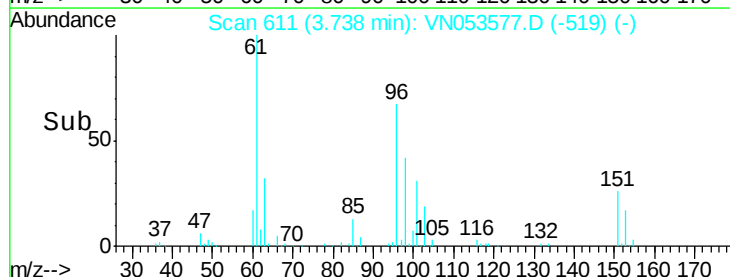
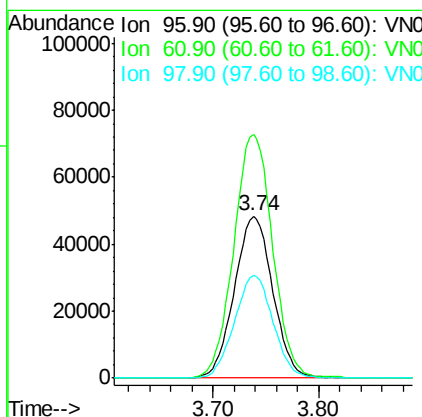
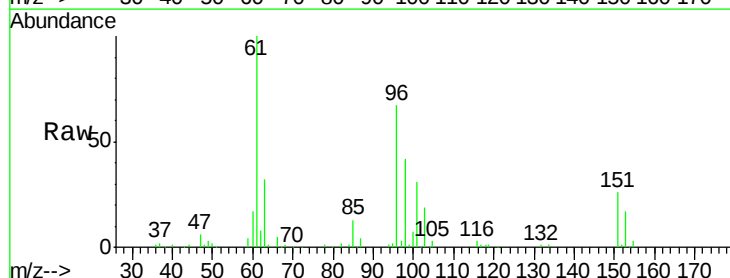
Manual Integrations
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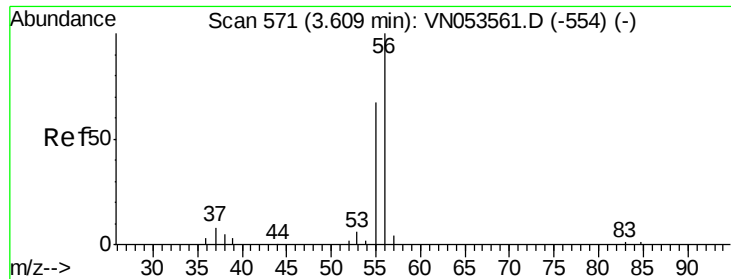
MMDadoda
2/4/2019 9:49:23 AM



#12
1,1-Dichloroethene
Concen: 20.664 ug/l
RT: 3.74 min Scan# 611
Delta R.T. -0.00 min
Lab File: VN053577.D
Acq: 1 Feb 2019 15:35

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	150.2	122.9	184.3
98	63.3	49.4	74.0





#13

Acrolein

Concen: 61.917 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN053577.D

Acq: 1 Feb 2019 15:35

Instrument :

MSVOA_N

ClientSampleId :

VN0201WBS01

Tgt Ion: 56 Resp: 12802

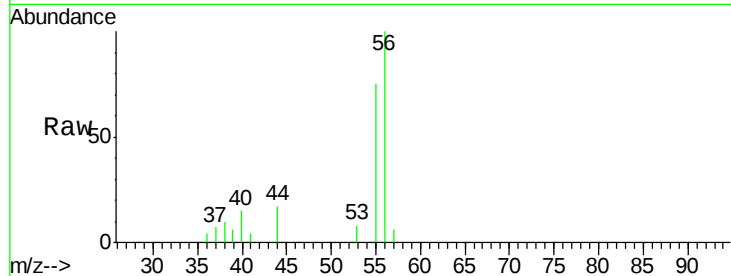
Ion Ratio Lower Upper

56 100

55 73.2 57.4 86.0

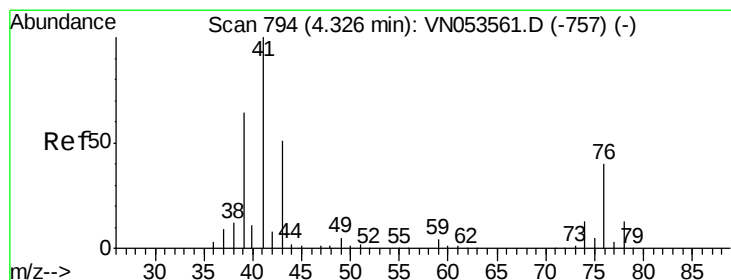
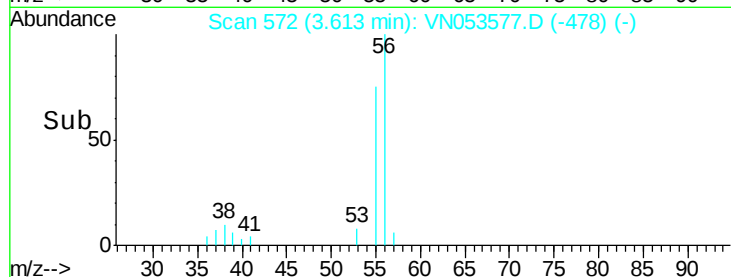
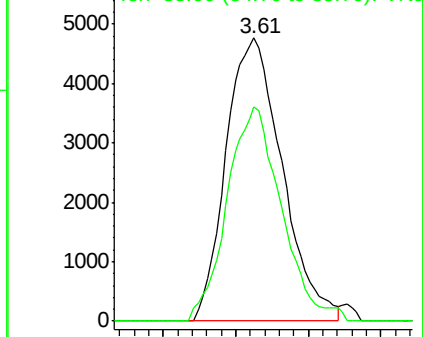
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Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 20.086 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN053577.D

Acq: 1 Feb 2019 15:35

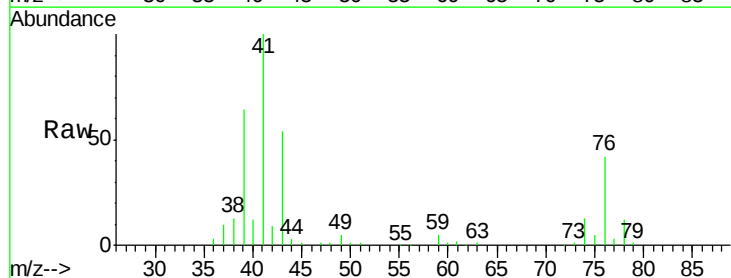
Tgt Ion: 41 Resp: 189431

Ion Ratio Lower Upper

41 100

39 61.7 48.9 73.3

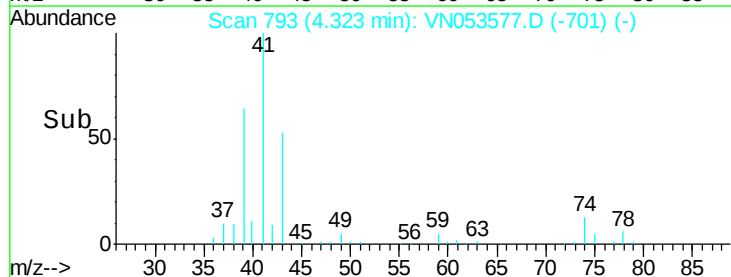
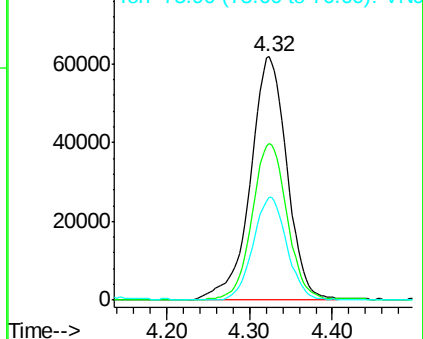
76 39.0 29.4 44.2



Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 111.062 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VN053577.D

Acq: 1 Feb 2019 15:35

Instrument :

MSVOA_N

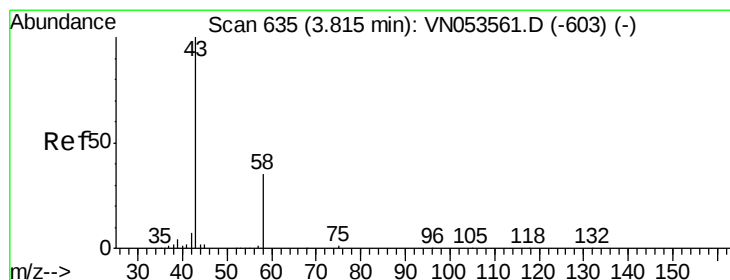
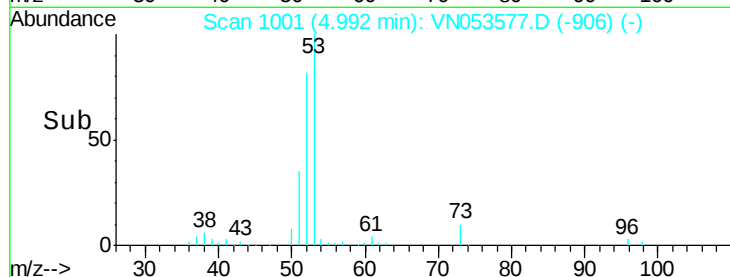
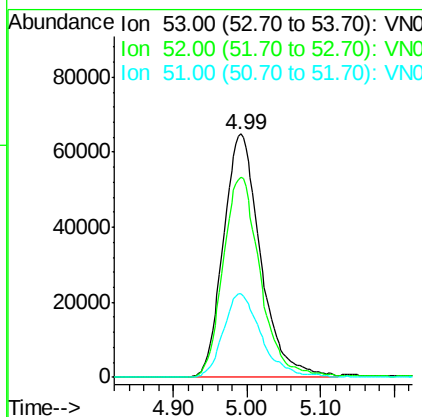
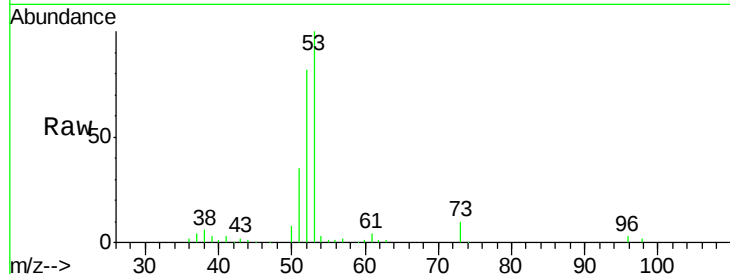
ClientSampleId :

VN0201WBS01

Tgt Ion:	53	Resp:	227690
Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.0	99.0
51	35.2	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 112.166 ug/l

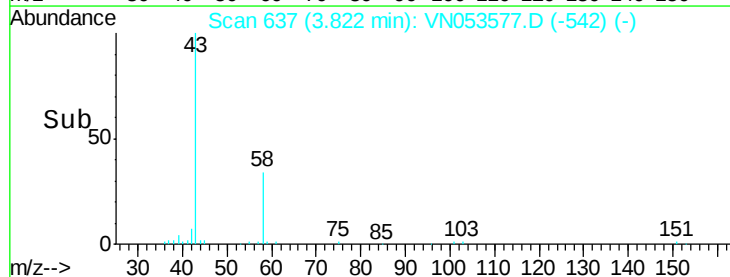
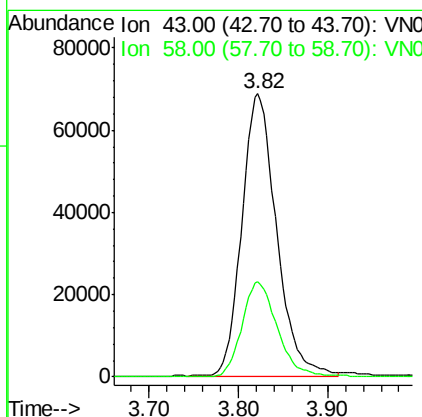
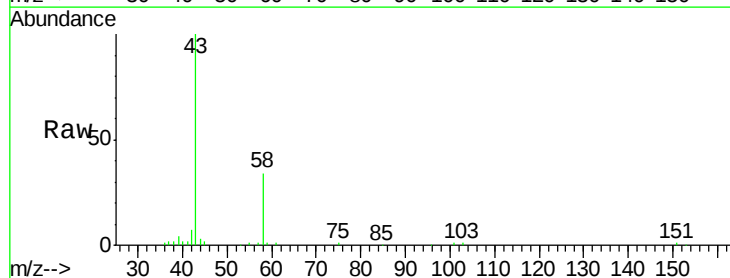
RT: 3.82 min Scan# 637

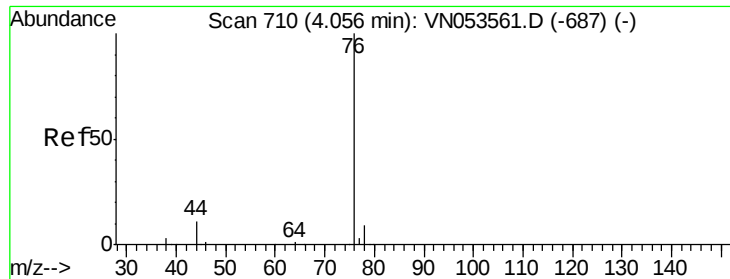
Delta R.T. 0.01 min

Lab File: VN053577.D

Acq: 1 Feb 2019 15:35

Tgt Ion:	43	Resp:	184614
Ion	Ratio	Lower	Upper
43	100		
58	33.6	27.1	40.7





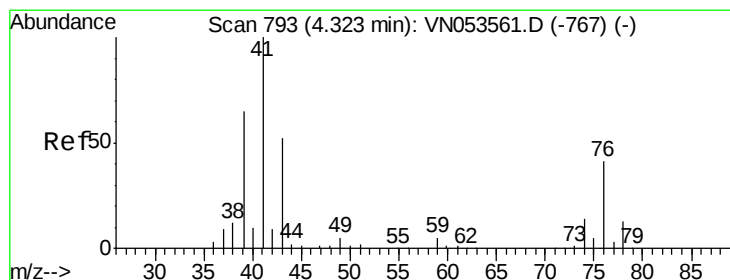
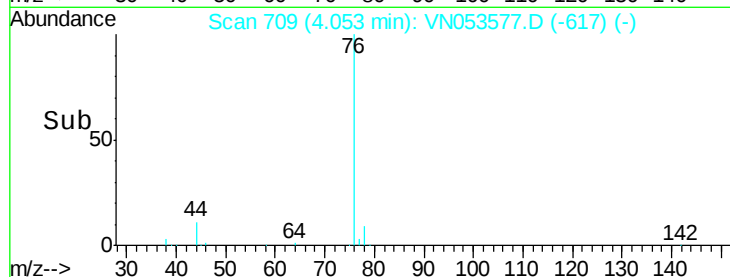
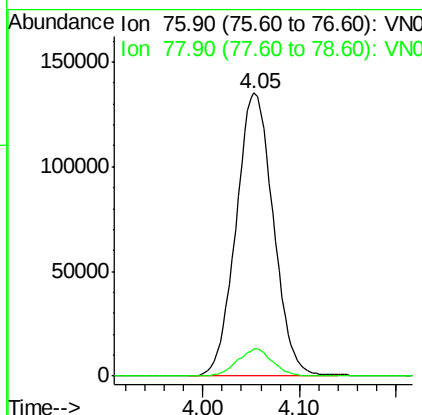
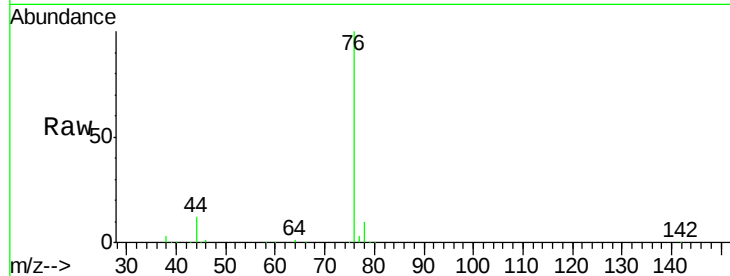
#17
Carbon Disulfide
Concen: 19.655 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.00 min
Lab File: VN053577.D
Acq: 1 Feb 2019 15:35

Instrument :
MSVOA_N
ClientSampleId :
VN0201WBS01

Tgt Ion: 76 Resp: 362506
Ion Ratio Lower Upper
76 100
78 9.5 7.3 10.9

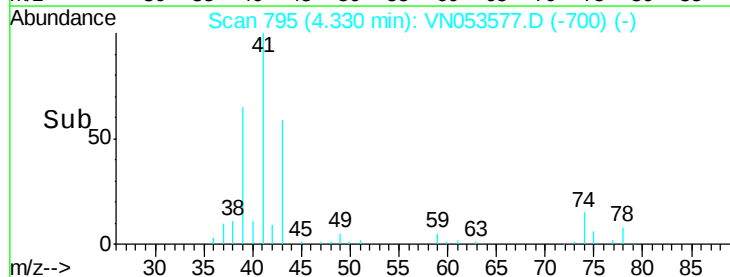
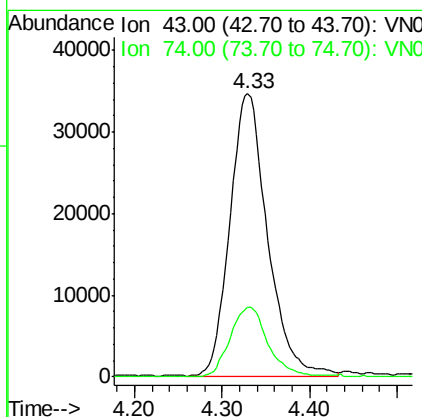
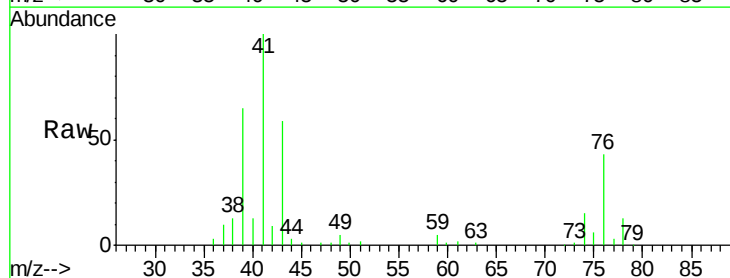
Manual Integrations
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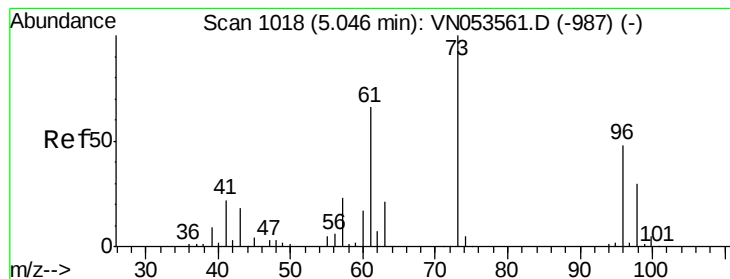
MMDadoda
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#18
Methyl Acetate
Concen: 21.416 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.01 min
Lab File: VN053577.D
Acq: 1 Feb 2019 15:35

Tgt Ion: 43 Resp: 104389
Ion Ratio Lower Upper
43 100
74 24.8 19.4 29.2





#19

Methyl tert-butyl Ether

Concen: 21.409 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053577.D

Acq: 1 Feb 2019 15:35

Instrument :

MSVOA_N

ClientSampleId :

VN0201WBS01

Tgt Ion: 73 Resp: 321463

Ion Ratio Lower Upper

73 100

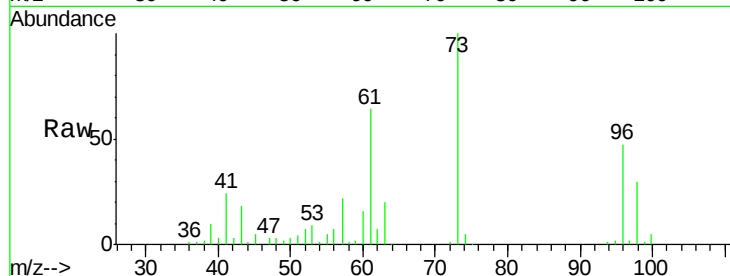
57 22.2 18.3 27.5

Manual Integrations

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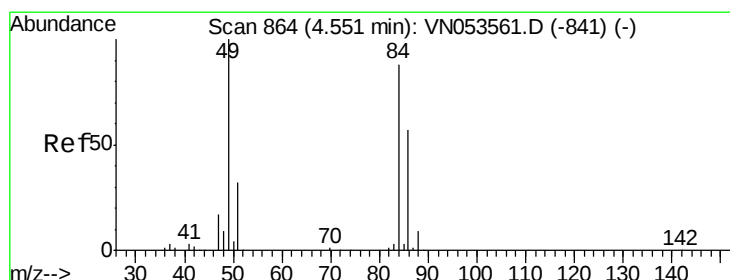
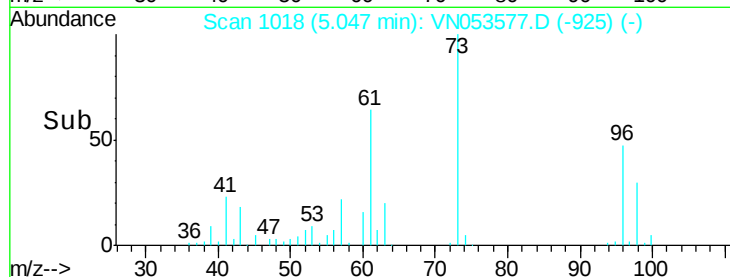
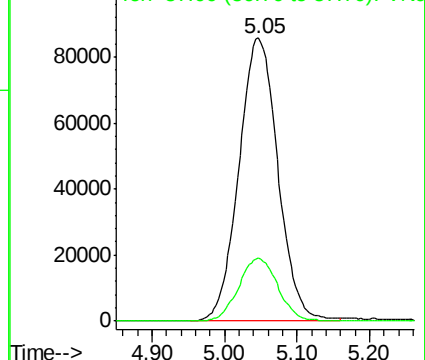
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Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#20

Methylene Chloride

Concen: 20.786 ug/l

RT: 4.55 min Scan# 864

Delta R.T. 0.00 min

Lab File: VN053577.D

Acq: 1 Feb 2019 15:35

Tgt Ion: 84 Resp: 143534

Ion Ratio Lower Upper

84 100

49 112.8 94.3 141.5

51 37.2 29.4 44.2

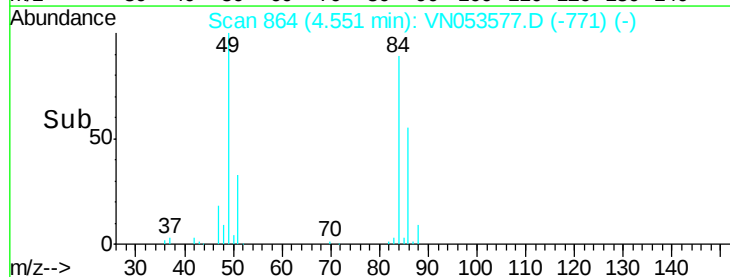
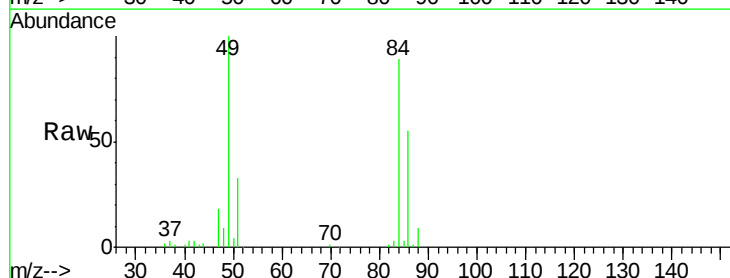
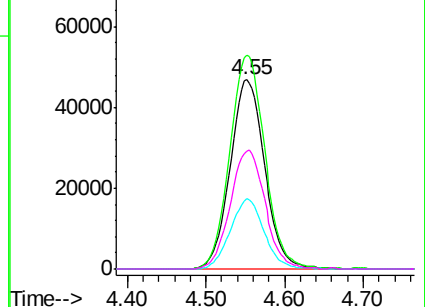
86 62.4 51.4 77.0

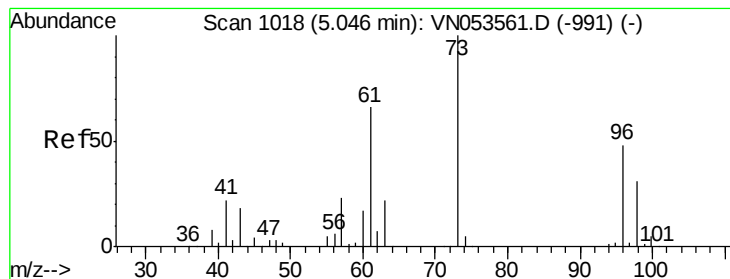
Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0





#21

trans-1,2-Dichloroethene

Concen: 20.090 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN053577.D

Acq: 1 Feb 2019 15:35

Instrument :

MSVOA_N

ClientSampleId :

VN0201WBS01

Tgt Ion: 96 Resp: 128377

Ion Ratio Lower Upper

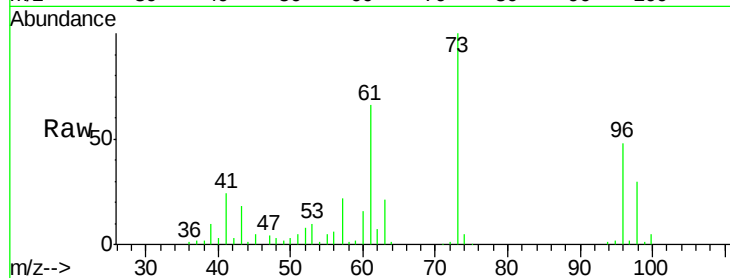
96 100

61 138.7 110.1 165.1

98 62.8 50.0 75.0

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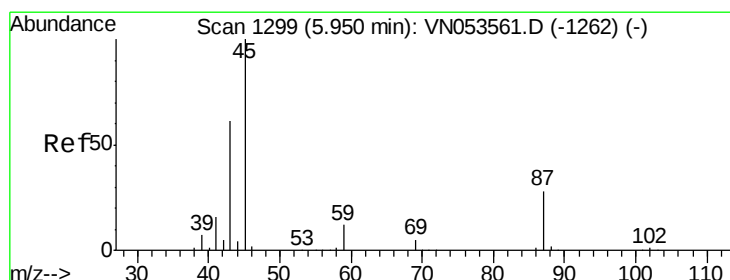
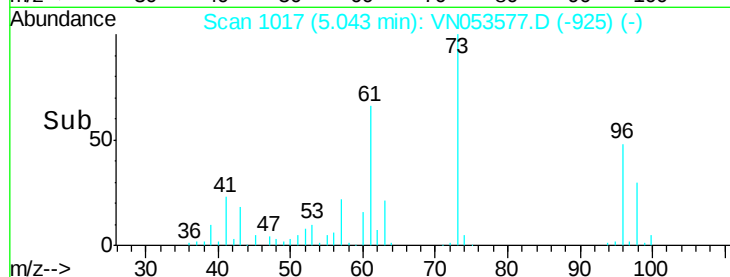
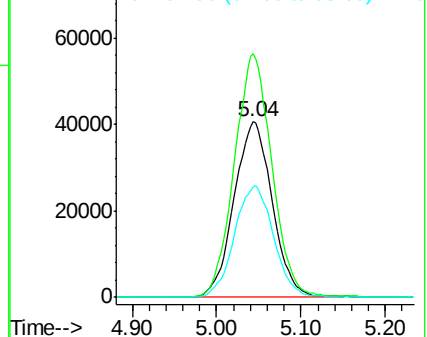
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Abundance Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 20.730 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053577.D

Acq: 1 Feb 2019 15:35

Tgt Ion: 45 Resp: 362254

Ion Ratio Lower Upper

45 100

43 61.4 44.2 66.4

87 28.9 22.7 34.1

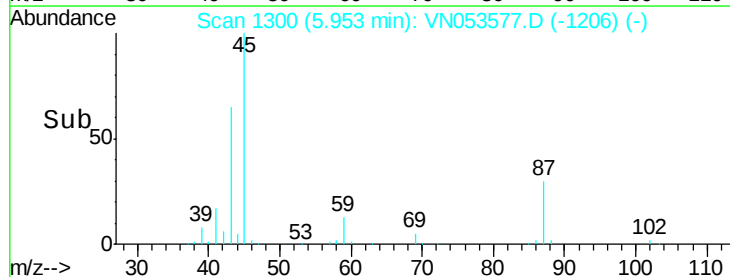
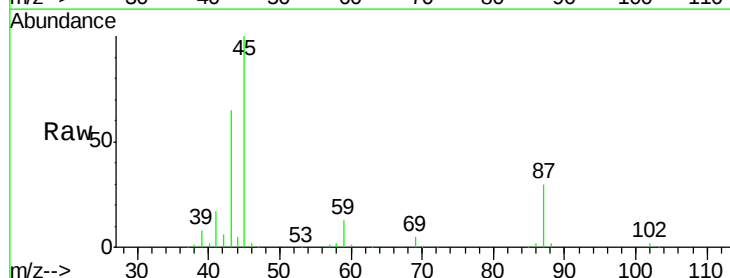
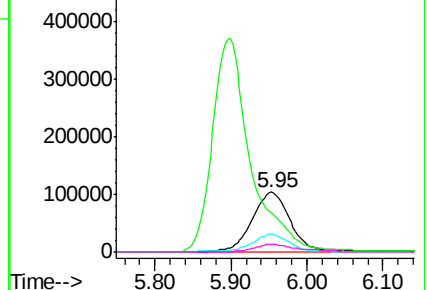
59 12.4 9.4 14.2

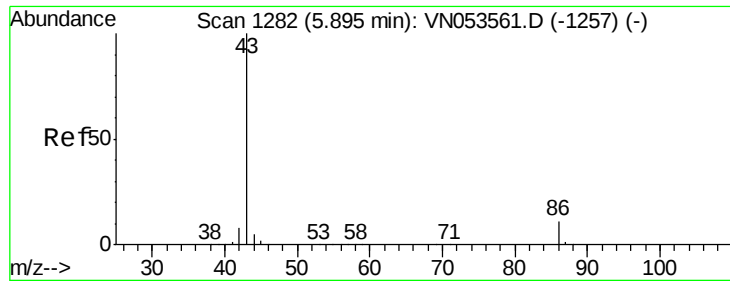
Abundance Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





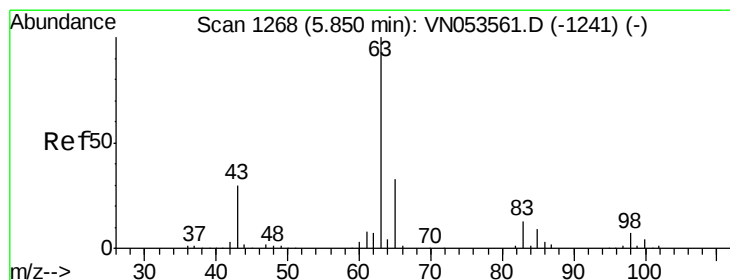
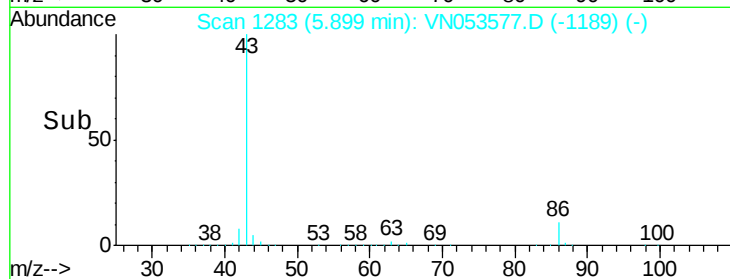
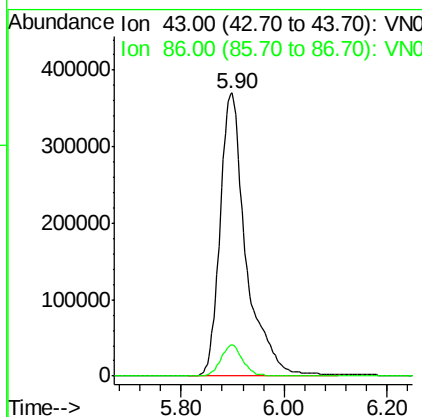
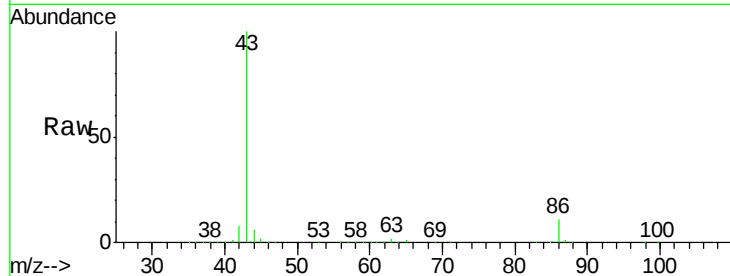
#23
 Vinyl Acetate
 Concen: 107.515 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN053577.D
 Acq: 1 Feb 2019 15:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0201WBS01

Tgt Ion: 43 Resp: 1299712
 Ion Ratio Lower Upper
 43 100
 86 11.1 8.4 12.6

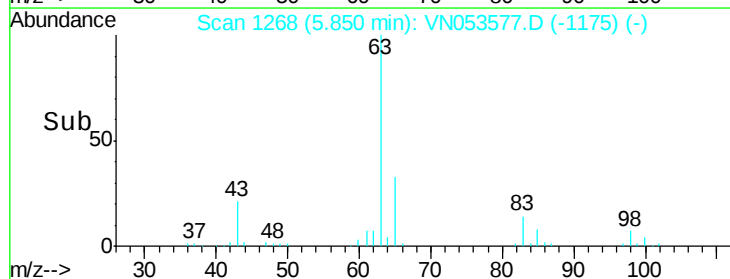
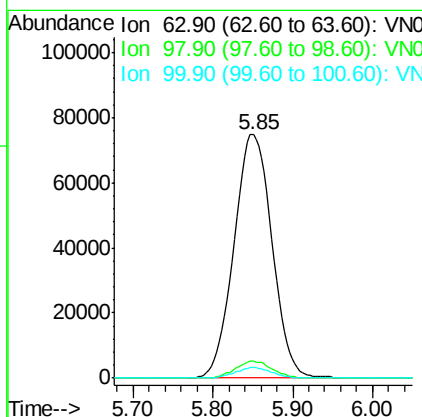
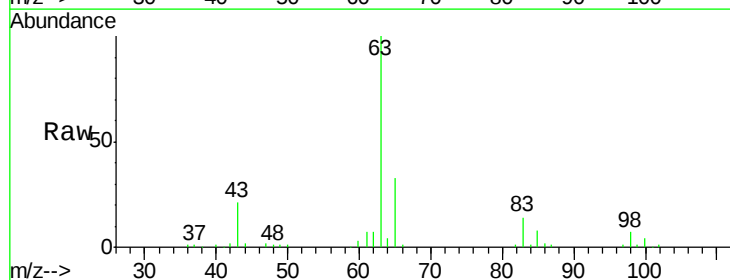
Manual Integrations
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 2/4/2019 9:49:23 AM



#24
 1,1-Dichloroethane
 Concen: 20.712 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN053577.D
 Acq: 1 Feb 2019 15:35

Tgt Ion: 63 Resp: 241402
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.3 9.9
 100 4.4 2.1 6.5





#25

2-Butanone

Concen: 108.885 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN053577.D

Acq: 1 Feb 2019 15:35

Instrument :

MSVOA_N

ClientSampleId :

VN0201WBS01

Tgt Ion: 43 Resp: 255599

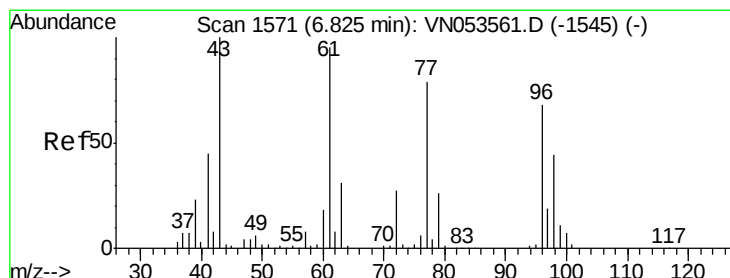
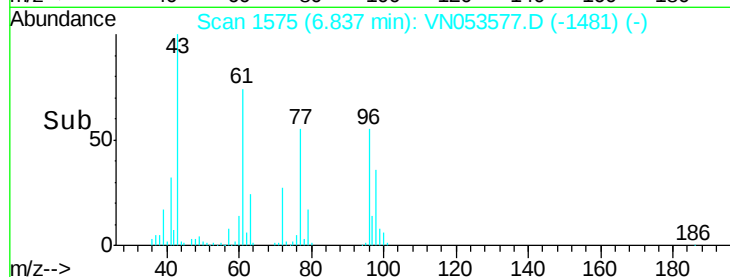
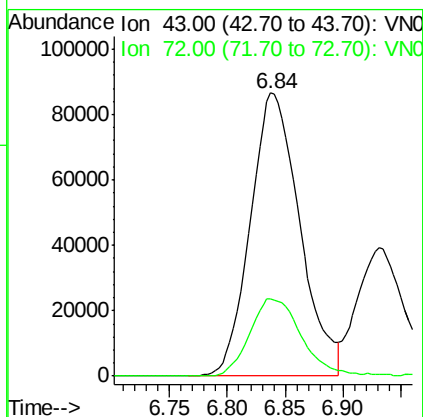
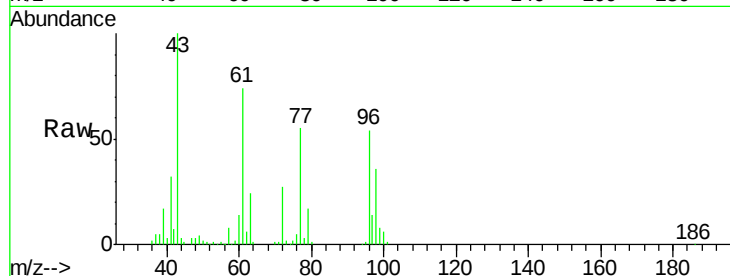
Ion Ratio Lower Upper

43 100

72 27.3 22.0 33.0

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#26

2,2-Dichloropropane

Concen: 19.847 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN053577.D

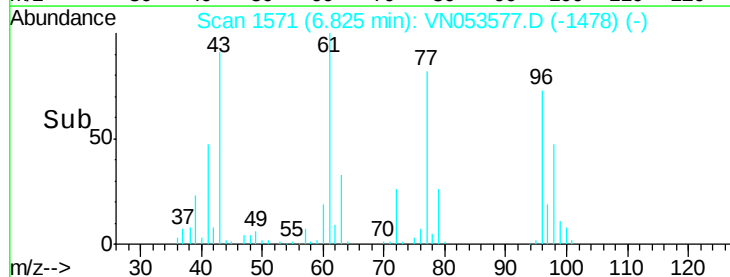
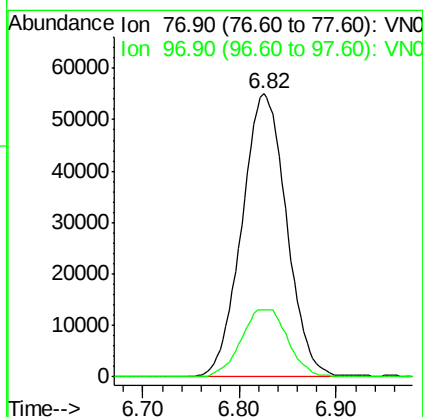
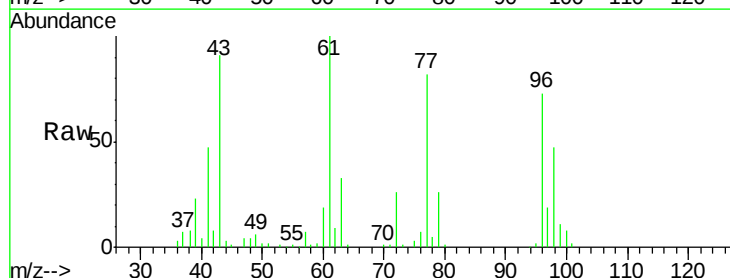
Acq: 1 Feb 2019 15:35

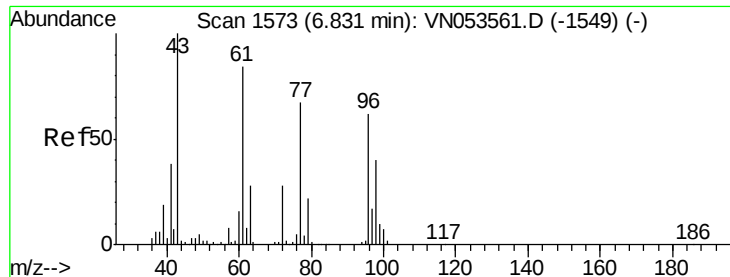
Tgt Ion: 77 Resp: 176581

Ion Ratio Lower Upper

77 100

97 24.8 12.2 36.6





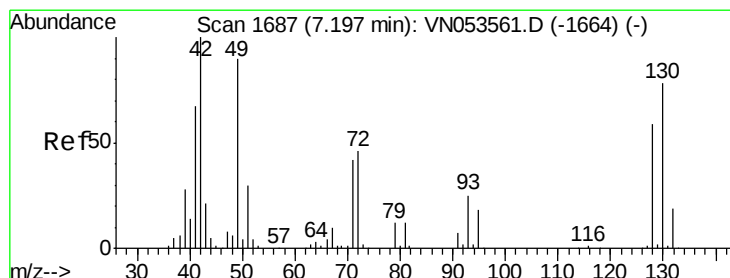
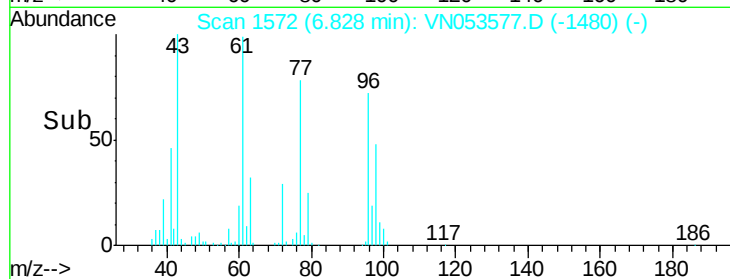
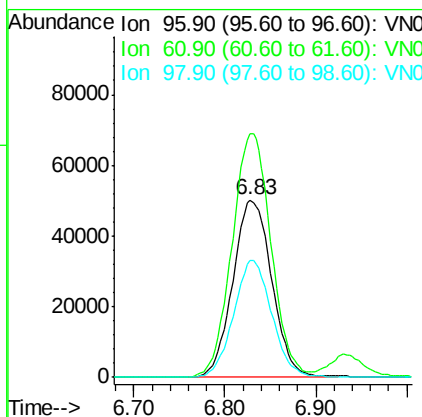
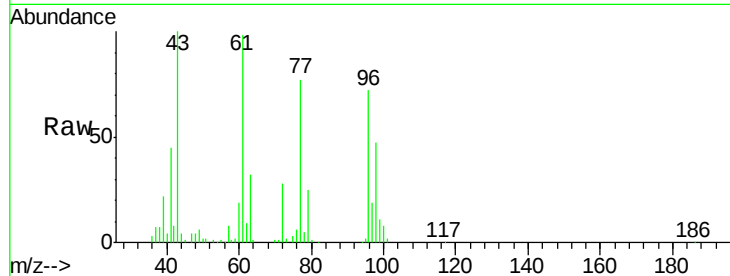
#27
 cis-1,2-Dichloroethene
 Concen: 21.021 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN053577.D
 Acq: 1 Feb 2019 15:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0201WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	149370		
61	137.1	0.0	283.8	
98	64.3	0.0	129.2	

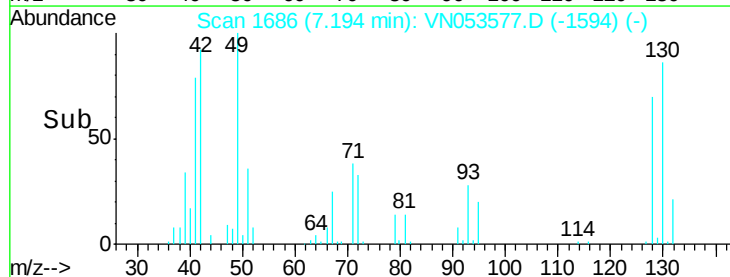
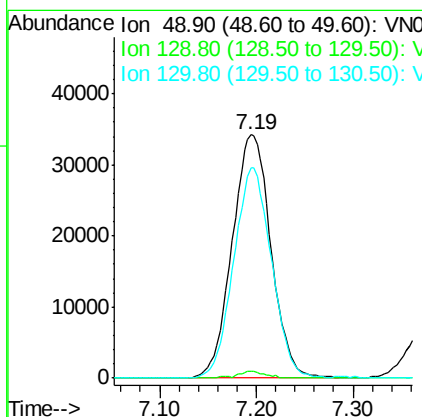
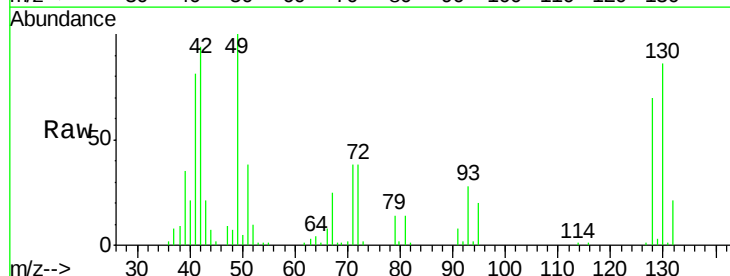
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#28
 Bromochloromethane
 Concen: 18.806 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VN053577.D
 Acq: 1 Feb 2019 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	95121		
129	1.8	0.0	4.0	
130	84.5	66.3	99.5	





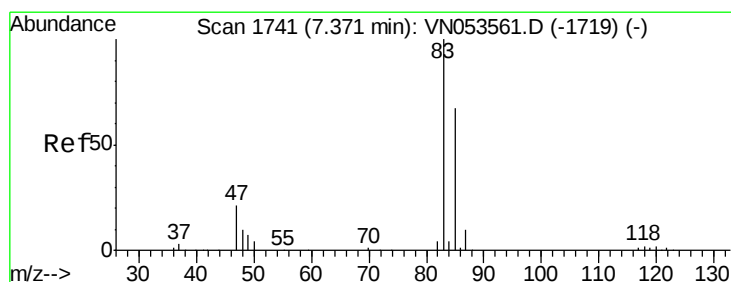
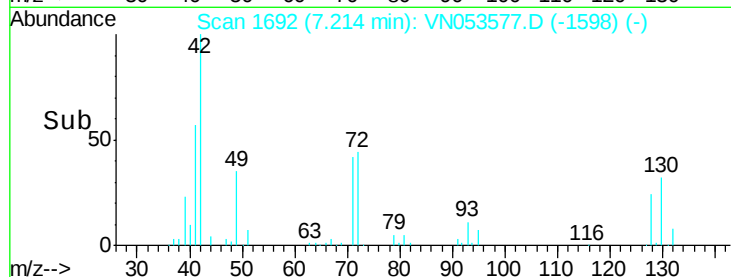
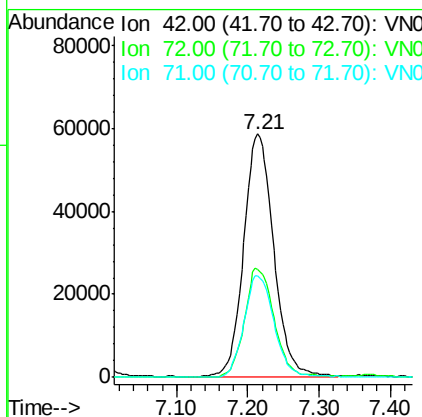
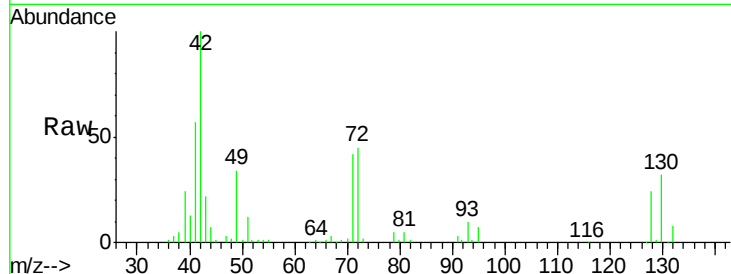
#29
Tetrahydrofuran
Concen: 114.770 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN053577.D
Acq: 1 Feb 2019 15:35

Instrument :
MSVOA_N
ClientSampleId :
VN0201WBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	43.8	35.2	52.8
71	41.3	33.0	49.4

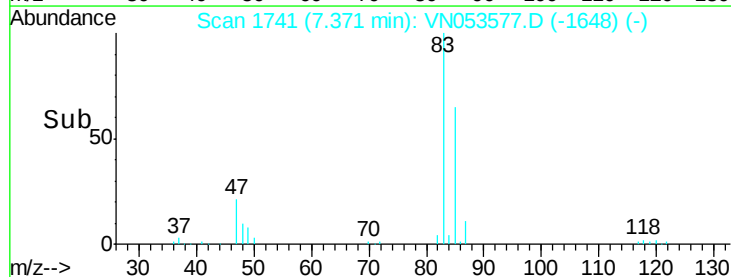
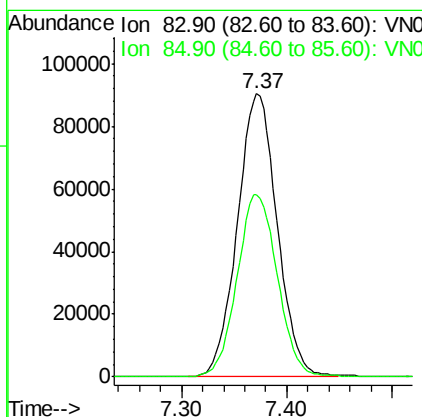
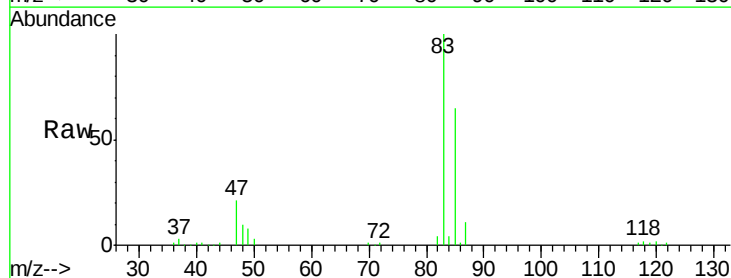
Manual Integrations
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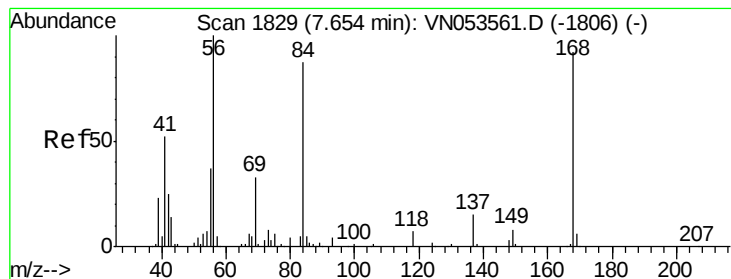
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#30
Chloroform
Concen: 20.513 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053577.D
Acq: 1 Feb 2019 15:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.2	78.2





#31

Cyclohexane

Concen: 19.866 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053577.D

Acq: 1 Feb 2019 15:35

Instrument :

MSVOA_N

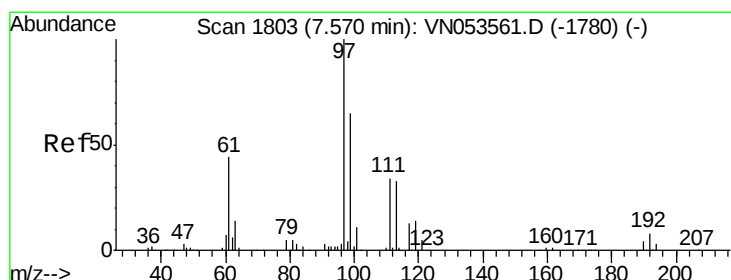
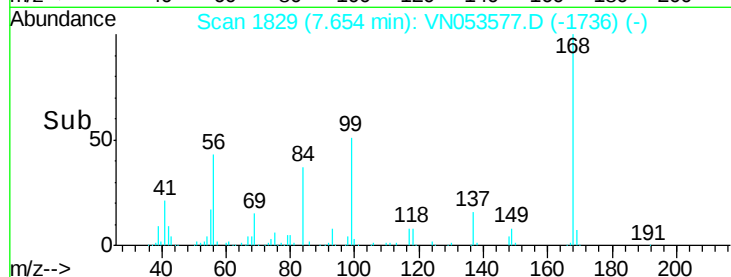
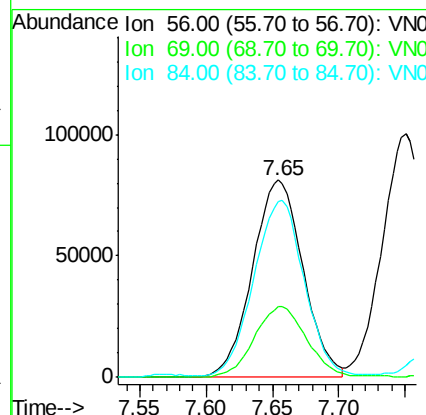
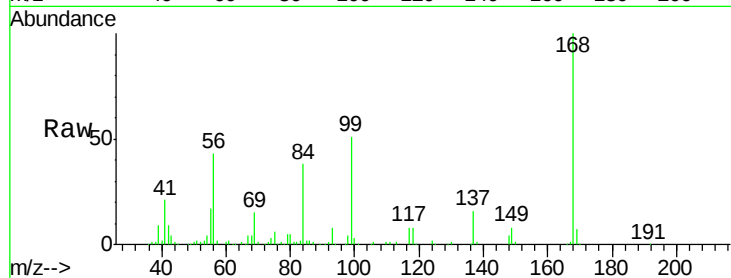
ClientSampled :

VN0201WBS01

Tgt Ion:	56	Resp:	21685
Ion Ratio	Lower	Upper	
56	100		
69	35.8	26.4	39.6
84	88.2	67.9	101.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.701 ug/l

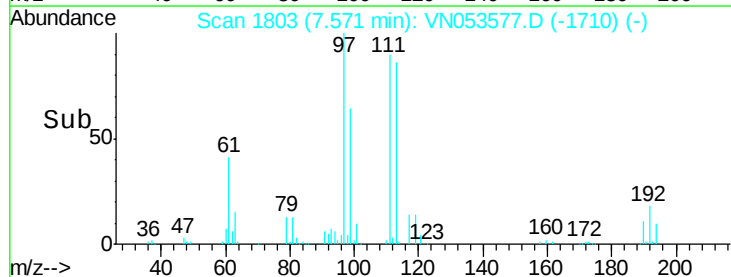
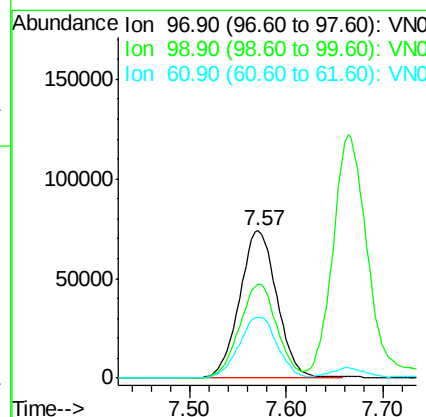
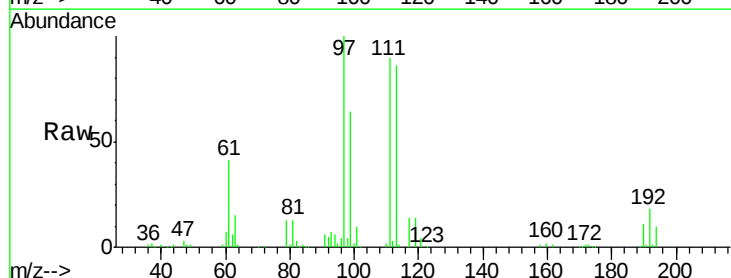
RT: 7.57 min Scan# 1803

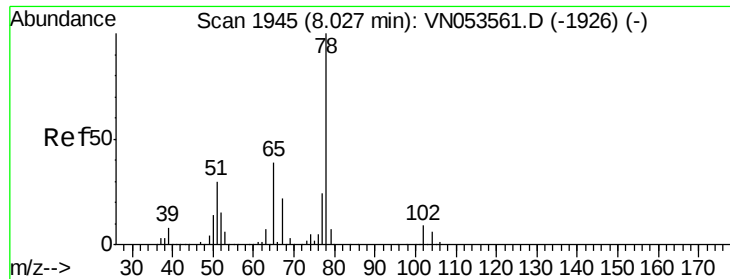
Delta R.T. 0.00 min

Lab File: VN053577.D

Acq: 1 Feb 2019 15:35

Tgt Ion:	97	Resp:	199048
Ion Ratio	Lower	Upper	
97	100		
99	63.6	52.0	78.0
61	42.4	34.4	51.6





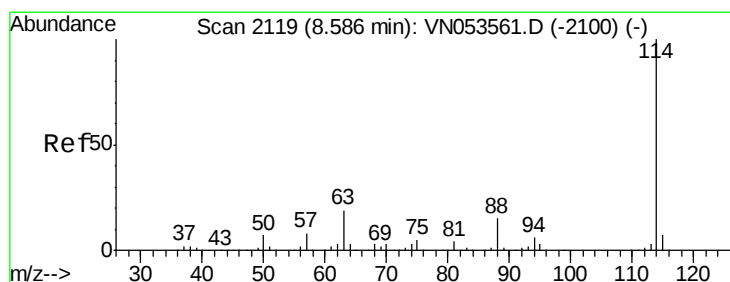
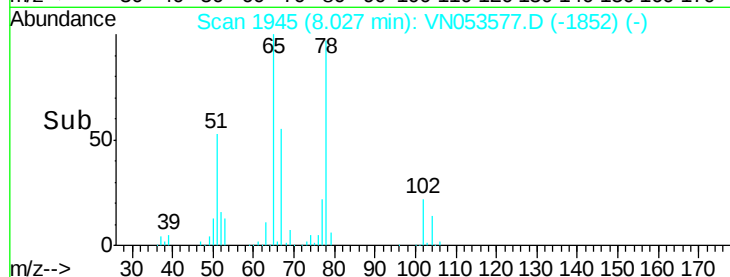
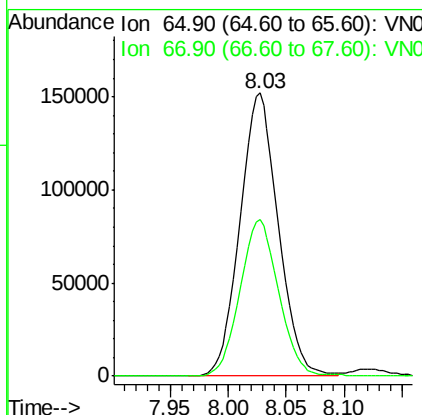
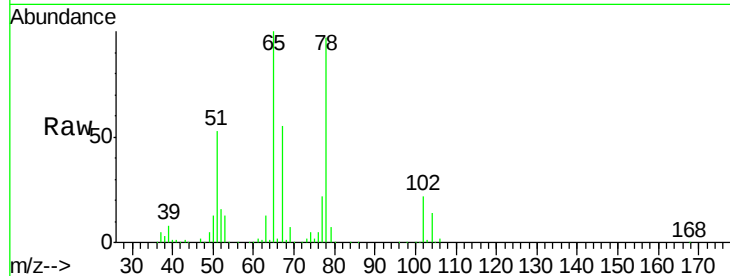
#33
 1,2-Dichloroethane-d4
 Concen: 54.464 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053577.D
 Acq: 1 Feb 2019 15:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0201WBS01

Tgt Ion: 65 Resp: 349478
 Ion Ratio Lower Upper
 65 100
 67 55.9 0.0 111.2

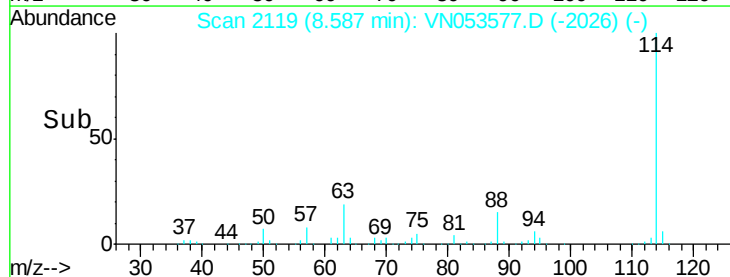
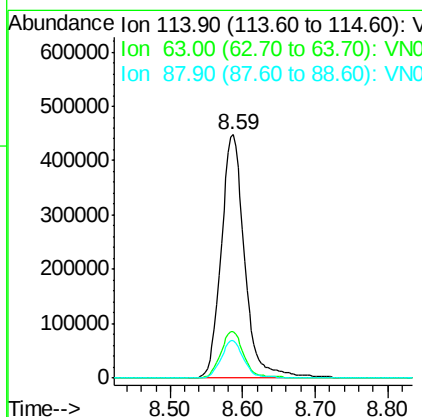
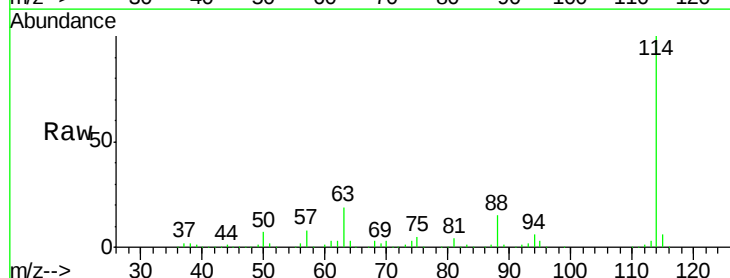
Manual Integrations
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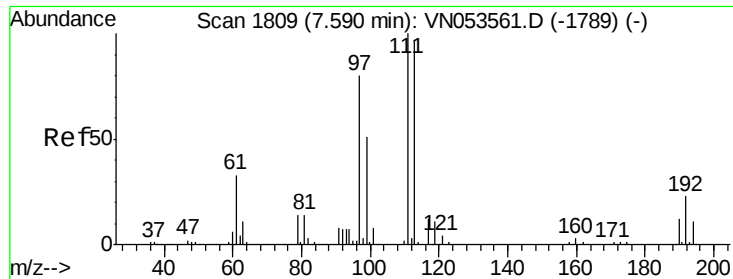
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053577.D
 Acq: 1 Feb 2019 15:35

Tgt Ion: 114 Resp: 1006110
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 38.6
 88 15.3 0.0 30.4





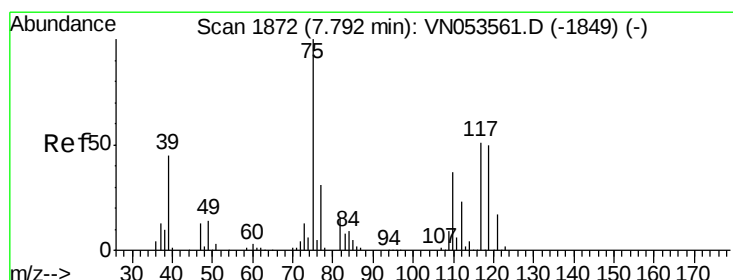
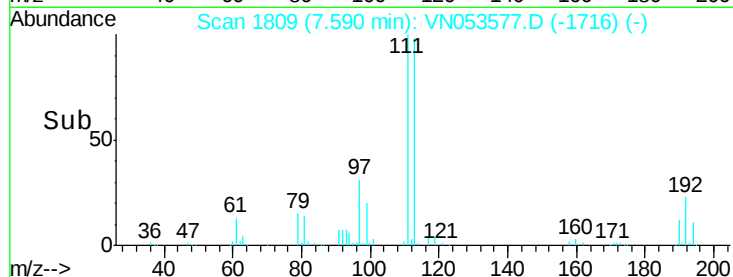
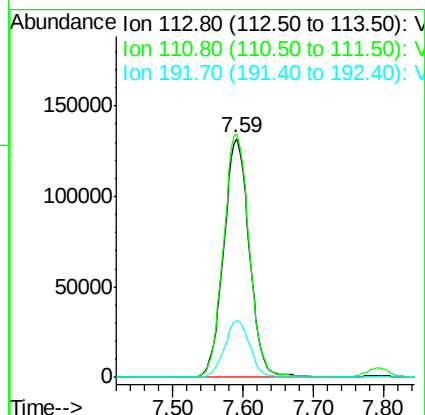
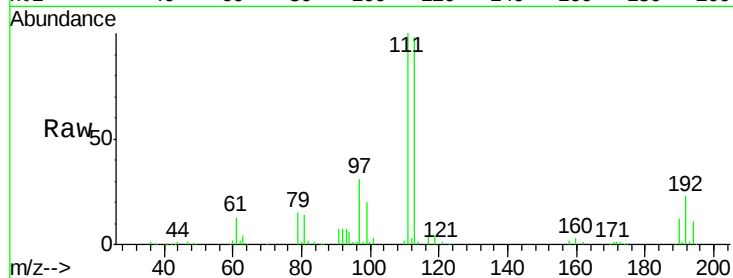
#35
Dibromofluoromethane
Concen: 52.856 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN053577.D
Acq: 1 Feb 2019 15:35

Instrument :
MSVOA_N
ClientSampleId :
VN0201WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	336024		
111	102.4	81.1	121.7	
192	23.4	18.2	27.2	

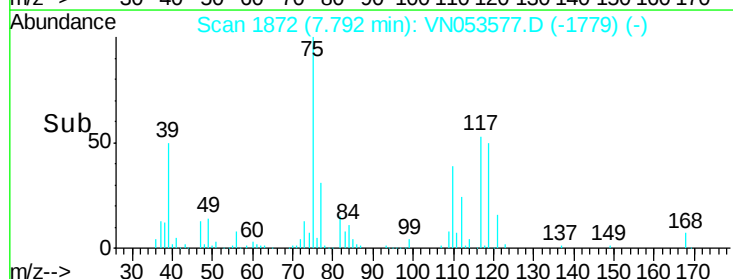
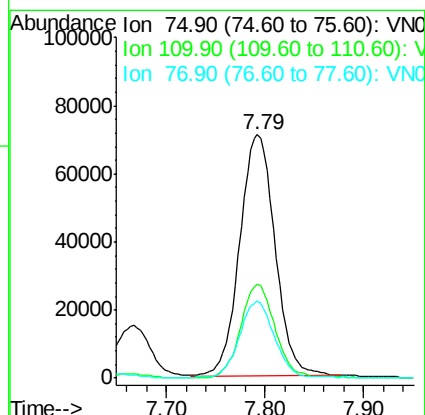
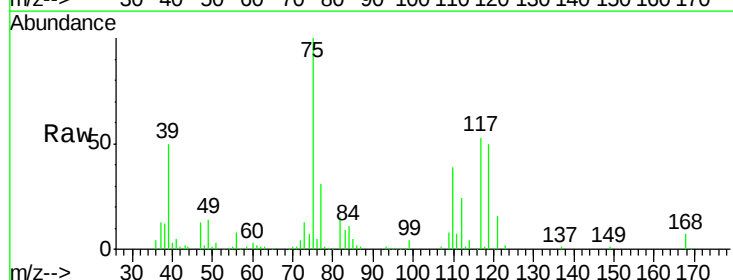
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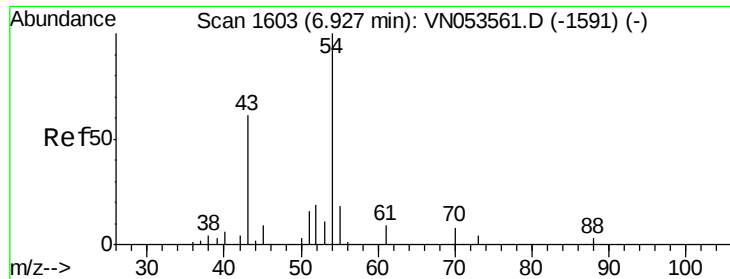
MMDadoda
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#36
1,1-Dichloropropene
Concen: 19.436 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN053577.D
Acq: 1 Feb 2019 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	176278		
110	37.7	18.1	54.3	
77	31.7	25.1	37.7	





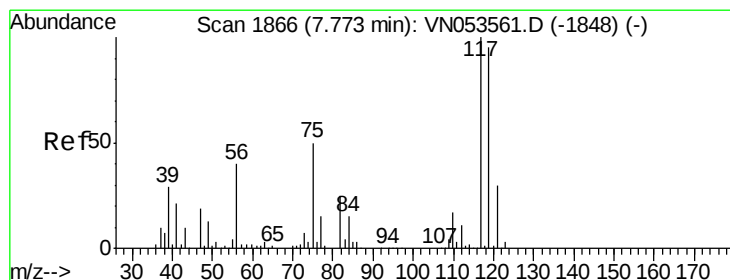
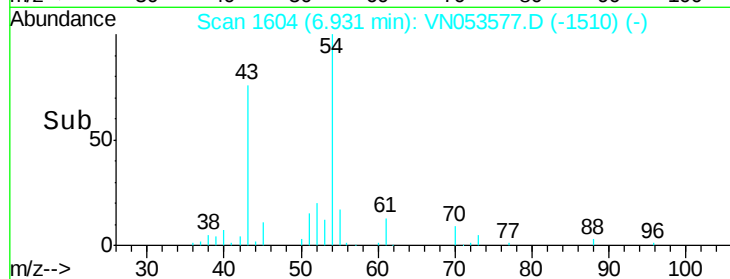
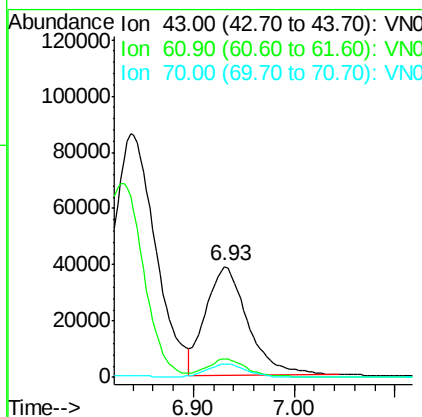
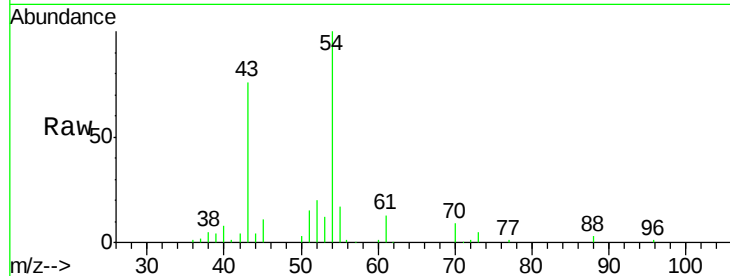
#37
Ethyl Acetate
Concen: 22.314 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053577.D
Acq: 1 Feb 2019 15:35

Instrument :
MSVOA_N
ClientSampled :
VN0201WBS01

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

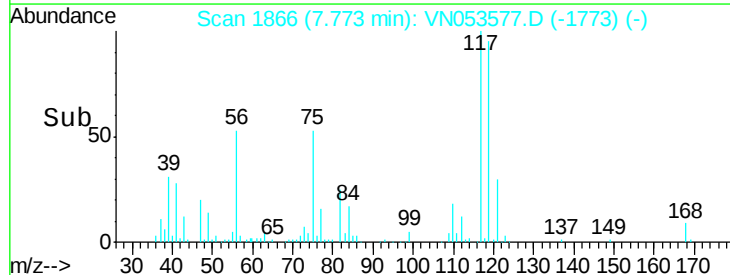
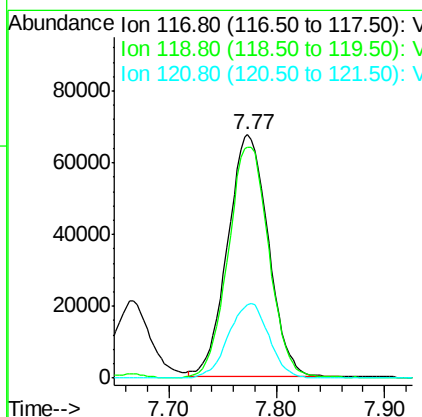
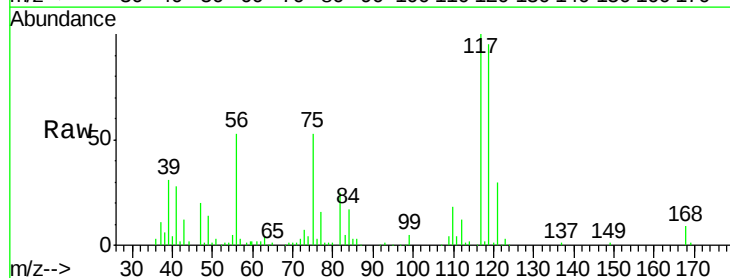
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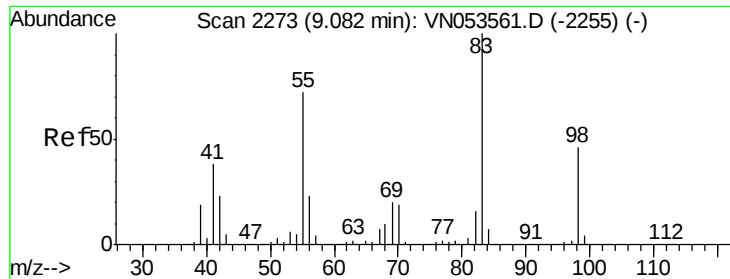
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#38
Carbon Tetrachloride
Concen: 19.369 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN053577.D
Acq: 1 Feb 2019 15:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	77.2	115.8
121	30.4	24.6	37.0





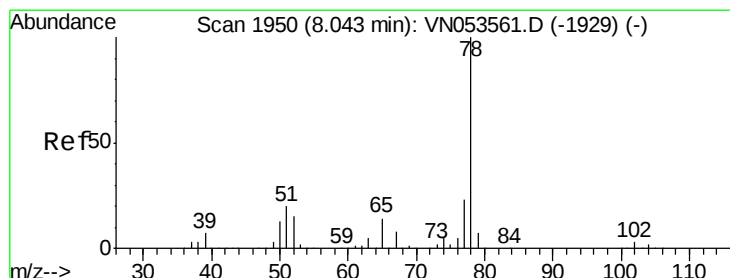
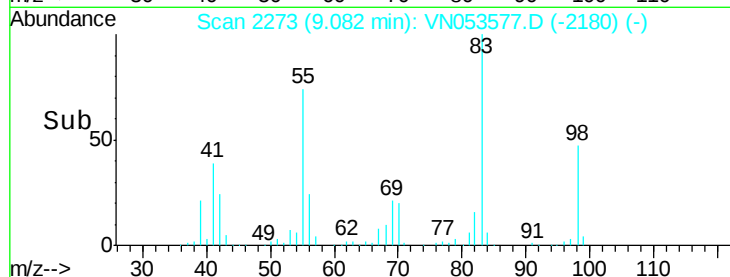
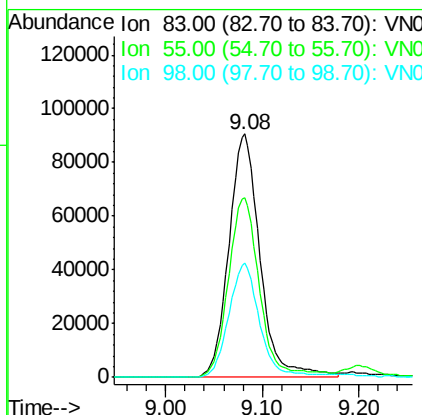
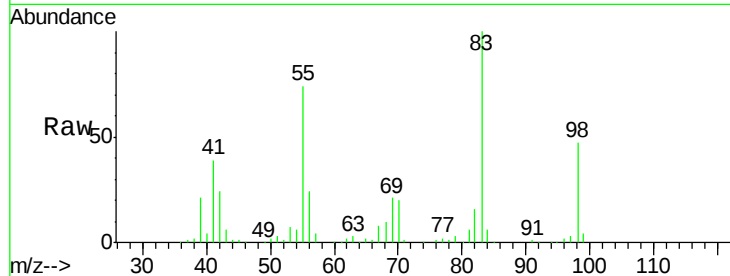
#39
Methylcyclohexane
Concen: 18.919 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053577.D
Acq: 1 Feb 2019 15:35

Instrument :
MSVOA_N
ClientSampleId :
VN0201WBS01

Tgt Ion	Ratio	Resp Lower	Resp Upper
83	100		
55	73.9	60.1	90.1
98	46.9	36.6	55.0

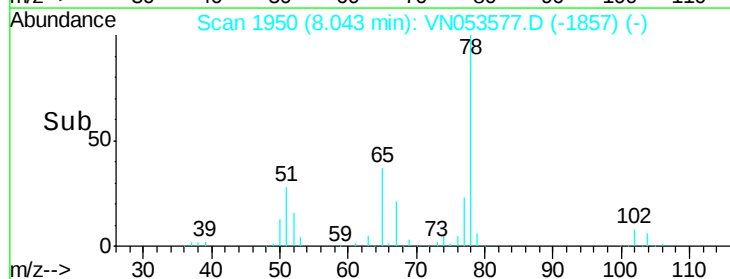
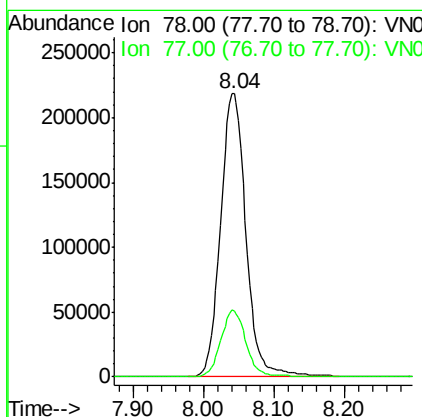
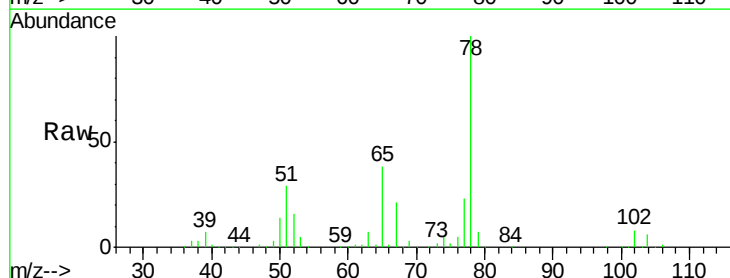
Manual Integrations
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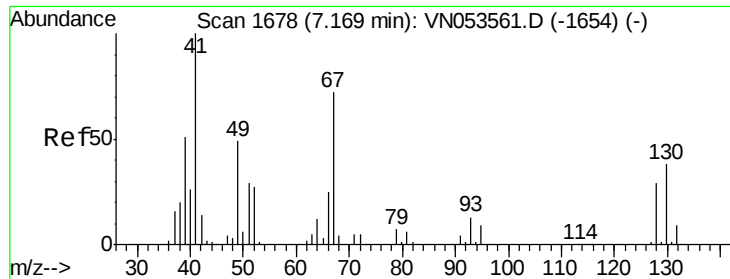
MMDadoda
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#40
Benzene
Concen: 19.677 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053577.D
Acq: 1 Feb 2019 15:35

Tgt Ion	Ratio	Resp Lower	Resp Upper
78	100		
77	23.2	18.8	28.2





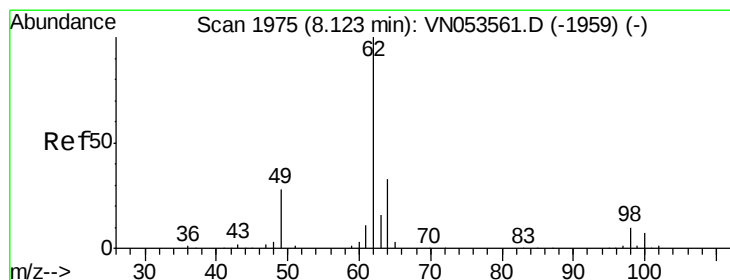
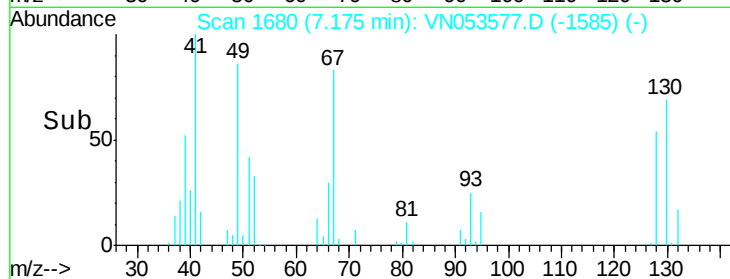
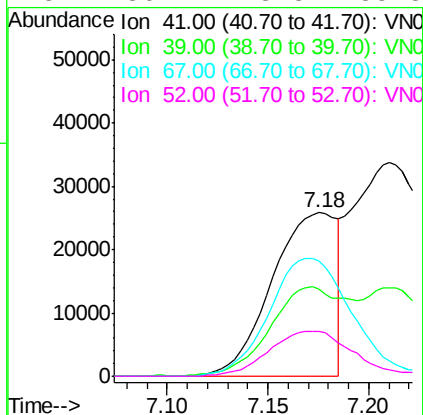
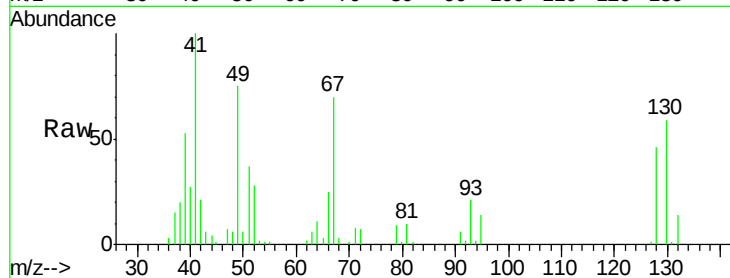
#41
Methacrylonitrile
Concen: 20.402 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN053577.D
Acq: 1 Feb 2019 15:35

Instrument :
MSVOA_N
ClientSampleId :
VN0201WBS01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	66.6	46.8	70.2
67	92.6	63.0	94.6
52	36.4	23.8	35.8#

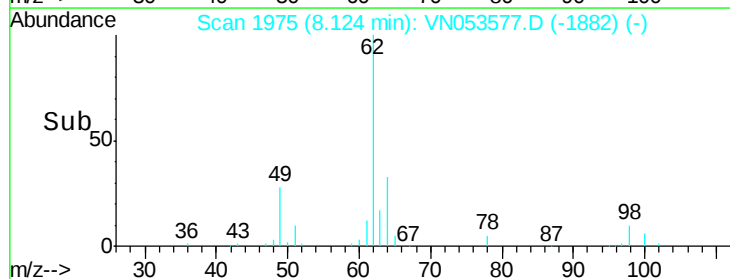
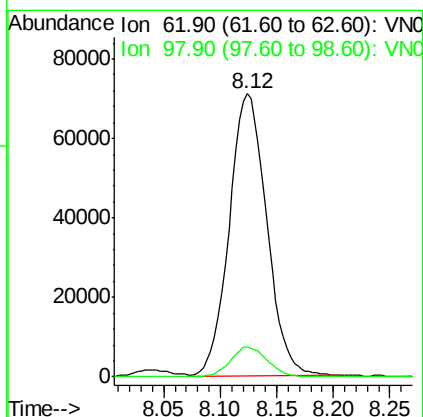
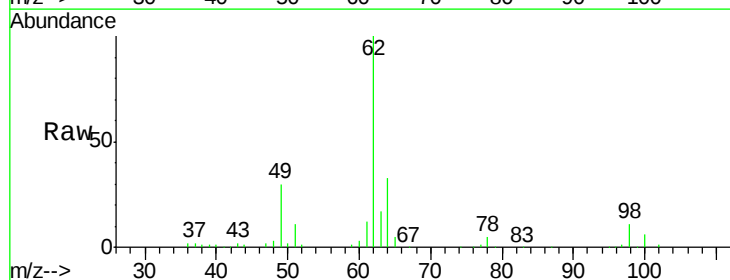
Manual Integrations
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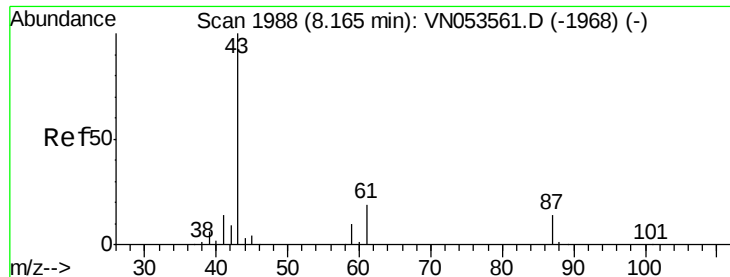
MMDadoda
2/4/2019 9:49:23 AM



#42
1,2-Dichloroethane
Concen: 19.687 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053577.D
Acq: 1 Feb 2019 15:35

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	19.6





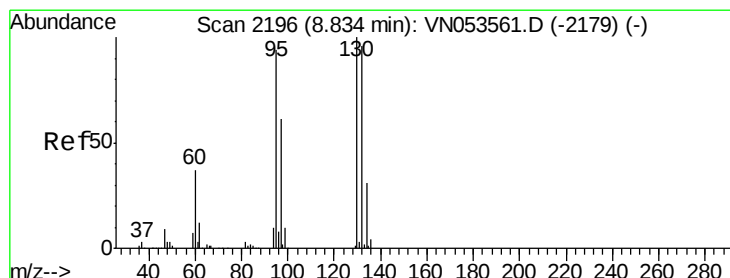
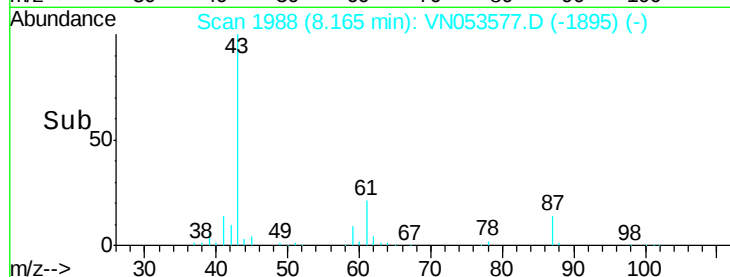
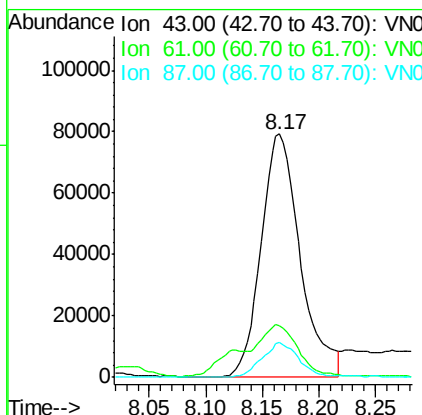
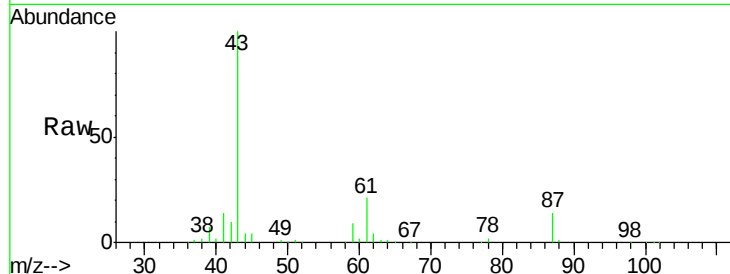
#43
Isopropyl Acetate
Concen: 19.358 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN053577.D
Acq: 1 Feb 2019 15:35

Instrument :
MSVOA_N
ClientSampleId :
VN0201WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	20.2	23.9	35.9#
87	13.7	11.0	16.6

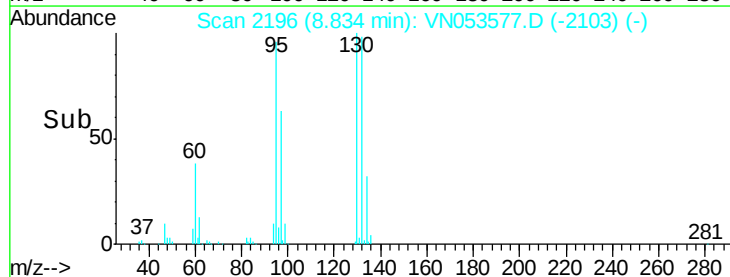
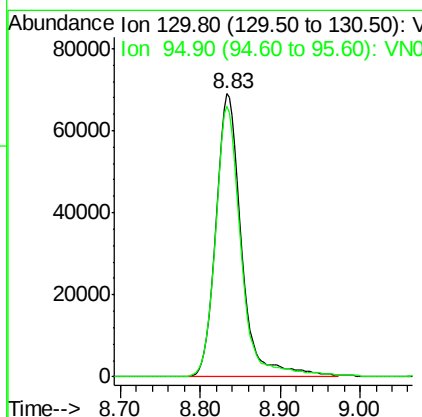
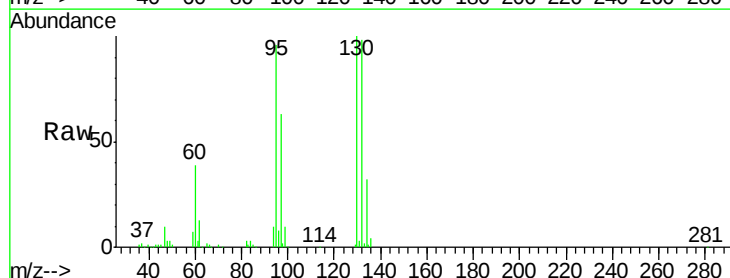
Manual Integrations
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2/4/2019 9:49:23 AM



#44
Trichloroethene
Concen: 19.240 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN053577.D
Acq: 1 Feb 2019 15:35

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.8	0.0	191.4





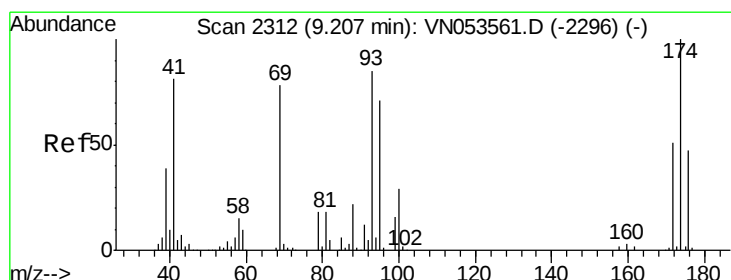
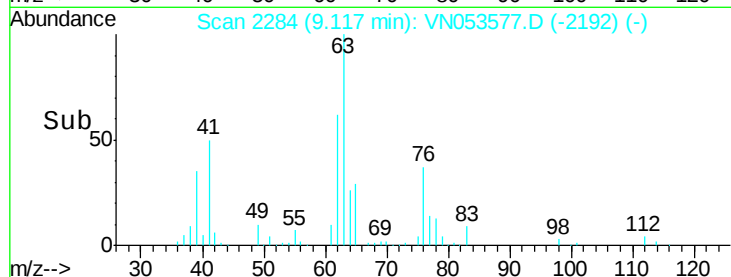
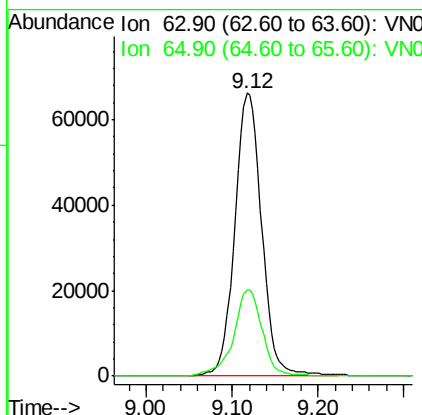
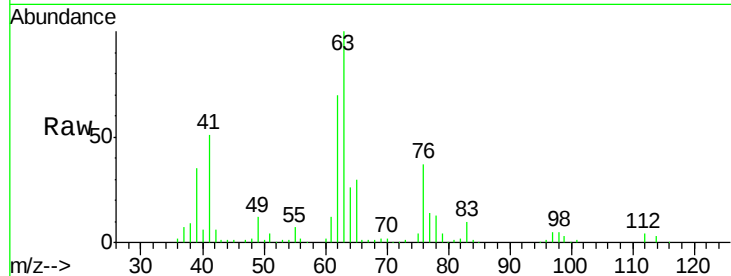
#45
 1,2-Dichloropropane
 Concen: 20.099 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN053577.D
 Acq: 1 Feb 2019 15:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0201WBS01

Tgt Ion: 63 Resp: 143774
 Ion Ratio Lower Upper
 63 100
 65 30.3 25.0 37.4

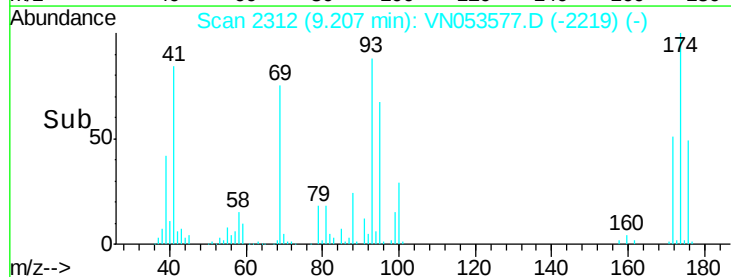
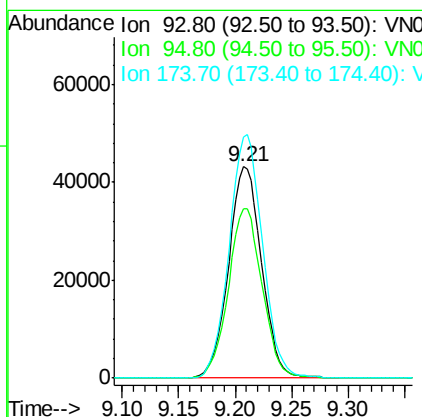
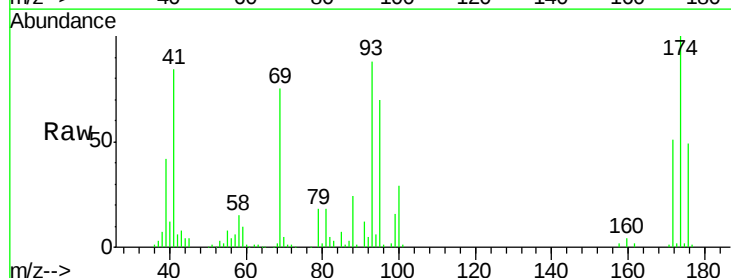
Manual Integrations
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 2/4/2019 9:49:23 AM



#46
 Dibromomethane
 Concen: 20.419 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN053577.D
 Acq: 1 Feb 2019 15:35

Tgt Ion: 93 Resp: 88052
 Ion Ratio Lower Upper
 93 100
 95 81.8 67.3 100.9
 174 116.3 91.0 136.4





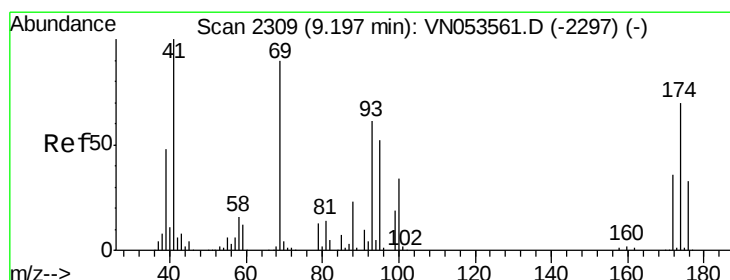
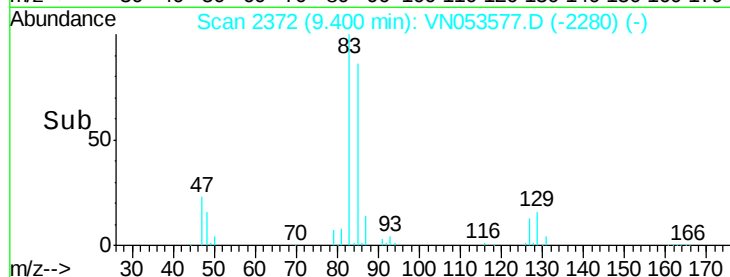
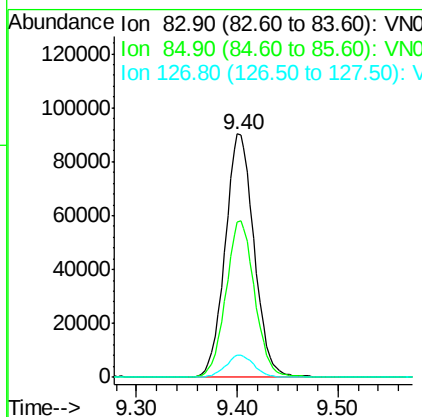
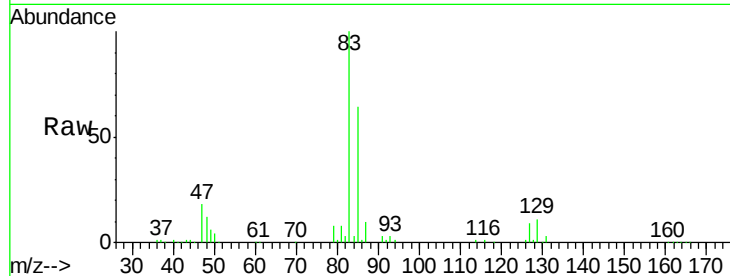
#47
Bromodichloromethane
Concen: 20.146 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN053577.D
Acq: 1 Feb 2019 15:35

Instrument :
MSVOA_N
ClientSampleId :
VN0201WBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.0	76.6
127	9.3	7.0	10.6

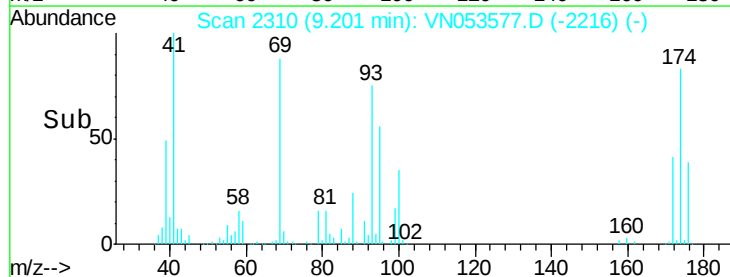
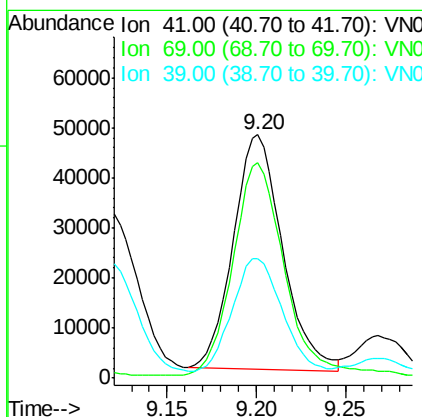
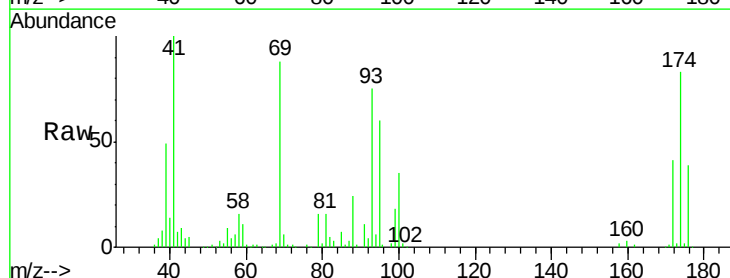
Manual Integrations
APPROVED

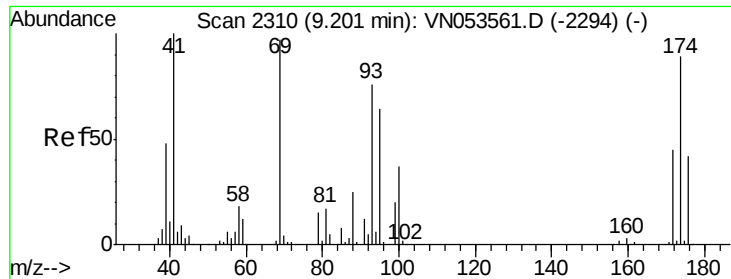
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#48
Methyl methacrylate
Concen: 19.437 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053577.D
Acq: 1 Feb 2019 15:35

Tgt Ion	Ratio	Lower	Upper
41	100		
69	98.2	73.8	110.6
39	53.2	40.0	60.0





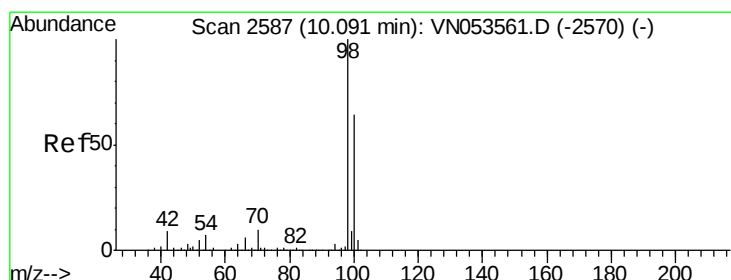
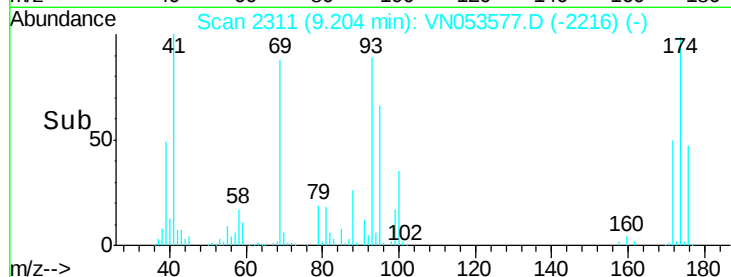
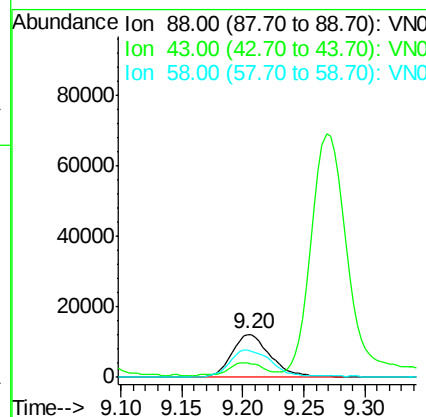
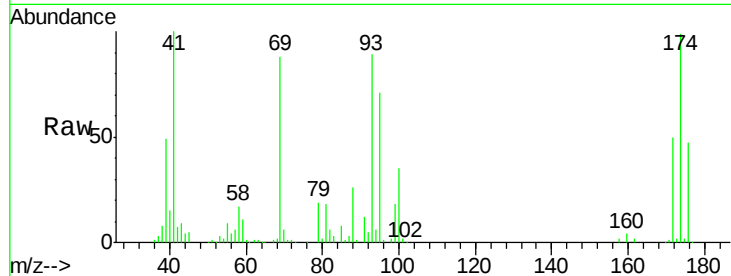
#49
1,4-Dioxane
Concen: 422.461 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN053577.D
Acq: 1 Feb 2019 15:35

Instrument :
MSVOA_N
ClientSampleId :
VN0201WBS01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	27.3	27.8	41.6#
58	68.9	56.5	84.7

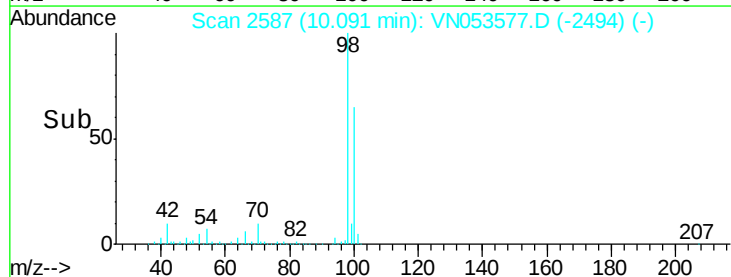
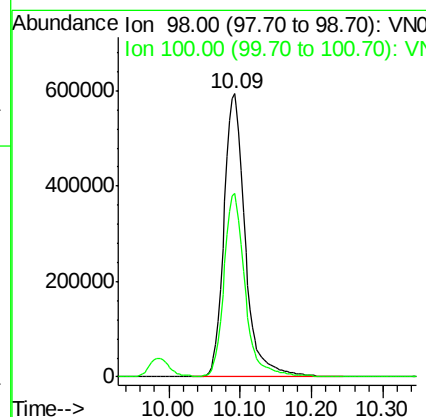
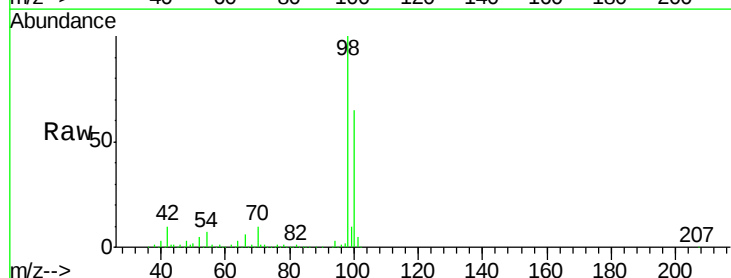
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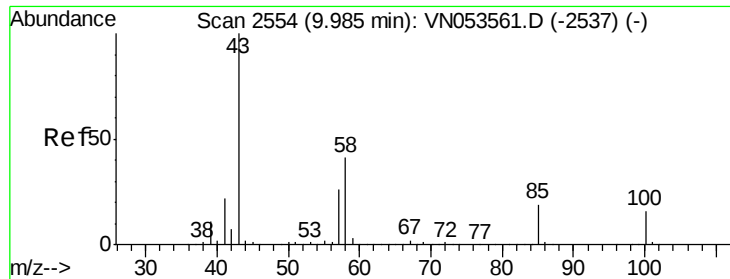
MMDadoda
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#50
Toluene-d8
Concen: 51.348 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053577.D
Acq: 1 Feb 2019 15:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.4	77.0





#51

4-Methyl-2-Pentanone

Concen: 106.095 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053577.D

Acq: 1 Feb 2019 15:35

Instrument :

MSVOA_N

ClientSampleId :

VN0201WBS01

Tgt Ion: 43 Resp: 510000

Ion Ratio Lower Upper

43 100

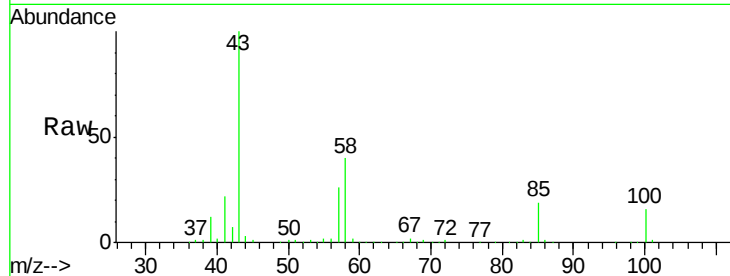
58 41.0 32.8 49.2

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

250000

200000

150000

100000

50000

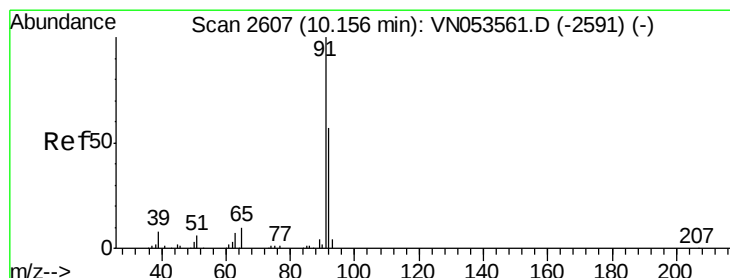
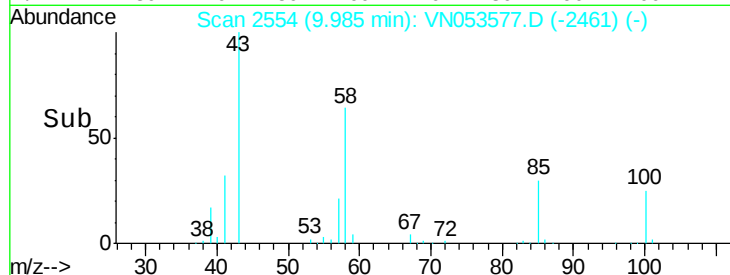
0

9.90

10.00

10.10

Time-->



#52

Toluene

Concen: 19.890 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053577.D

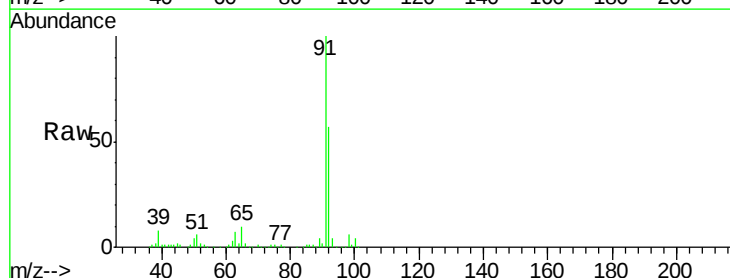
Acq: 1 Feb 2019 15:35

Tgt Ion: 92 Resp: 330145

Ion Ratio Lower Upper

92 100

91 175.3 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

300000

250000

200000

150000

100000

50000

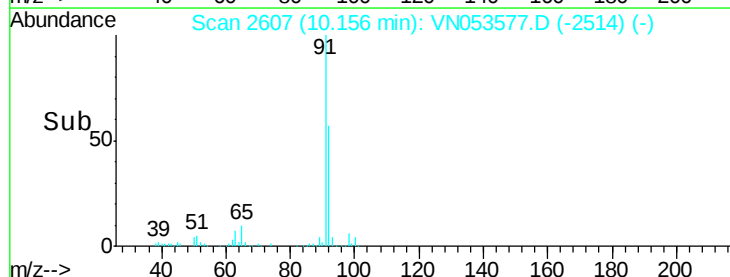
0

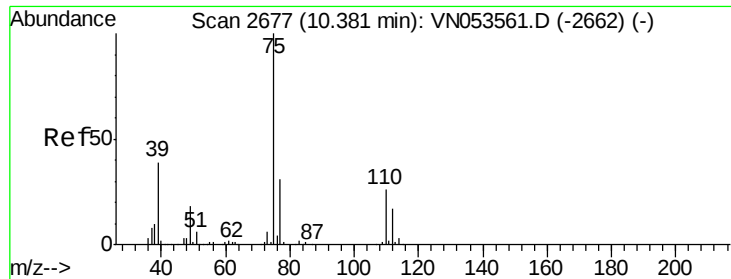
10.10

10.20

10.30

Time-->





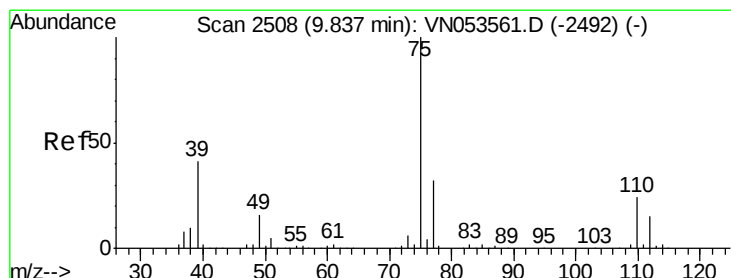
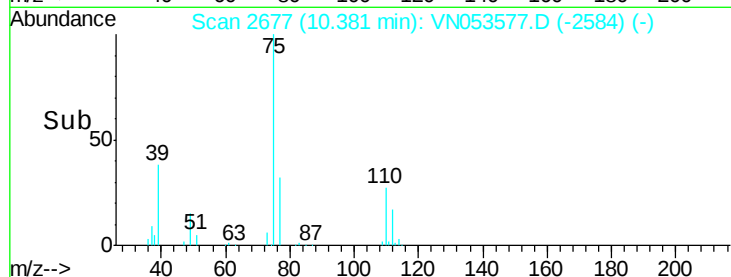
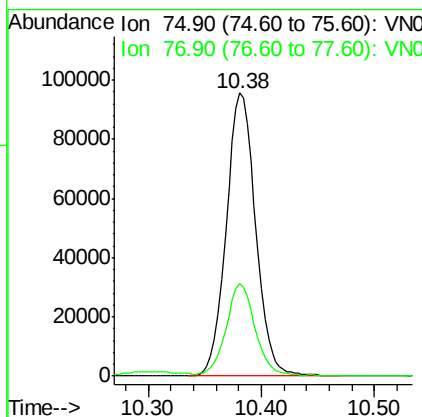
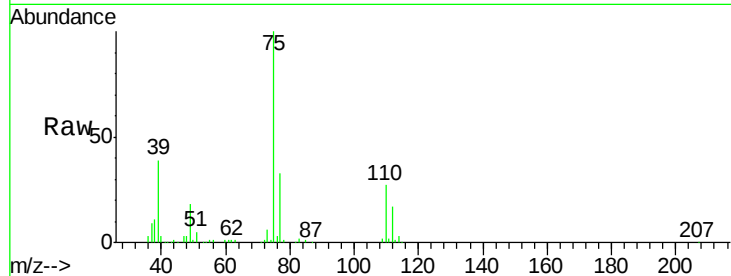
#53
t-1,3-Dichloropropene
Concen: 19.248 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN053577.D
Acq: 1 Feb 2019 15:35

Instrument :
MSVOA_N
ClientSampleId :
VN0201WBS01

Tgt Ion: 75 Resp: 172812
Ion Ratio Lower Upper
75 100
77 32.4 25.5 38.3

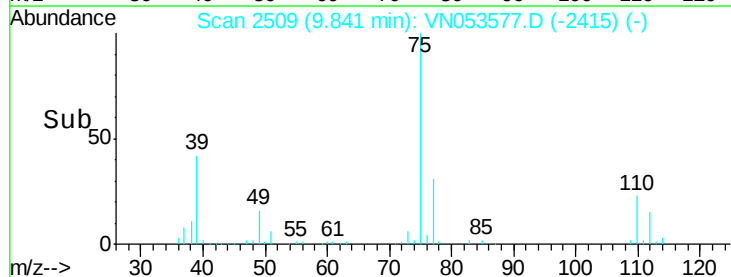
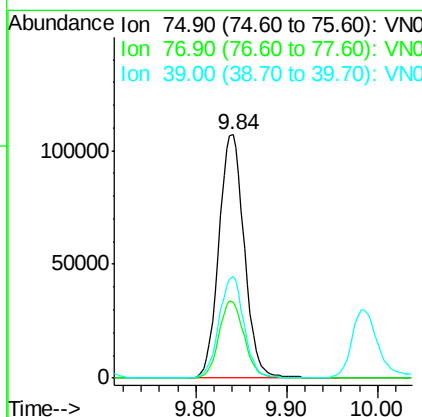
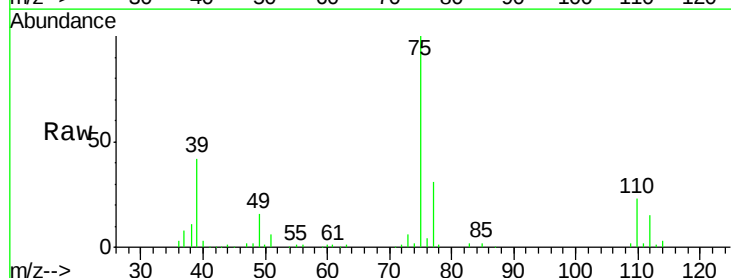
Manual Integrations
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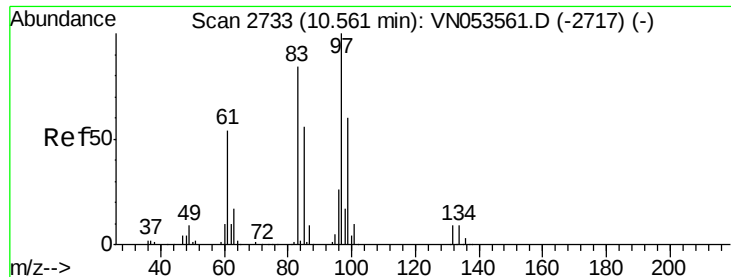
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 19.547 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053577.D
Acq: 1 Feb 2019 15:35

Tgt Ion: 75 Resp: 207954
Ion Ratio Lower Upper
75 100
77 31.4 25.8 38.6
39 42.0 33.4 50.0





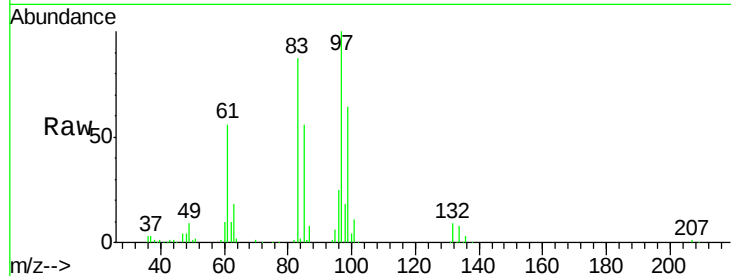
#55
 1,1,2-Trichloroethane
 Concen: 20.703 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053577.D
 Acq: 1 Feb 2019 15:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0201WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	123827		
83	87.5	70.1	105.1	
85	55.6	45.4	68.0	
99	63.9	49.8	74.8	

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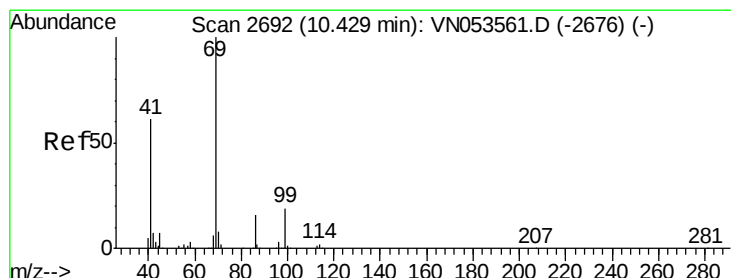
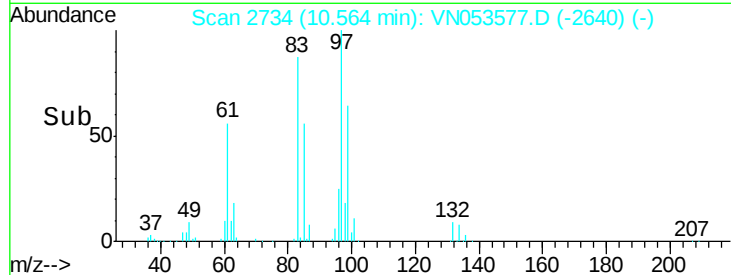
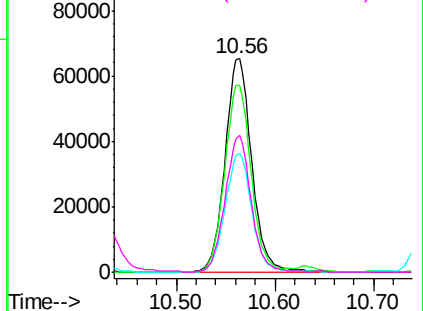


Abundance Ion 96.90 (96.60 to 97.60): VN053577.D (-2640) (-)

Ion 82.90 (82.60 to 83.60): VN053577.D (-2640) (-)

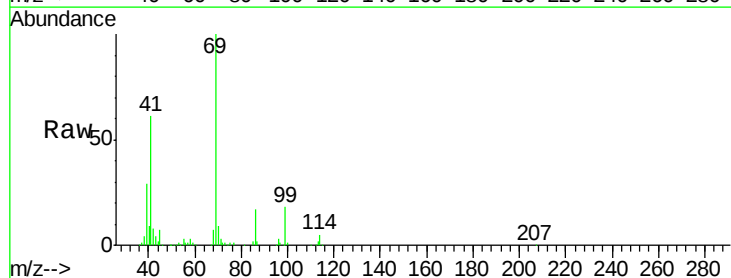
Ion 84.90 (84.60 to 85.60): VN053577.D (-2640) (-)

Ion 98.90 (98.60 to 99.60): VN053577.D (-2640) (-)



#56
 Ethyl methacrylate
 Concen: 20.130 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053577.D
 Acq: 1 Feb 2019 15:35

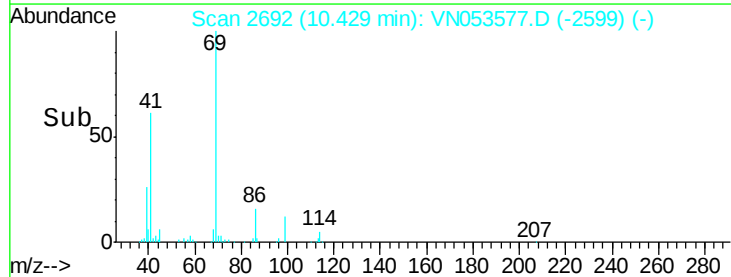
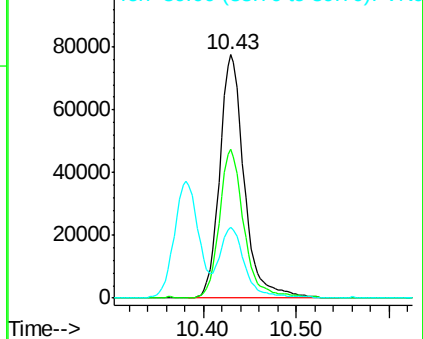
Tgt Ion	Ratio	Resp	Lower	Upper
69	100	142436		
41	61.4	49.4	74.0	
39	29.0	23.3	34.9	

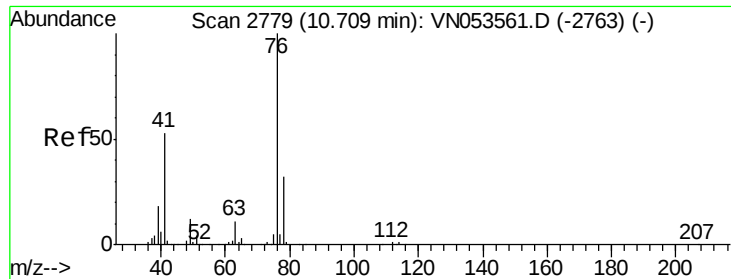


Abundance Ion 69.00 (68.70 to 69.70): VN053577.D (-2599) (-)

Ion 41.00 (40.70 to 41.70): VN053577.D (-2599) (-)

Ion 39.00 (38.70 to 39.70): VN053577.D (-2599) (-)





#57

1,3-Dichloropropane

Concen: 20.235 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053577.D

Acq: 1 Feb 2019 15:35

Instrument :

MSVOA_N

ClientSampleId :

VN0201WBS01

Tgt Ion: 76 Resp: 206852

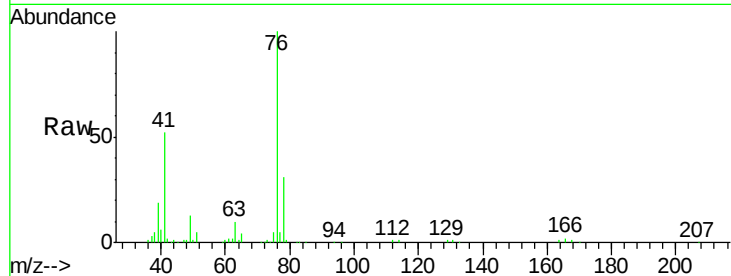
Ion Ratio Lower Upper

76 100

78 31.9 25.6 38.4

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

120000

100000

80000

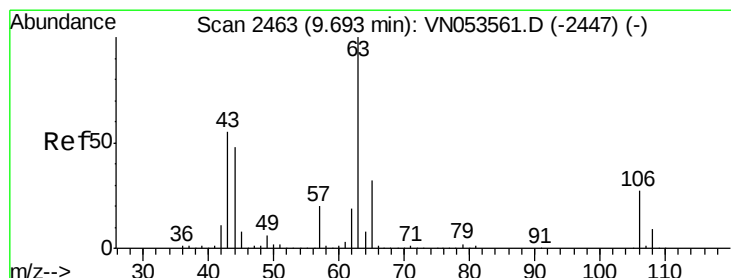
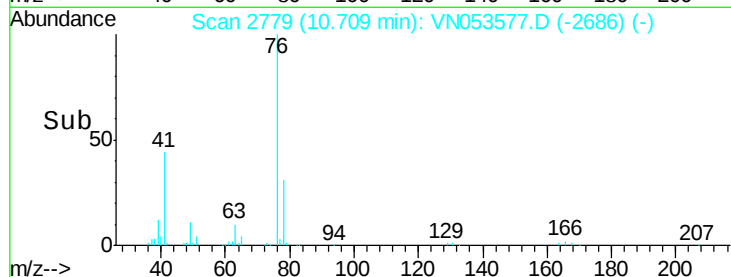
60000

40000

20000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 93.026 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053577.D

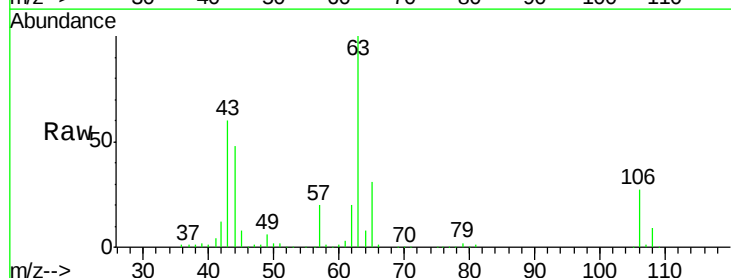
Acq: 1 Feb 2019 15:35

Tgt Ion: 63 Resp: 385423

Ion Ratio Lower Upper

63 100

106 27.3 21.5 32.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

200000

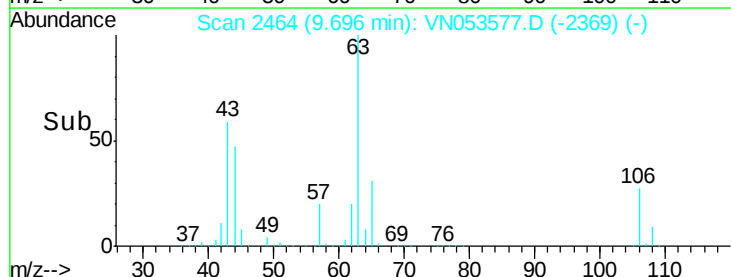
150000

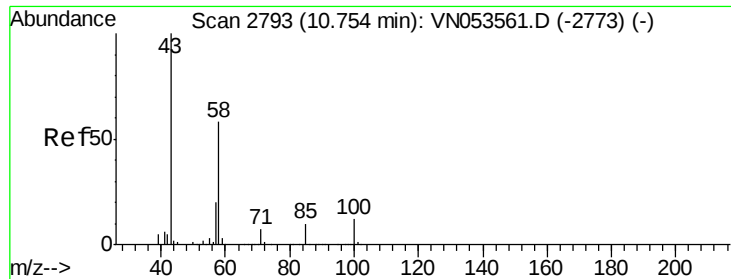
100000

50000

0

Time--> 9.60 9.70 9.80





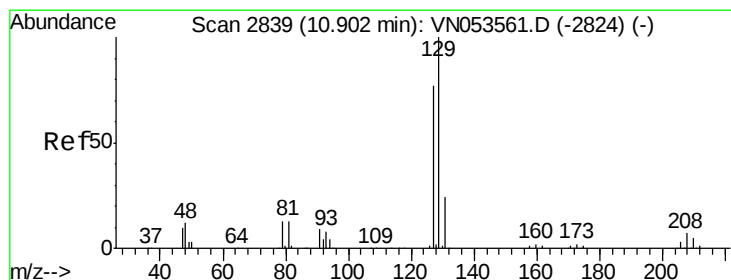
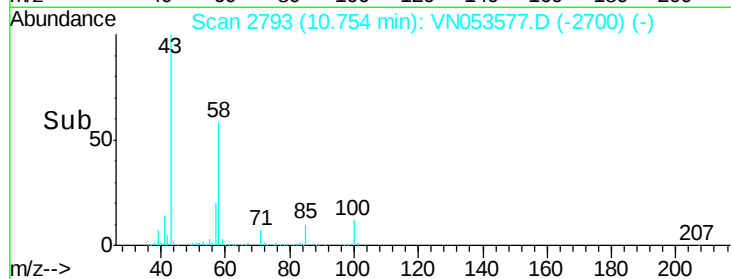
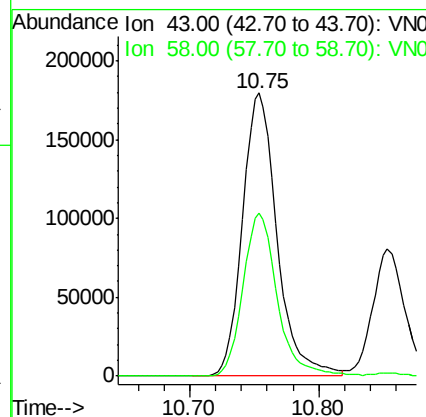
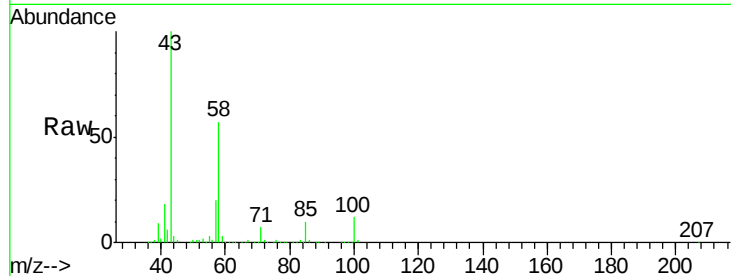
#59
2-Hexanone
Concen: 101.978 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053577.D
Acq: 1 Feb 2019 15:35

Instrument :
MSVOA_N
ClientSampleId :
VN0201WBS01

Tgt Ion: 43 Resp: 332790
Ion Ratio Lower Upper
43 100
58 57.4 28.6 85.8

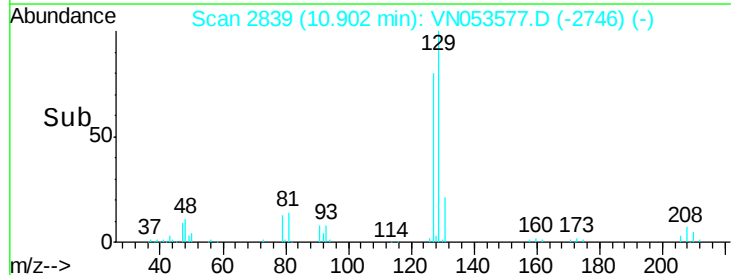
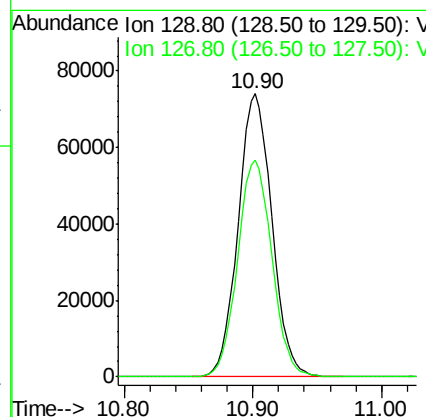
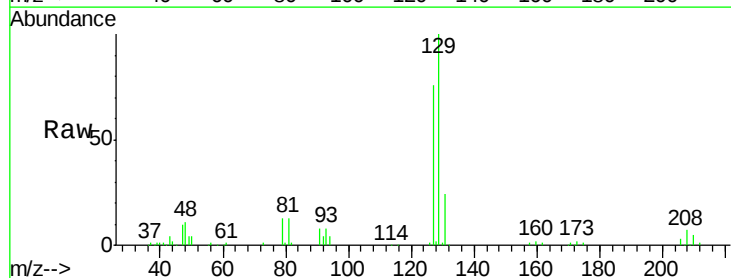
Manual Integrations
APPROVED

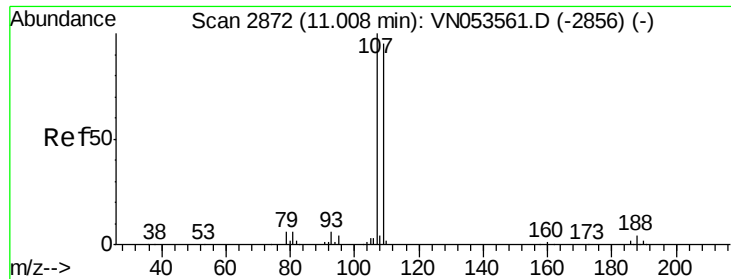
MMDadoda
2/4/2019 9:49:23 AM



#60
Dibromochloromethane
Concen: 19.995 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053577.D
Acq: 1 Feb 2019 15:35

Tgt Ion: 129 Resp: 134861
Ion Ratio Lower Upper
129 100
127 77.7 38.6 115.8





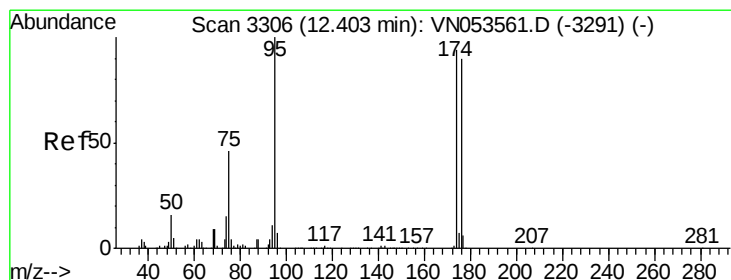
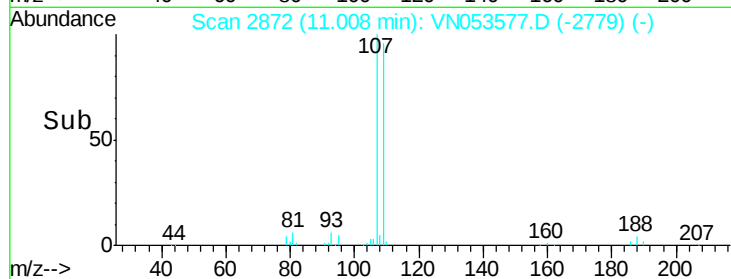
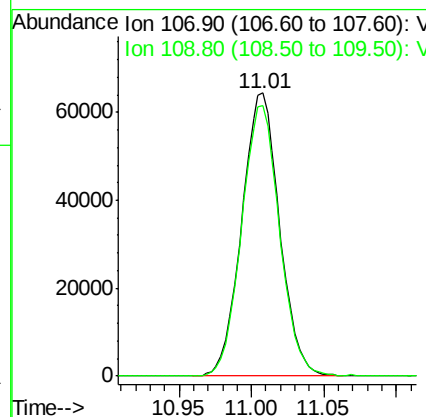
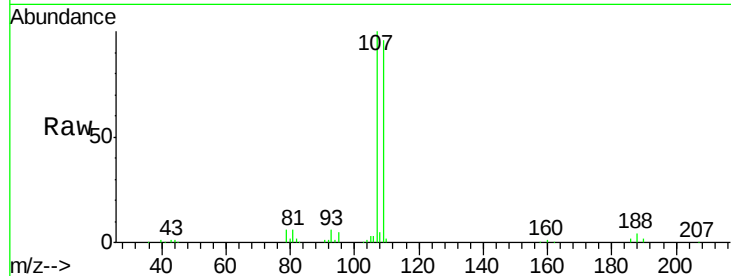
#61
 1,2-Dibromoethane
 Concen: 19.683 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053577.D
 Acq: 1 Feb 2019 15:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0201WBS01

Tgt Ion: 107 Resp: 116521
 Ion Ratio Lower Upper
 107 100
 109 96.0 75.7 113.5

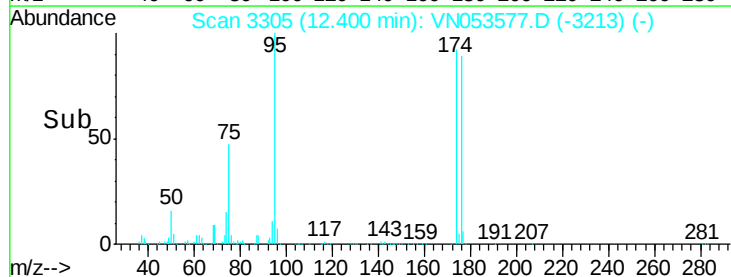
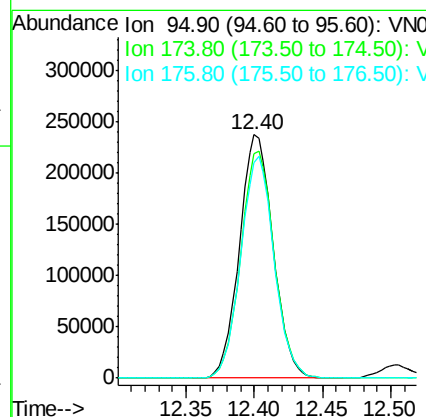
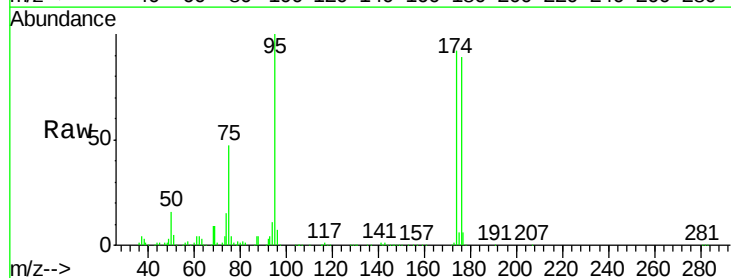
Manual Integrations
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 2/4/2019 9:49:23 AM



#62
 4-Bromofluorobenzene
 Concen: 50.965 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053577.D
 Acq: 1 Feb 2019 15:35

Tgt Ion: 95 Resp: 405745
 Ion Ratio Lower Upper
 95 100
 174 93.0 0.0 183.2
 176 90.1 0.0 177.4





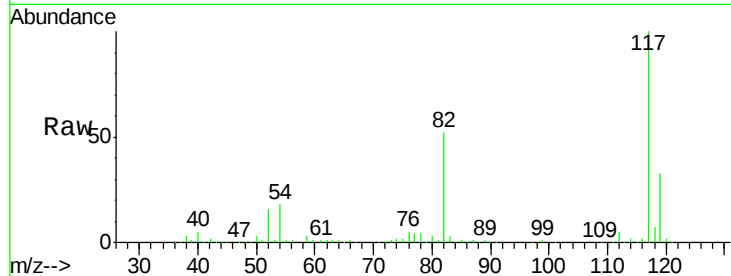
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053577.D
Acq: 1 Feb 2019 15:35

Instrument :
MSVOA_N
ClientSampleId :
VN0201WBS01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.2	42.9	64.3
119	32.6	26.0	39.0

Manual Integrations
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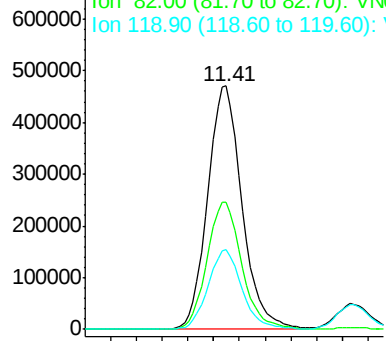


Abundance

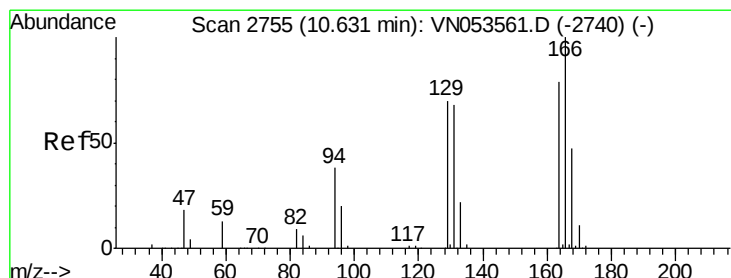
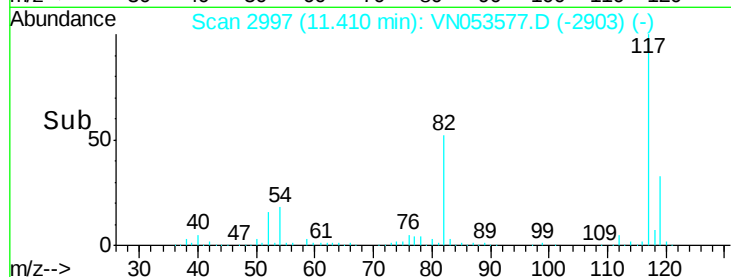
Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



Time-->



#64
Tetrachloroethene
Concen: 19.480 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053577.D
Acq: 1 Feb 2019 15:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.0	102.2	153.4
129	89.5	72.6	109.0
131	87.0	69.5	104.3

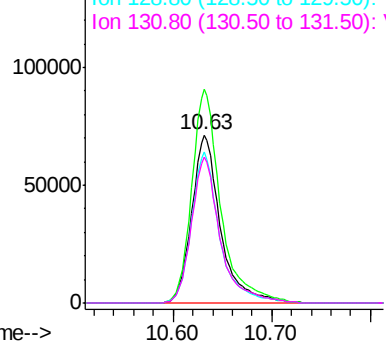
Abundance

Ion 163.80 (163.50 to 164.50): V

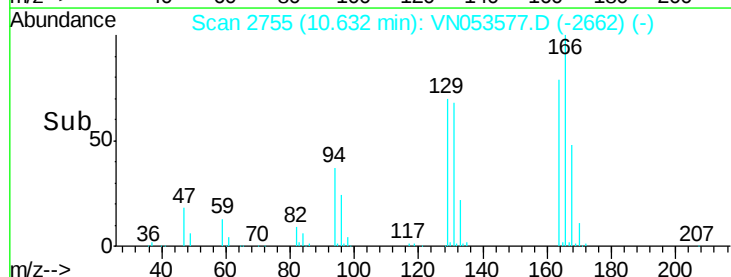
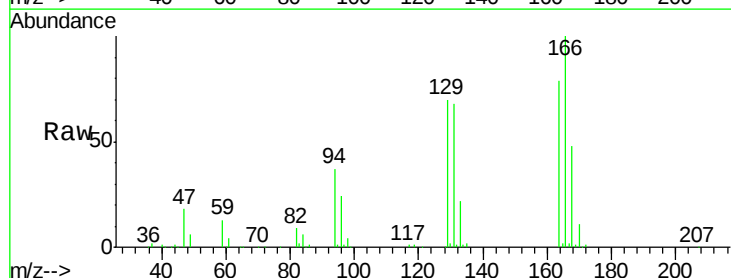
Ion 165.80 (165.50 to 166.50): V

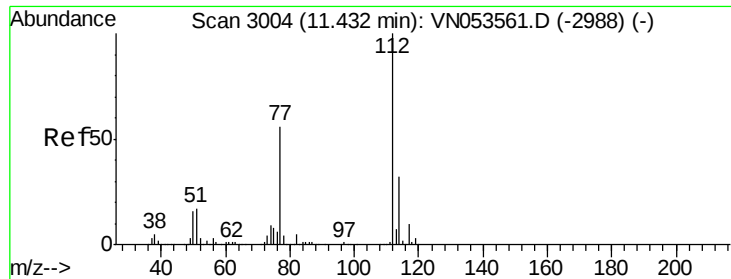
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



Time-->





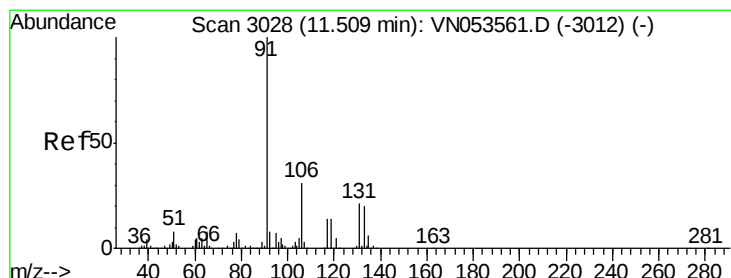
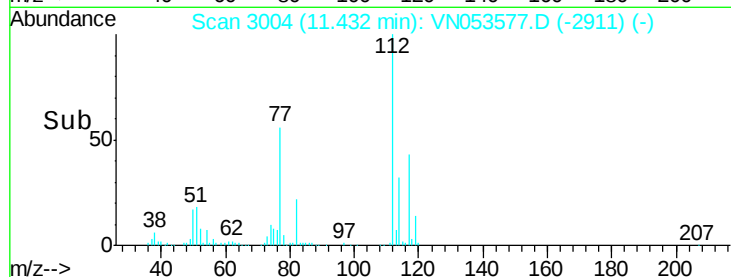
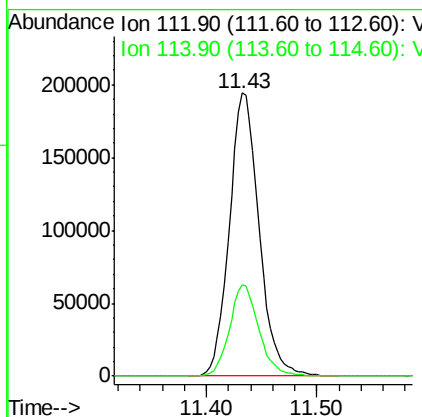
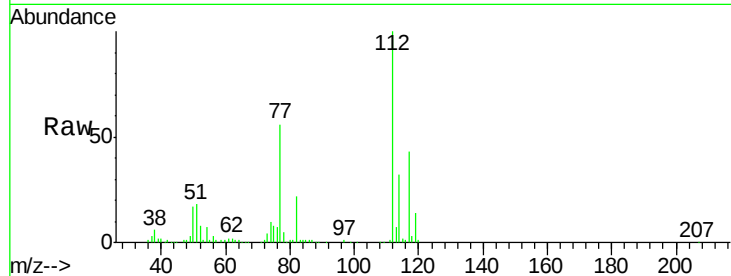
#65
Chlorobenzene
Concen: 19.575 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053577.D
Acq: 1 Feb 2019 15:35

Instrument :
MSVOA_N
ClientSampleId :
VN0201WBS01

Tgt Ion:112 Resp: 363534
Ion Ratio Lower Upper
112 100
114 32.1 25.3 37.9

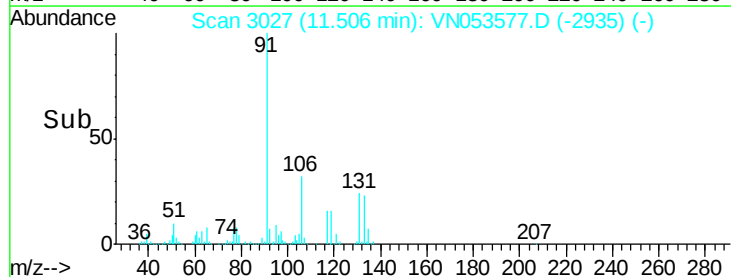
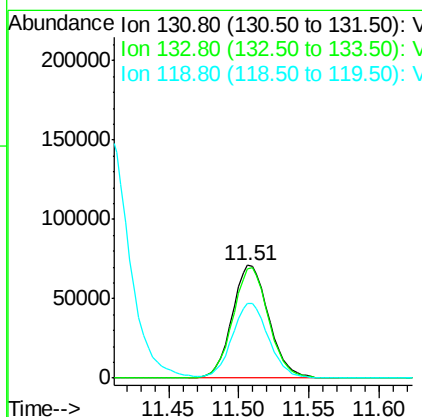
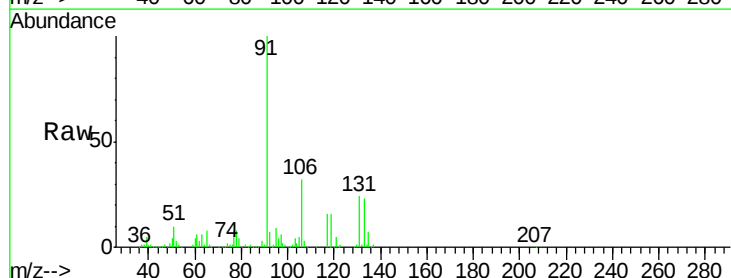
Manual Integrations
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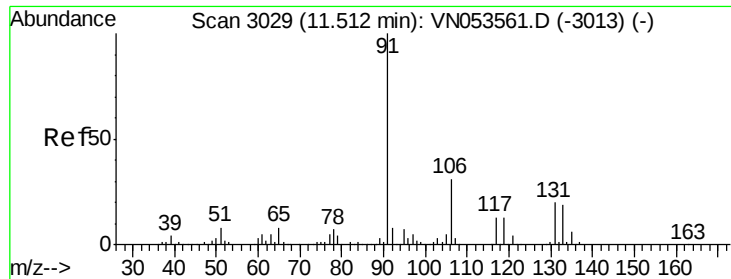
MMDadoda
2/4/2019 9:49:23 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.957 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN053577.D
Acq: 1 Feb 2019 15:35

Tgt Ion:131 Resp: 129438
Ion Ratio Lower Upper
131 100
133 95.7 48.0 144.0
119 65.8 33.5 100.5





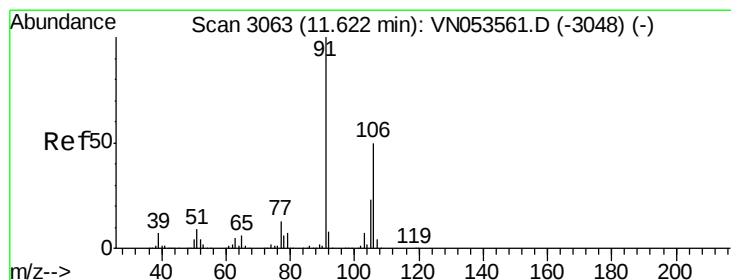
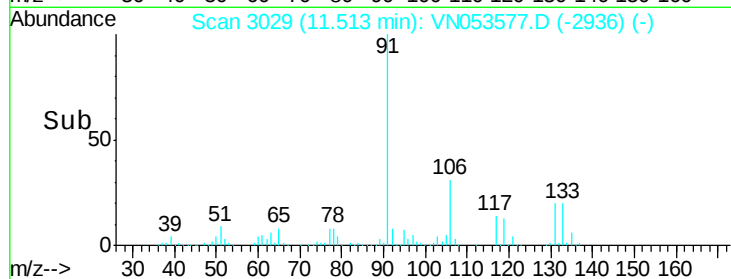
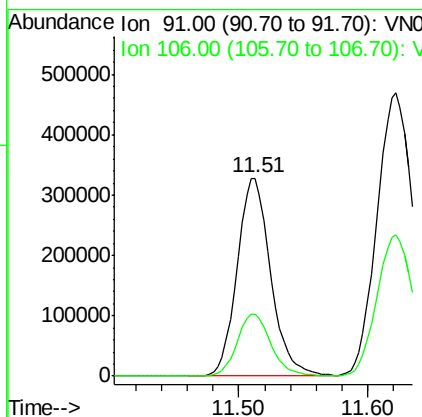
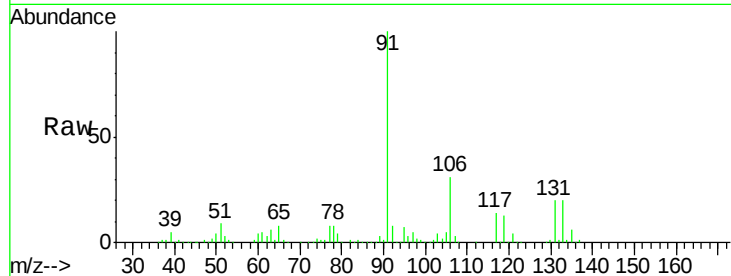
#67
Ethyl Benzene
Concen: 19.487 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053577.D
Acq: 1 Feb 2019 15:35

Instrument :
MSVOA_N
ClientSampled :
VN0201WBS01

Tgt Ion: 91 Resp: 594491
Ion Ratio Lower Upper
91 100
106 31.4 25.0 37.6

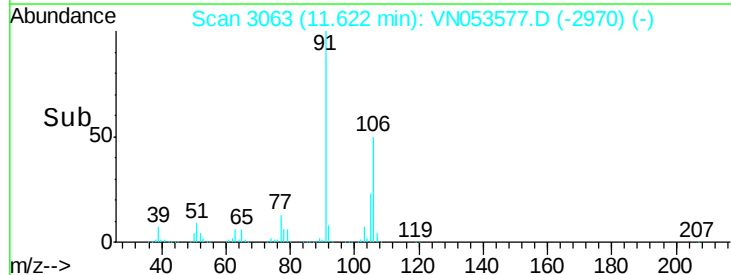
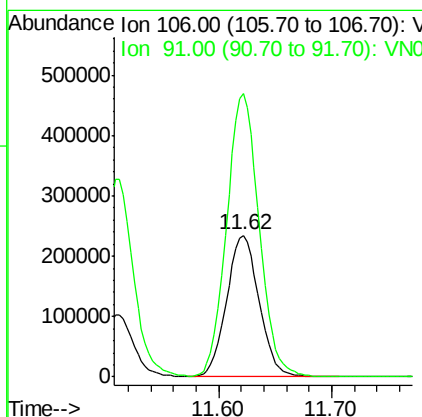
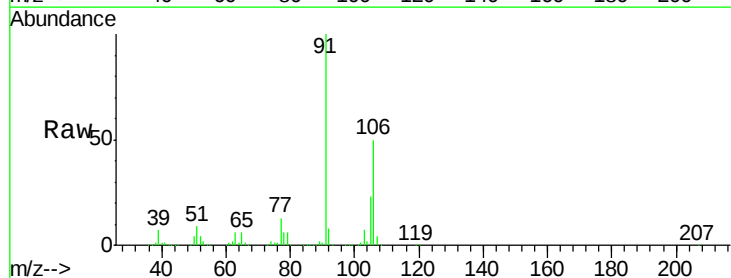
Manual Integrations
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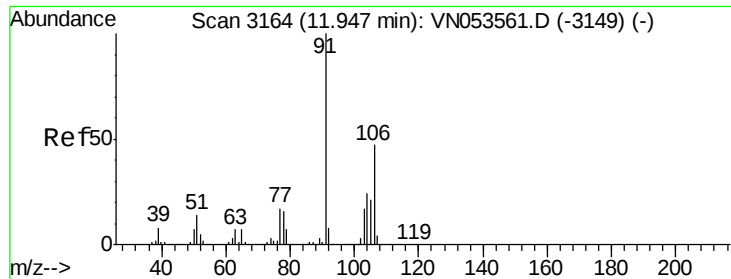
MMDadoda
2/4/2019 9:49:23 AM



#68
m/p-Xylenes
Concen: 40.189 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053577.D
Acq: 1 Feb 2019 15:35

Tgt Ion: 106 Resp: 467950
Ion Ratio Lower Upper
106 100
91 199.9 161.4 242.2





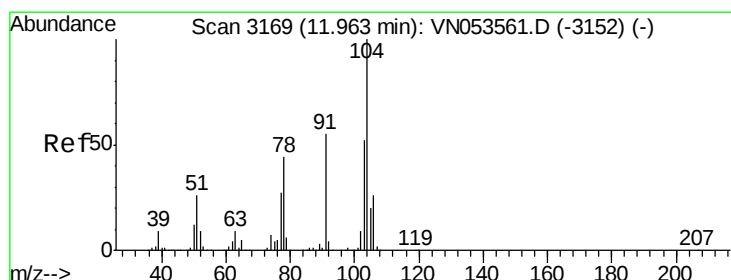
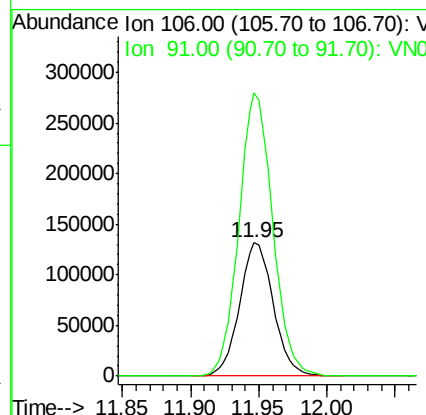
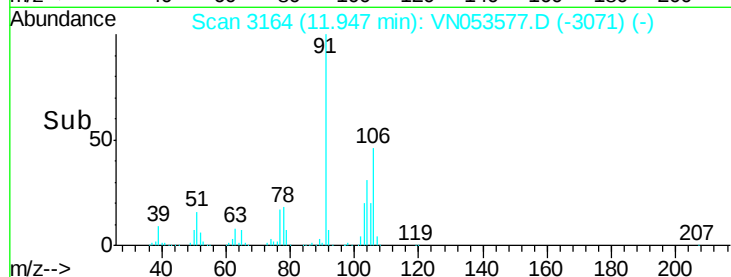
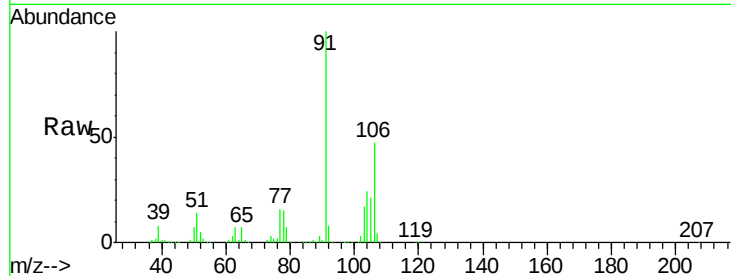
#69
o-Xylene
Concen: 20.107 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053577.D
Acq: 1 Feb 2019 15:35

Instrument :
MSVOA_N
ClientSampleId :
VN0201WBS01

Tgt Ion:106 Resp: 226175
Ion Ratio Lower Upper
106 100
91 213.0 106.9 320.8

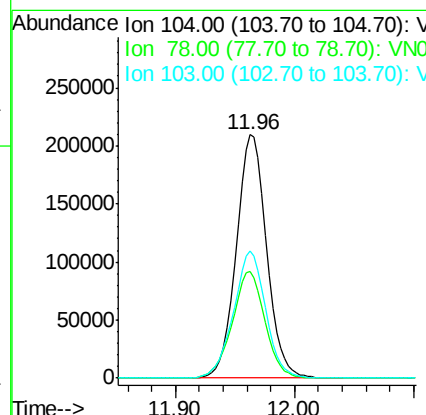
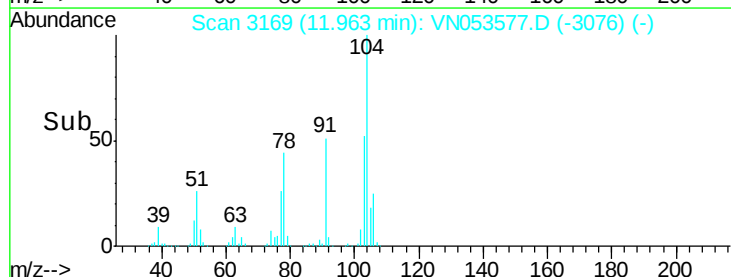
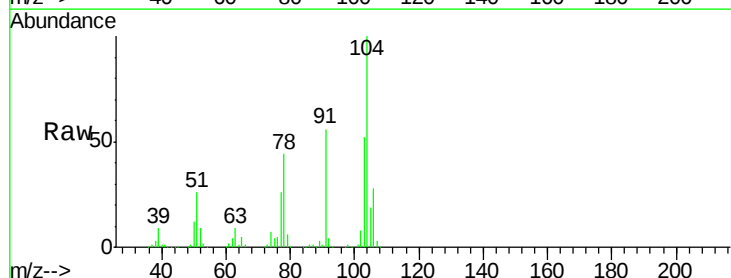
Manual Integrations
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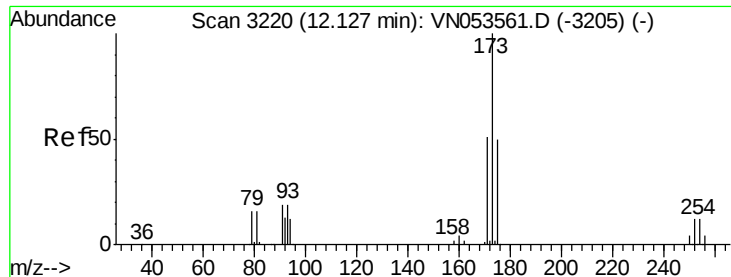
MMDadoda
2/4/2019 9:49:23 AM



#70
Styrene
Concen: 20.223 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053577.D
Acq: 1 Feb 2019 15:35

Tgt Ion:104 Resp: 368710
Ion Ratio Lower Upper
104 100
78 47.5 38.2 57.2
103 55.6 44.4 66.6





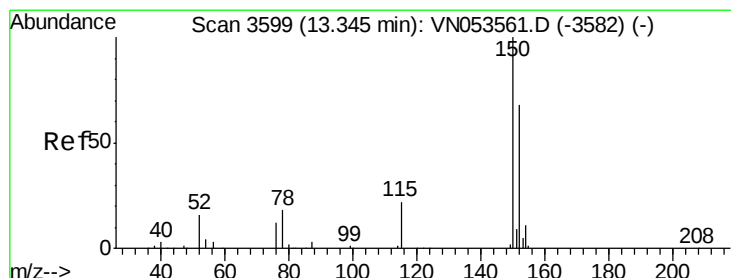
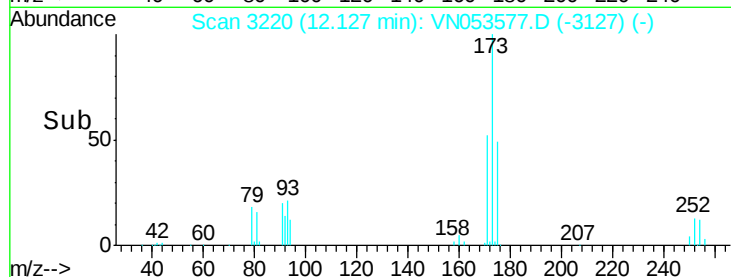
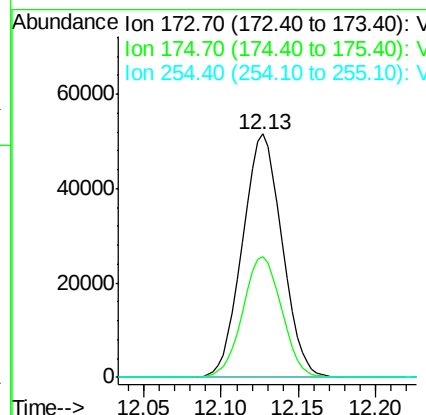
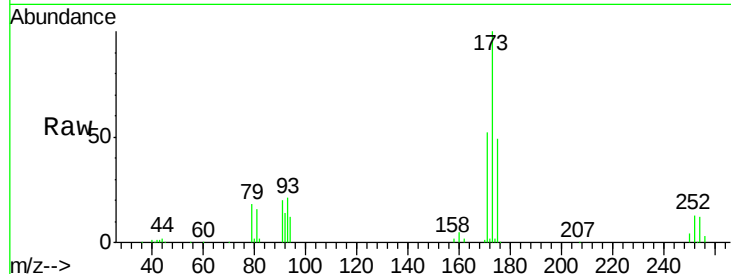
#71
 Bromoform
 Concen: 20.672 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN053577.D
 Acq: 1 Feb 2019 15:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0201WBS01

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

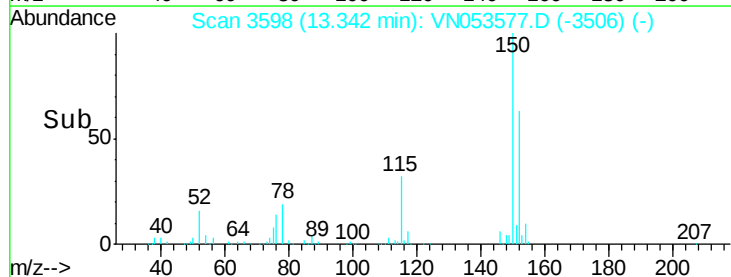
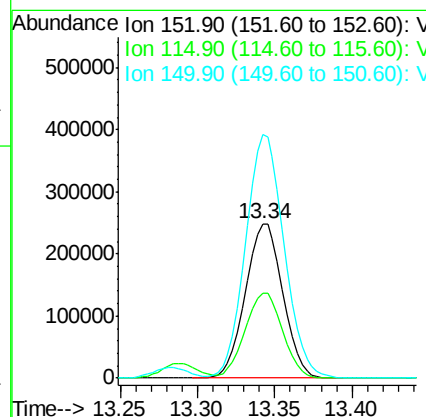
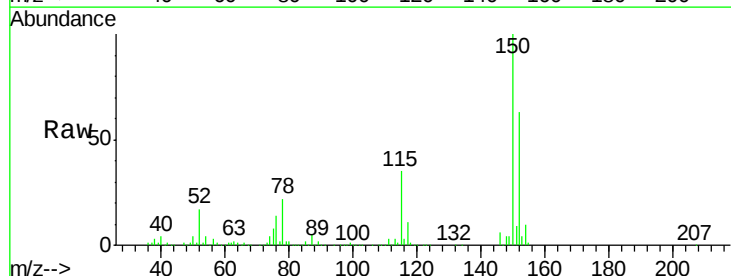
Manual Integrations
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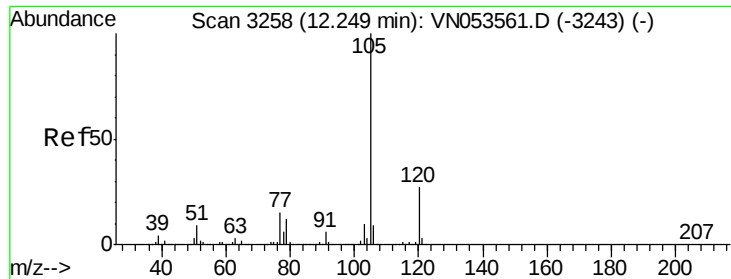
MMDadoda
 2/4/2019 9:49:23 AM



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.34 min Scan# 3598
 Delta R.T. -0.00 min
 Lab File: VN053577.D
 Acq: 1 Feb 2019 15:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	27.8	83.4
150	162.6	0.0	349.0





#73

Isopropylbenzene

Concen: 20.148 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053577.D

Acq: 1 Feb 2019 15:35

Instrument :

MSVOA_N

ClientSampleId :

VN0201WBS01

Tgt Ion: 105 Resp: 592673

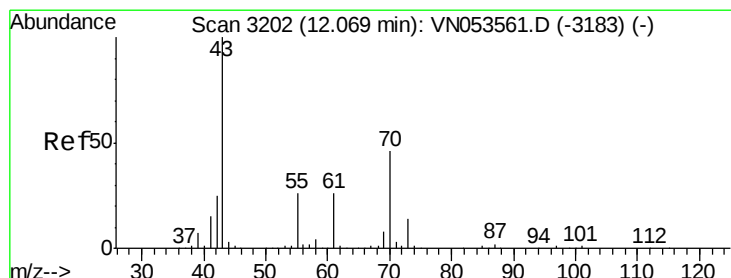
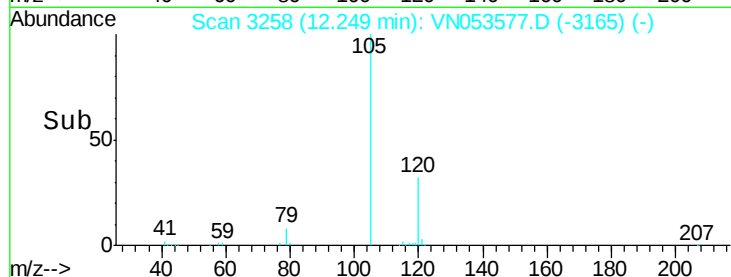
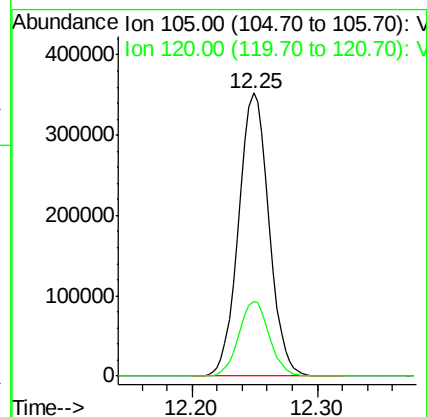
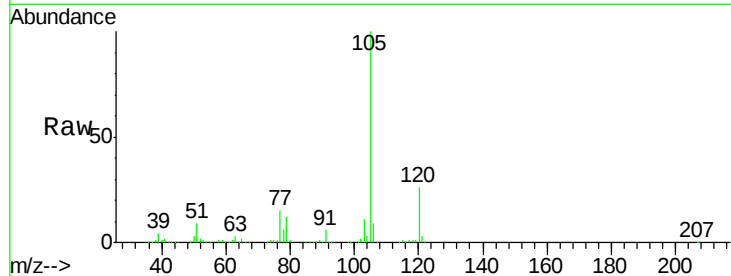
Ion Ratio Lower Upper

105 100

120 26.6 13.6 40.7

Manual Integrations
APPROVED

MMDadoda
2/4/2019 9:49:23 AM



#74

N-ethyl acetate

Concen: 19.493 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053577.D

Acq: 1 Feb 2019 15:35

Tgt Ion: 43 Resp: 137886

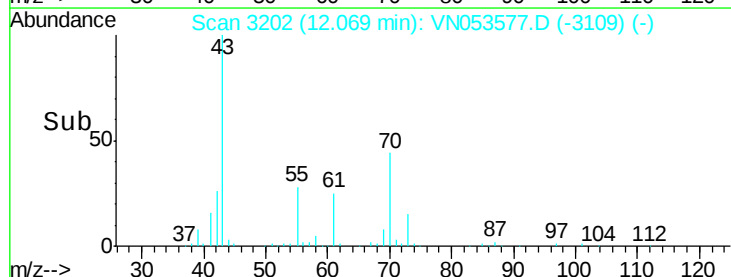
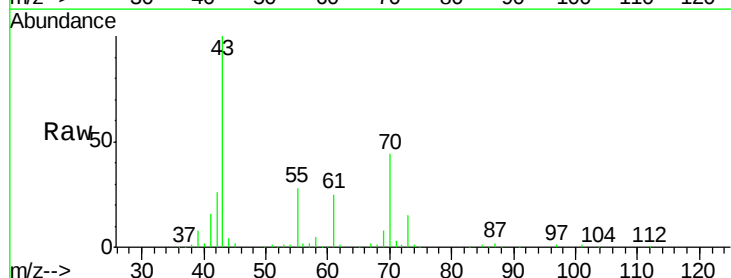
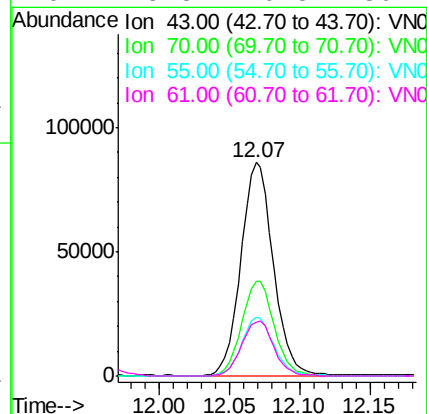
Ion Ratio Lower Upper

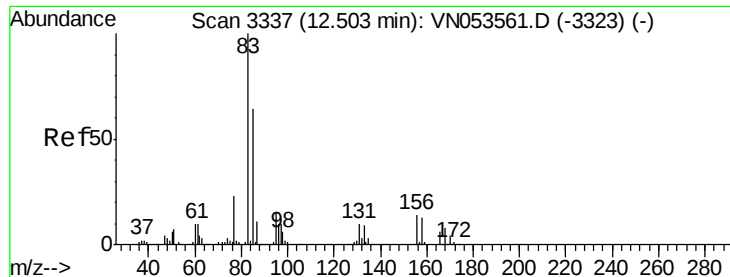
43 100

70 45.0 35.4 53.2

55 27.3 20.9 31.3

61 25.8 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 20.094 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053577.D

Acq: 1 Feb 2019 15:35

Instrument :

MSVOA_N

ClientSampleId :

VN0201WBS01

Tgt Ion: 83 Resp: 141459
Ion Ratio Lower Upper

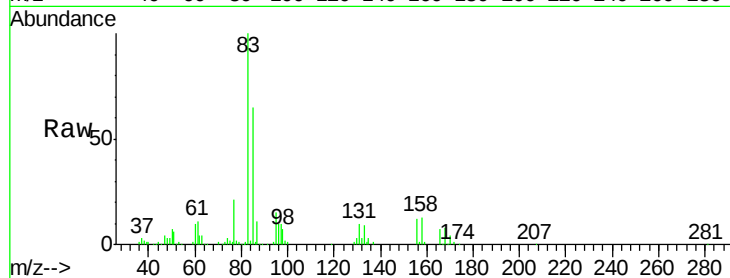
83 100

131 10.0 5.3 15.8

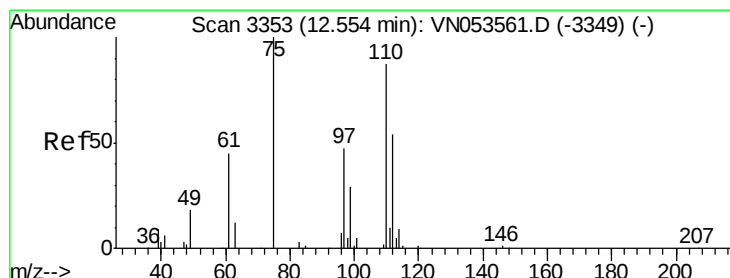
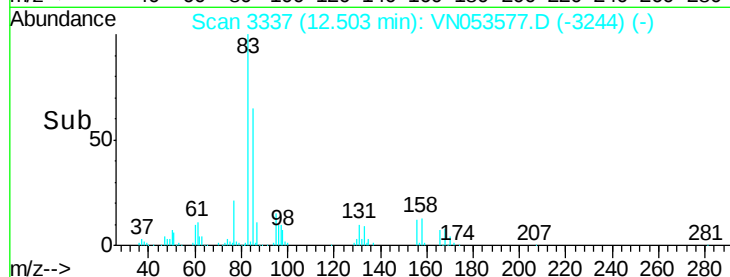
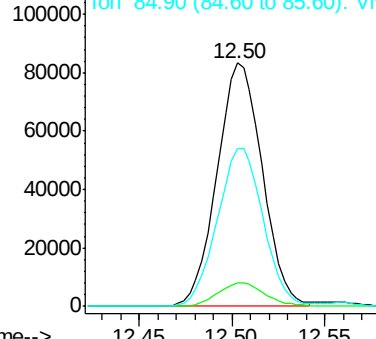
85 65.7 32.1 96.3

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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): VN
Ion 84.90 (84.60 to 85.60): VN



#76

1,2,3-Trichloropropane

Concen: 21.780 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

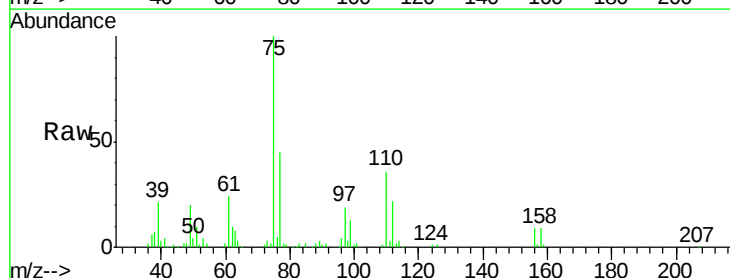
Lab File: VN053577.D

Acq: 1 Feb 2019 15:35

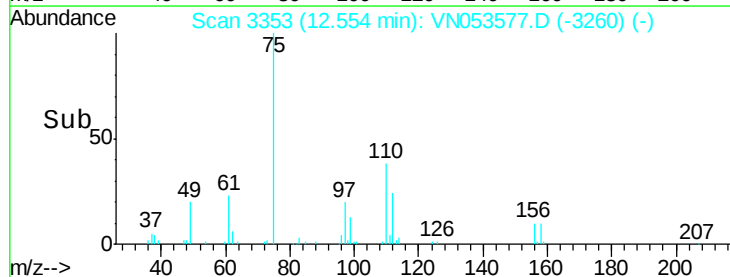
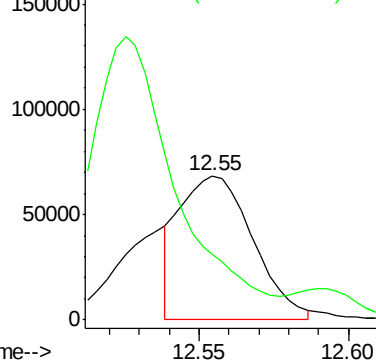
Tgt Ion: 75 Resp: 117057
Ion Ratio Lower Upper

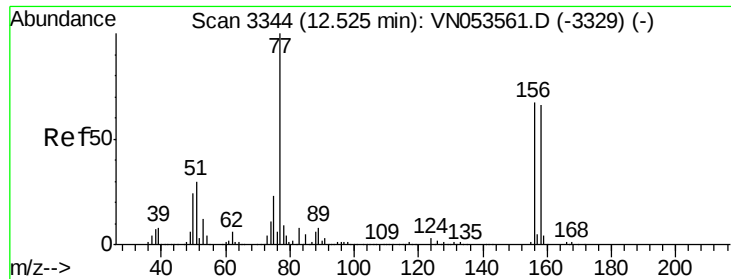
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN





#77

Bromobenzene

Concen: 19.616 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053577.D

Acq: 1 Feb 2019 15:35

Instrument :

MSVOA_N

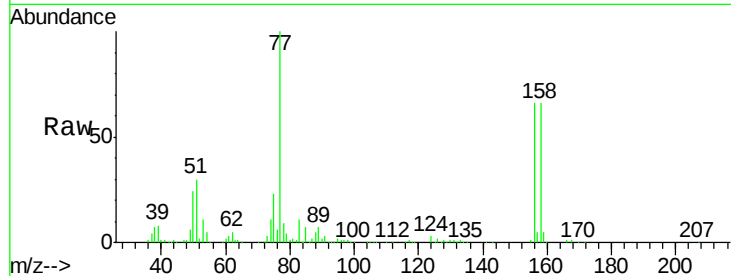
ClientSampleId :

VN0201WBS01

Tgt Ion:	156	Resp:	155508
Ion Ratio	Lower	Upper	
156	100		
77	176.9	87.9	263.8
158	99.6	48.8	146.4

Manual Integrations
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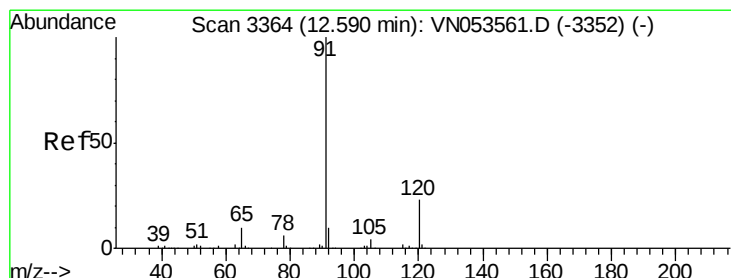
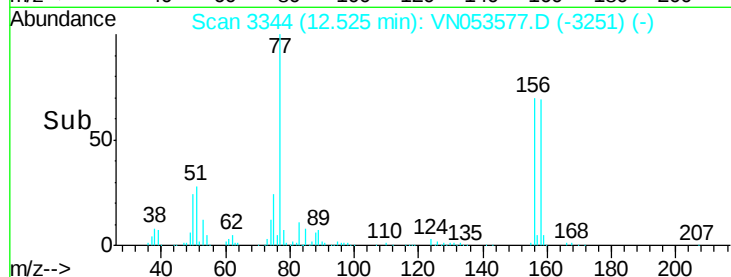
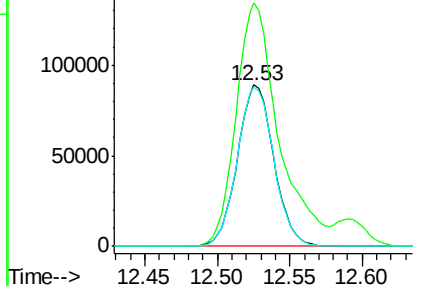
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.897 ug/l

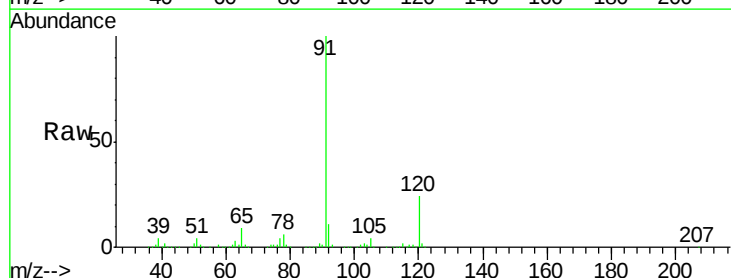
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053577.D

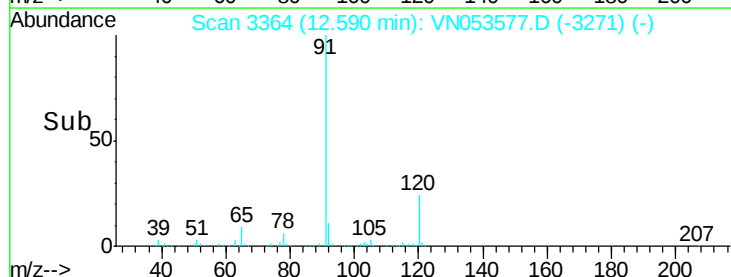
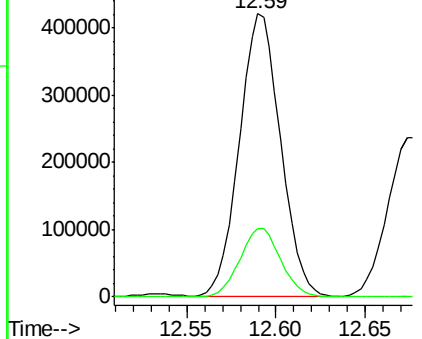
Acq: 1 Feb 2019 15:35

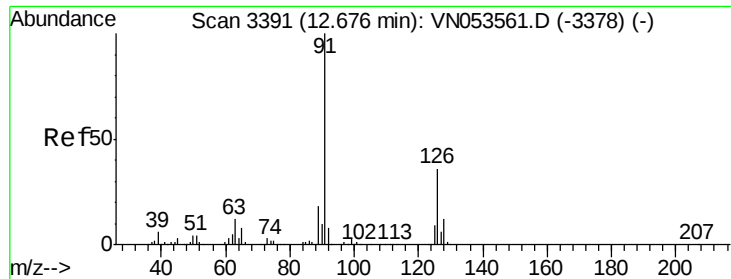
Tgt Ion:	91	Resp:	676609
Ion Ratio	Lower	Upper	
91	100		
120	24.2	11.9	35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.042 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053577.D

Acq: 1 Feb 2019 15:35

Instrument :

MSVOA_N

ClientSampleId :

VN0201WBS01

Tgt Ion: 91 Resp: 404337

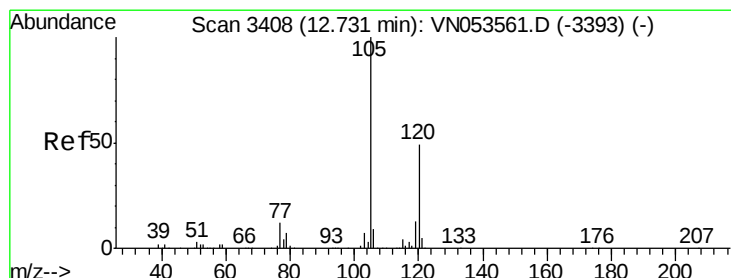
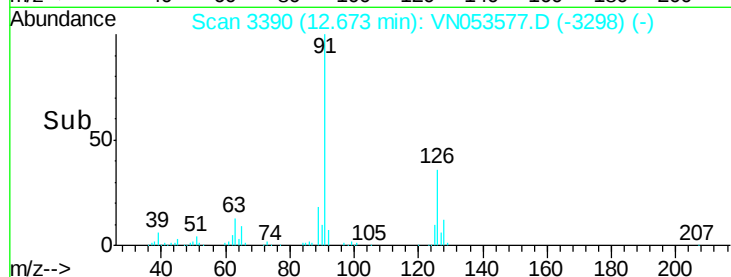
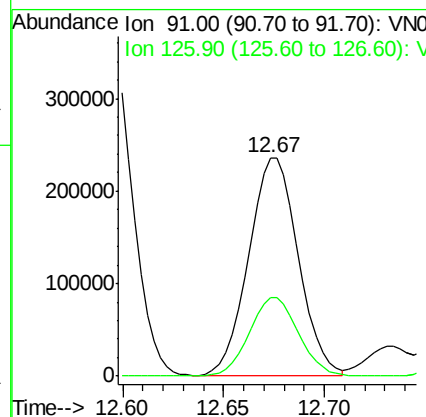
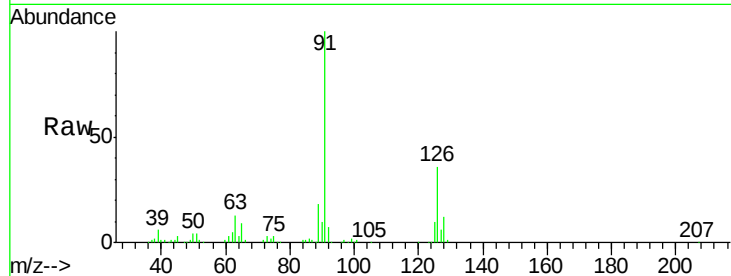
Ion Ratio Lower Upper

91 100

126 36.0 17.9 53.7

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 20.686 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053577.D

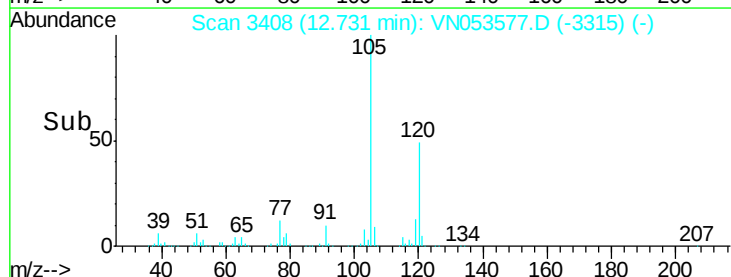
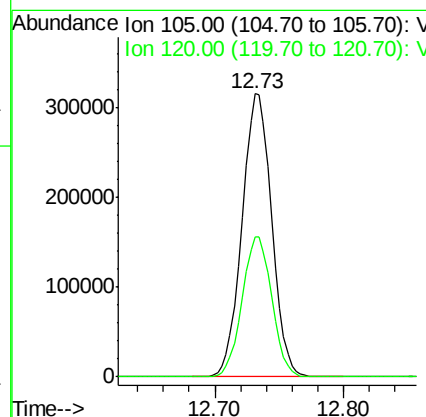
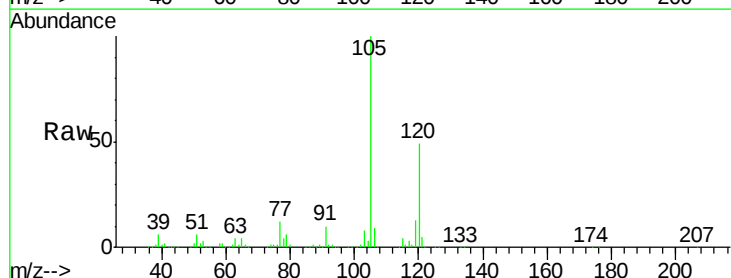
Acq: 1 Feb 2019 15:35

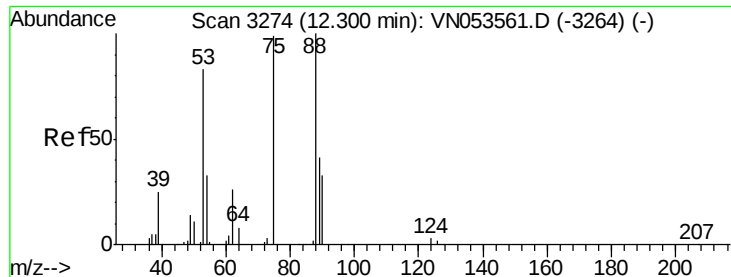
Tgt Ion: 105 Resp: 504593

Ion Ratio Lower Upper

105 100

120 49.5 24.9 74.6





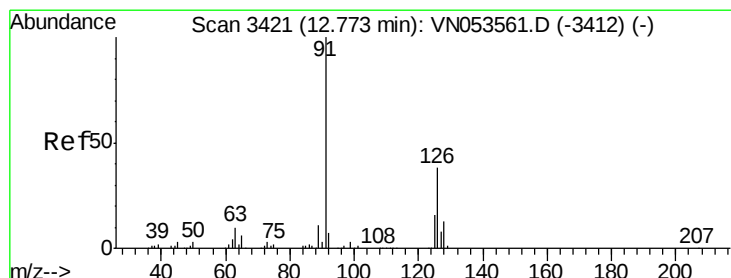
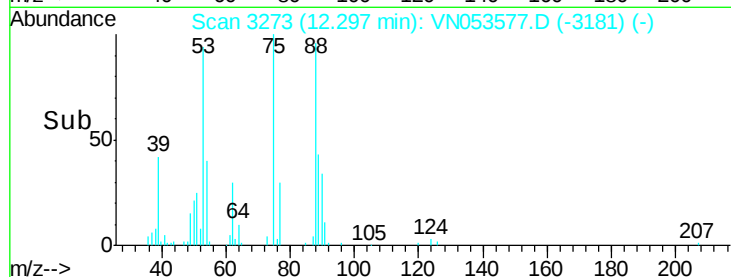
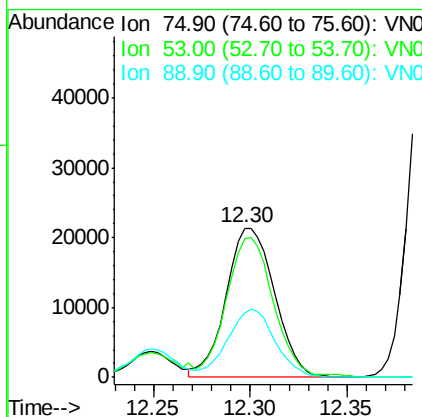
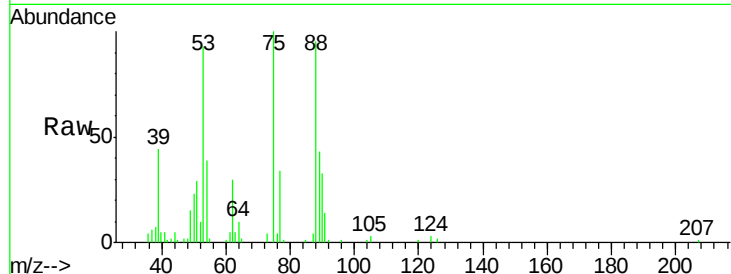
#81
trans-1,4-Dichloro-2-butene
Concen: 19.490 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN053577.D
Acq: 1 Feb 2019 15:35

Instrument :
MSVOA_N
ClientSampleId :
VN0201WBS01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	87.9	69.8	104.6
89	44.6	35.6	53.4

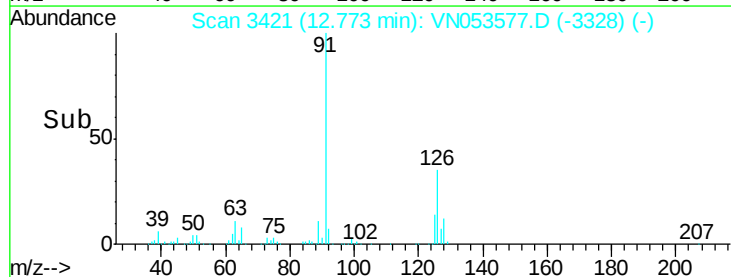
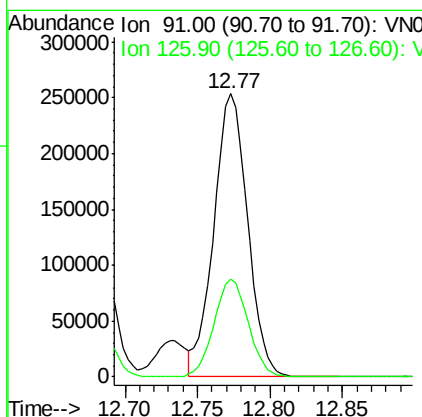
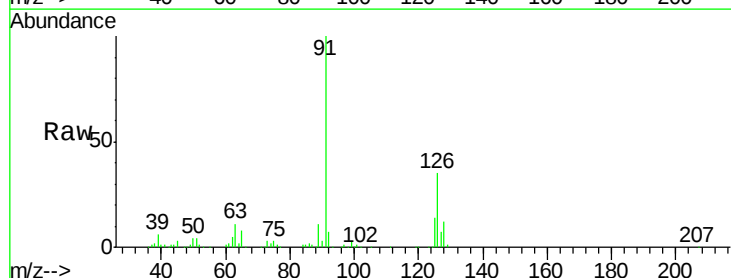
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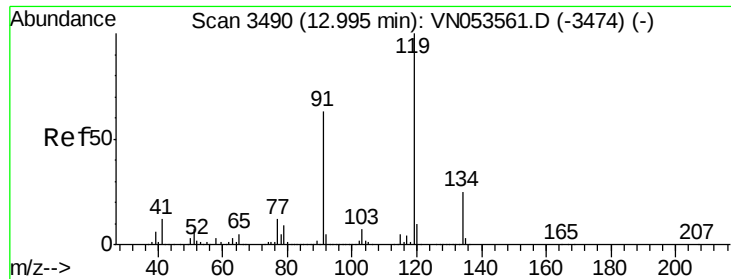
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#82
4-Chlorotoluene
Concen: 19.834 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN053577.D
Acq: 1 Feb 2019 15:35

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.6	52.9





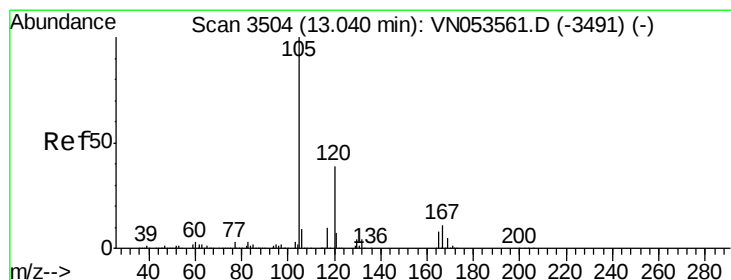
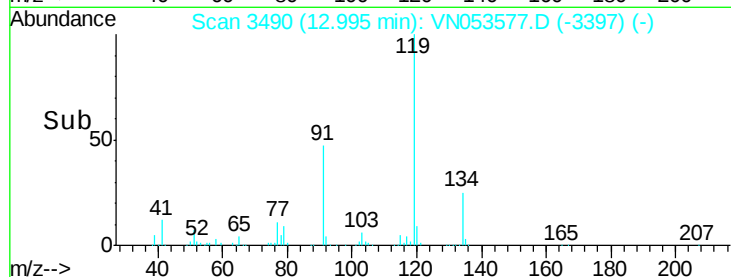
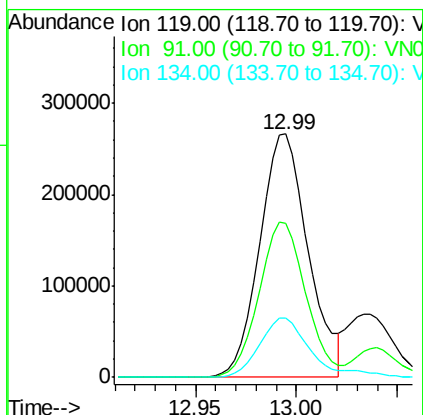
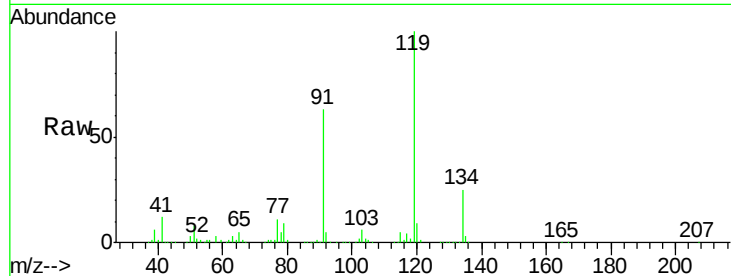
#83
 tert-Butylbenzene
 Concen: 20.678 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053577.D
 Acq: 1 Feb 2019 15:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0201WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	445795		
91	61.3	31.3	93.8	
134	26.0	12.9	38.7	

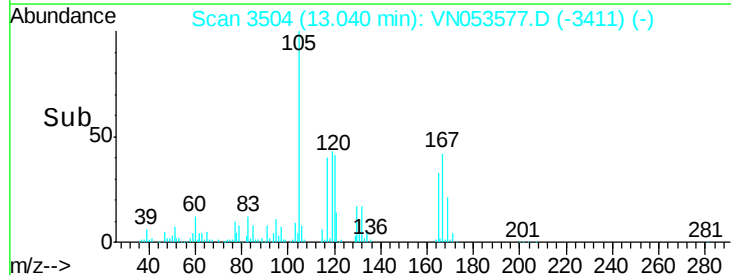
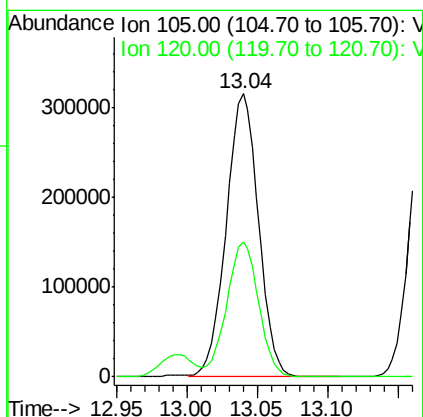
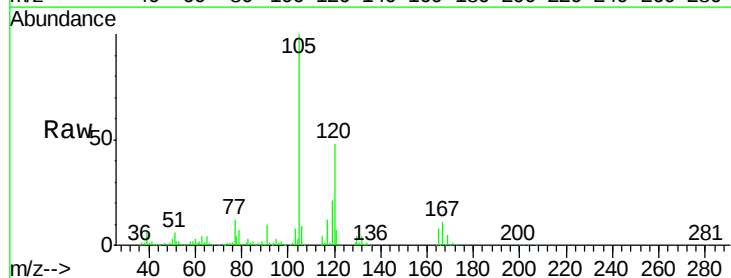
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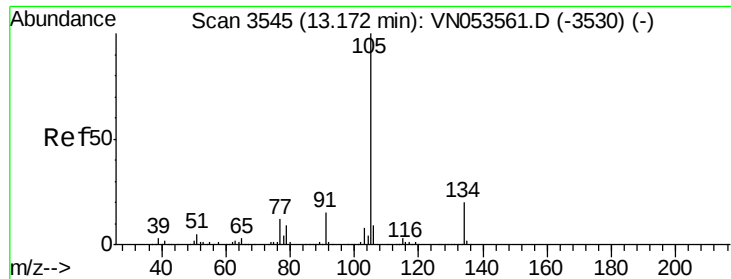
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.230 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053577.D
 Acq: 1 Feb 2019 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	502746		
120	47.2	23.0	69.0	





#85

sec-Butylbenzene

Concen: 20.381 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053577.D

Acq: 1 Feb 2019 15:35

Instrument :

MSVOA_N

ClientSampled :

VN0201WBS01

Tgt Ion:105 Resp: 597920

Ion Ratio Lower Upper

105 100

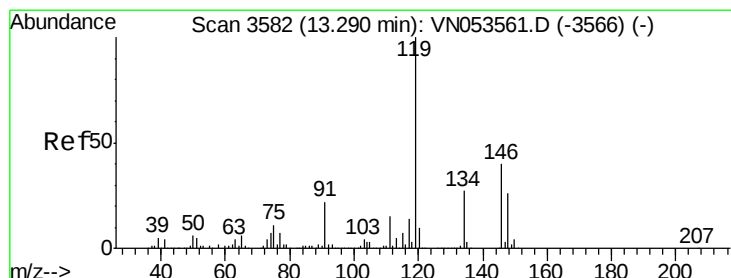
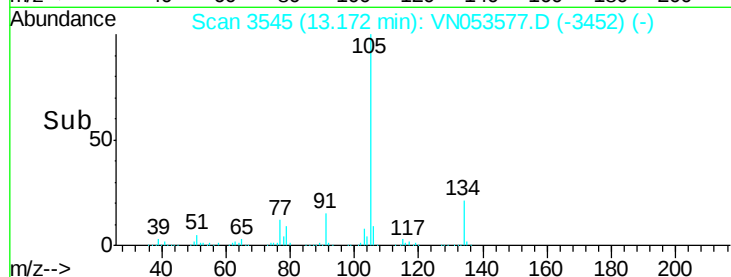
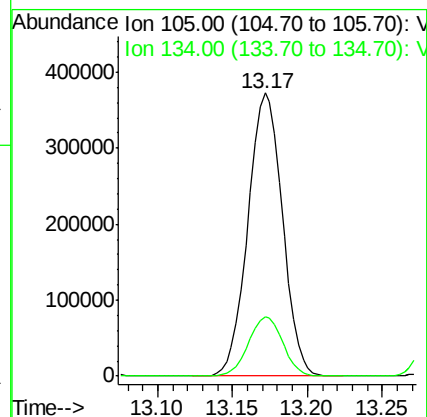
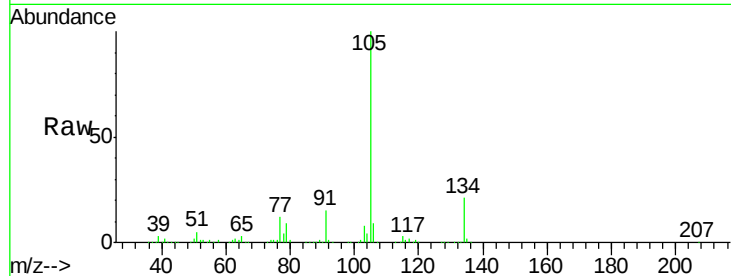
134 20.9 10.2 30.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.080 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053577.D

Acq: 1 Feb 2019 15:35

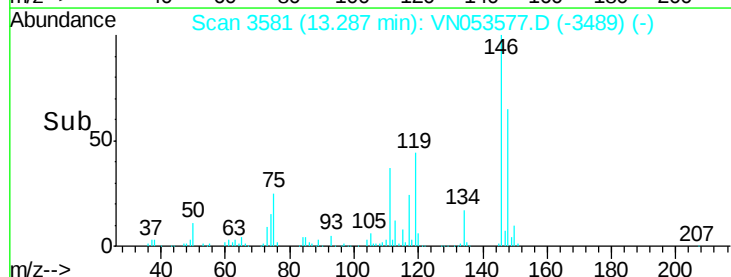
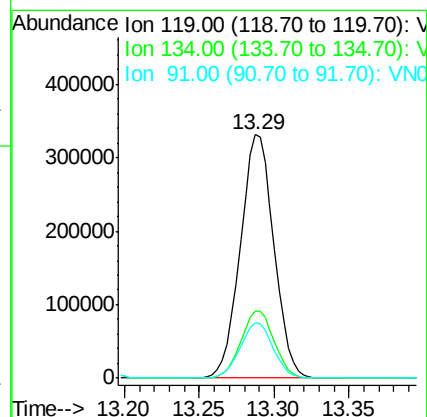
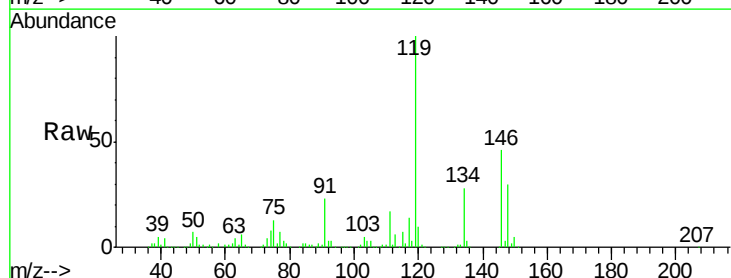
Tgt Ion:119 Resp: 515229

Ion Ratio Lower Upper

119 100

134 27.5 13.5 40.4

91 22.2 11.0 33.0





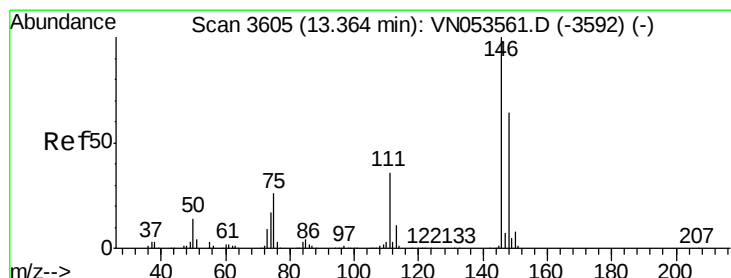
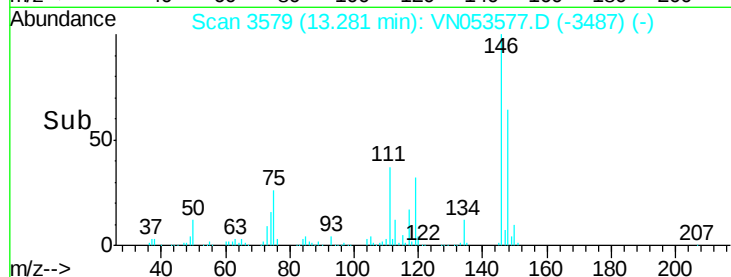
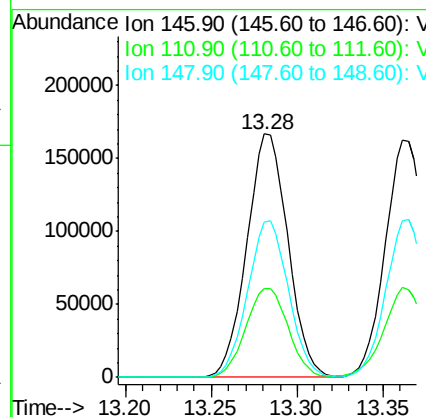
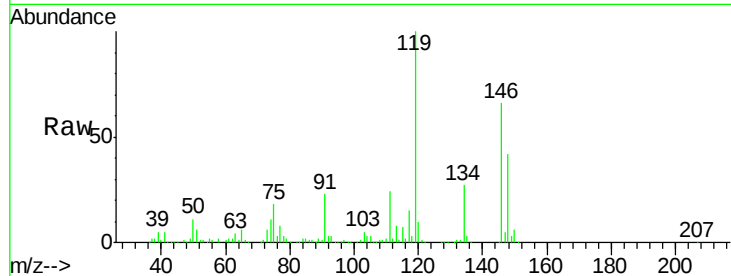
#87
 1,3-Dichlorobenzene
 Concen: 19.401 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN053577.D
 Acq: 1 Feb 2019 15:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0201WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	276489		
111	37.5	18.8	56.3	
148	63.8	32.0	96.2	

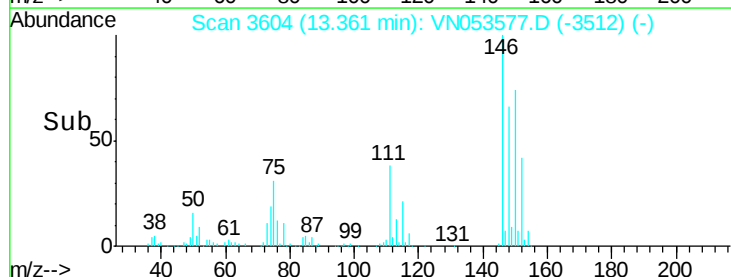
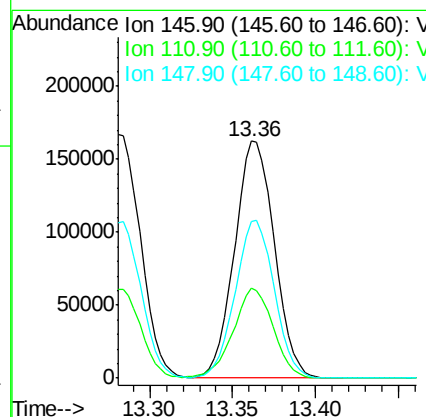
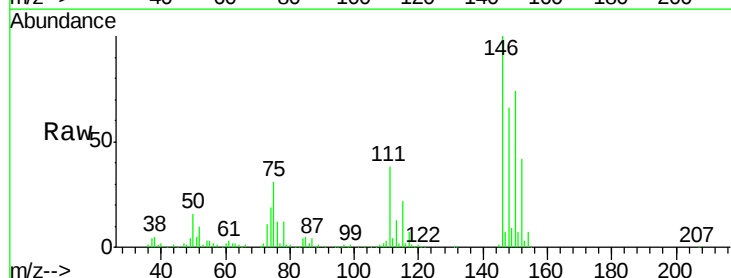
Manual Integrations
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#88
 1,4-Dichlorobenzene
 Concen: 19.242 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN053577.D
 Acq: 1 Feb 2019 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	271265		
111	38.2	18.6	55.8	
148	65.6	32.4	97.0	





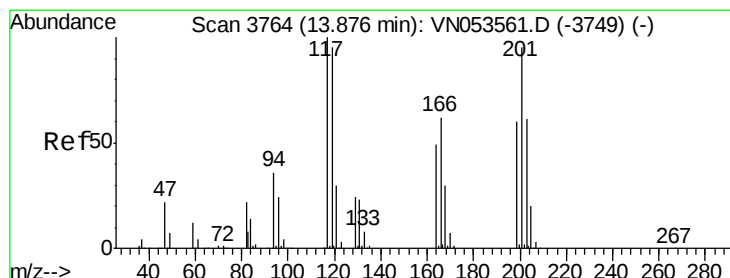
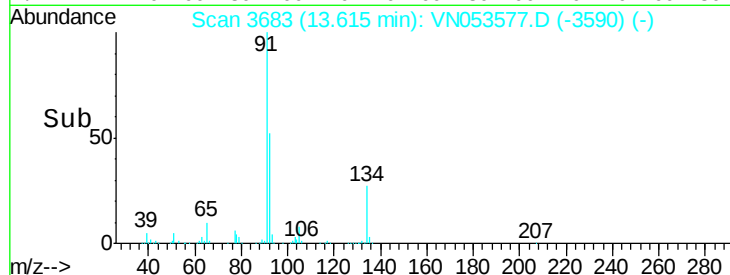
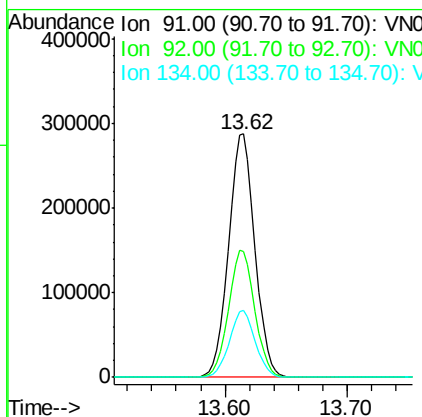
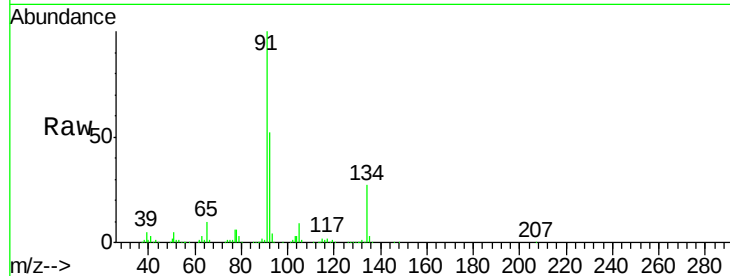
#89
n-Butylbenzene
Concen: 19.485 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053577.D
Acq: 1 Feb 2019 15:35

Instrument :
MSVOA_N
ClientSampleId :
VN0201WBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.3	78.8
134	27.1	13.5	40.5

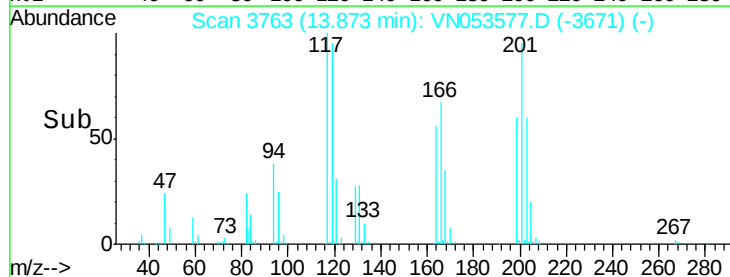
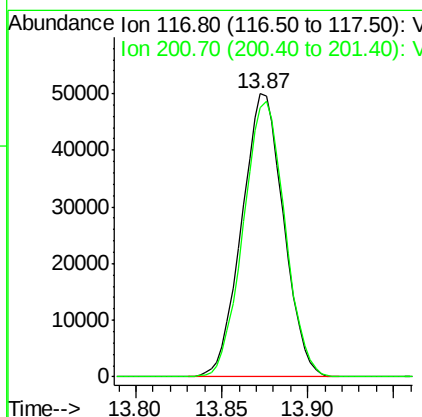
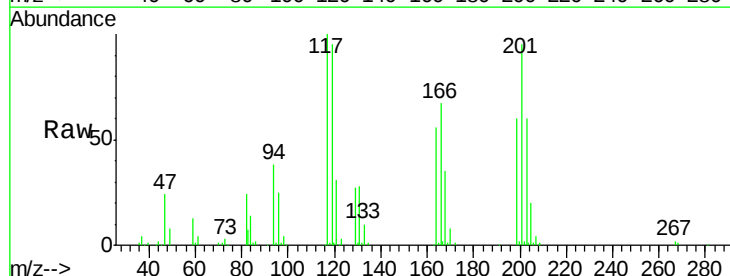
Manual Integrations
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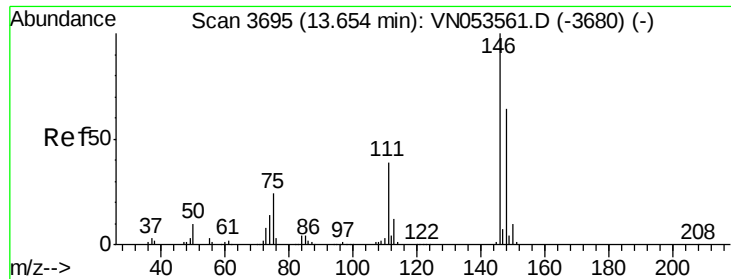
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2/4/2019 9:49:23 AM



#90
Hexachloroethane
Concen: 19.887 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN053577.D
Acq: 1 Feb 2019 15:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.8	46.8	140.4





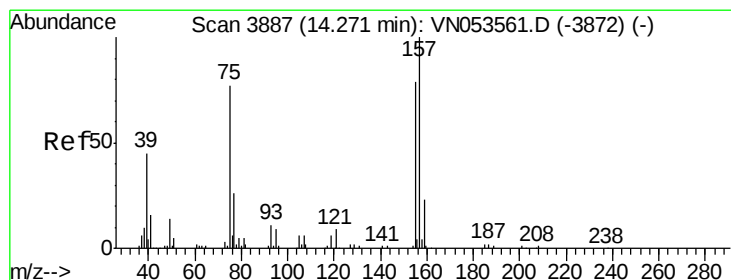
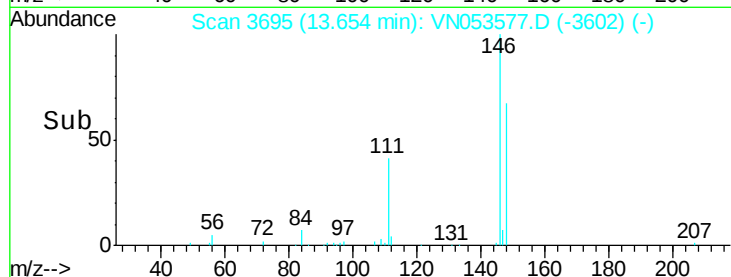
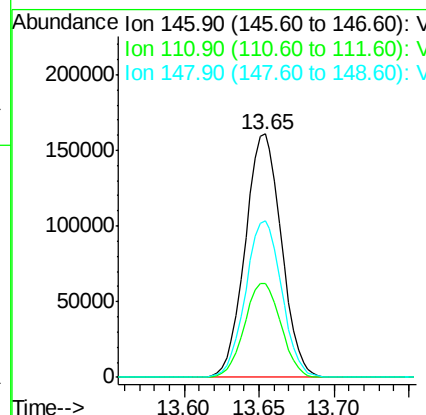
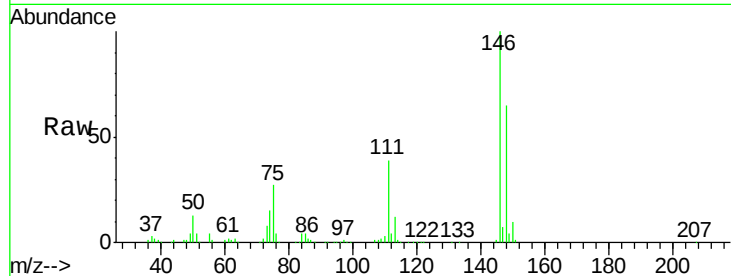
#91
 1,2-Dichlorobenzene
 Concen: 19.863 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053577.D
 Acq: 1 Feb 2019 15:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0201WBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.5	58.5
148	64.1	31.9	95.9

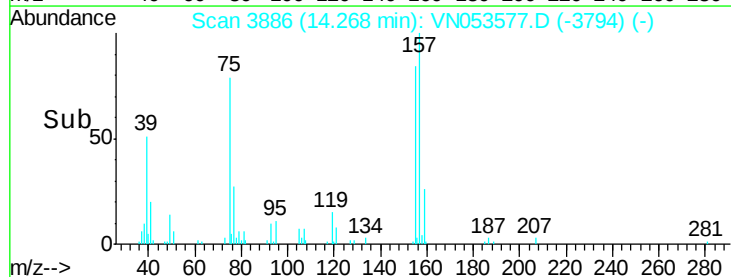
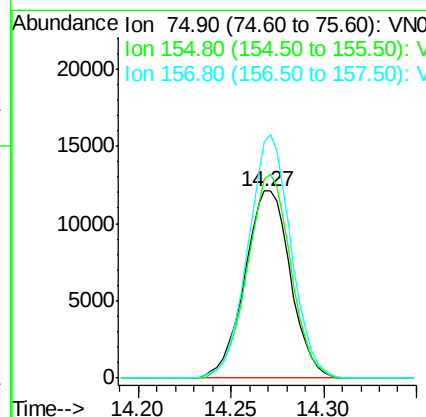
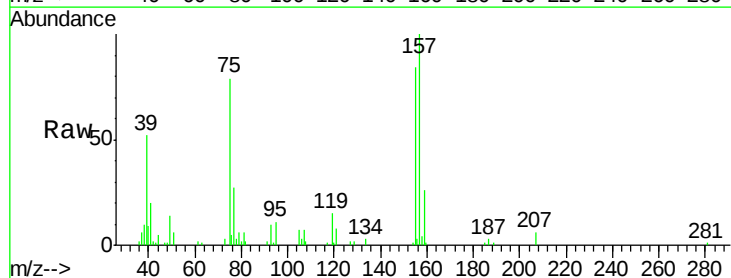
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.724 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053577.D
 Acq: 1 Feb 2019 15:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.1	48.9	146.7
157	122.0	63.7	191.3





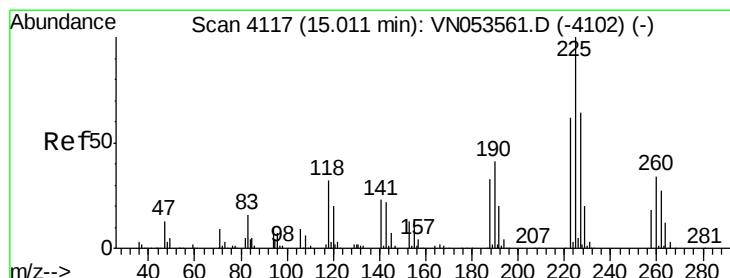
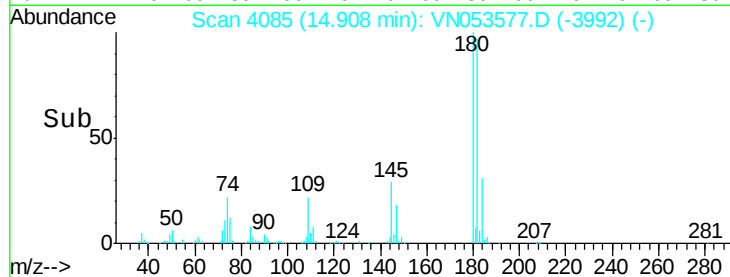
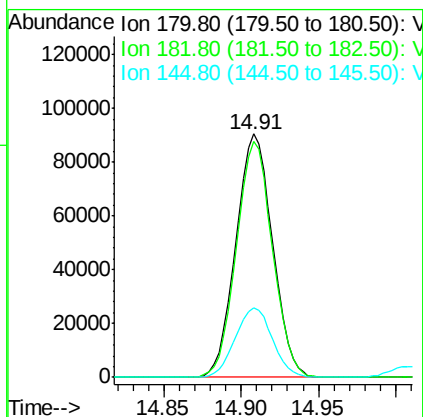
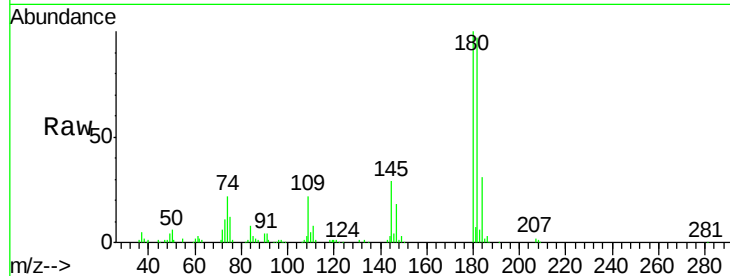
#93
 1,2,4-Trichlorobenzene
 Concen: 19.012 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053577.D
 Acq: 1 Feb 2019 15:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0201WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	148771		
182	95.3	48.1	144.3	
145	28.9	13.9	41.6	

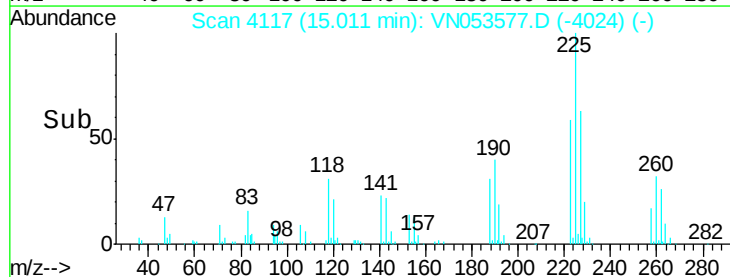
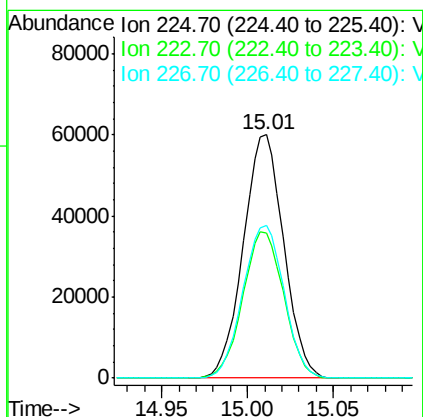
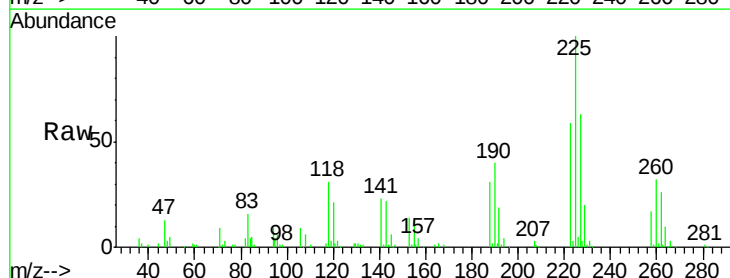
Manual Integrations
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#94
 Hexachlorobutadiene
 Concen: 20.098 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053577.D
 Acq: 1 Feb 2019 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	97941		
223	60.6	31.1	93.2	
227	63.7	32.0	96.2	





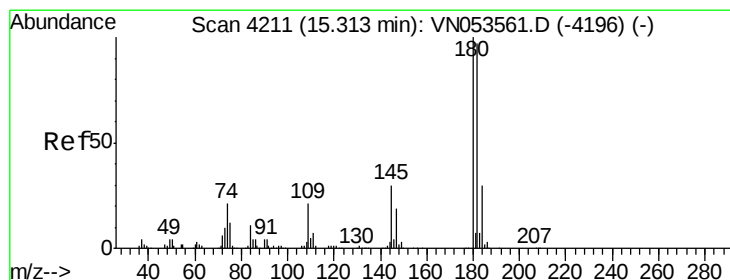
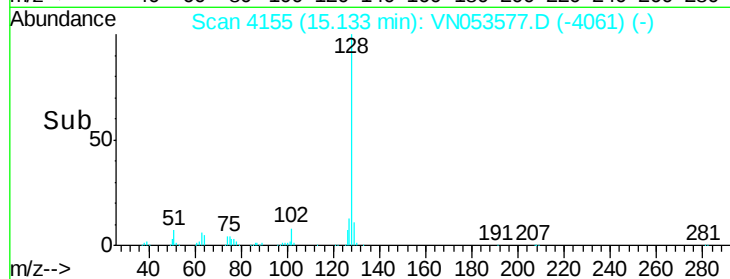
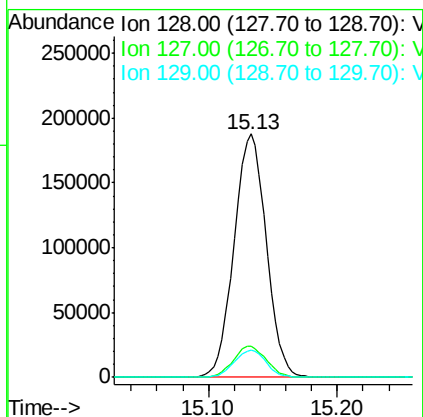
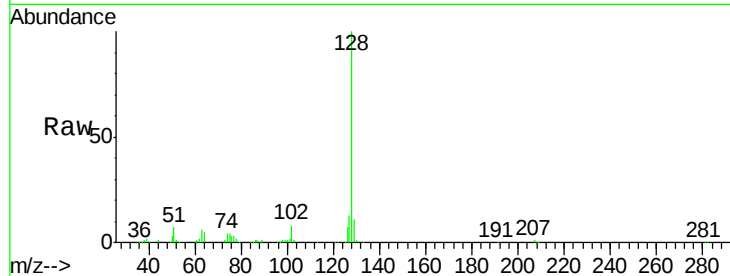
#95
Naphthalene
Concen: 18.881 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053577.D
Acq: 1 Feb 2019 15:35

Instrument :
MSVOA_N
ClientSampleId :
VN0201WBS01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	11.1	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.795 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN053577.D
Acq: 1 Feb 2019 15:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.1	47.9	143.8
145	29.7	14.7	44.1

