

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN013019\
 Data File : VN053562.D
 Acq On : 30 Jan 2019 10:39
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 2/1/2019 9:18:29 AM

Quant Time: Jan 30 11:02:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 30 10:45:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	719516	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1072924	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	966800	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	478403	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	716120	99.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	198.00%	
35) Dibromofluoromethane	7.59	113	693186	103.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	206.68%	
50) Toluene-d8	10.09	98	2637276	106.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	212.28%	
62) 4-Bromofluorobenzene	12.40	95	898305	110.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	221.94%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	829434	117.985	ug/l	100
3) Chloromethane	2.06	50	891215	107.650	ug/l	99
4) Vinyl Chloride	2.19	62	866546	106.618	ug/l	100
5) Bromomethane	2.57	94	544597	100.810	ug/l	99
6) Chloroethane	2.71	64	483215	102.950	ug/l	98
7) Trichlorofluoromethane	3.02	101	1130364	100.265	ug/l	99
8) Diethyl Ether	3.41	74	420079	103.346	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	694606	99.082	ug/l	99
10) Methyl Iodide	3.95	142	1143192	108.408	ug/l	100
11) Tert butyl alcohol	4.78	59	227334	561.985	ug/l	99
12) 1,1-Dichloroethene	3.74	96	683562	103.682	ug/l	99
13) Acrolein	3.61	56	157301	1203.007	ug/l	98
14) Allyl chloride	4.33	41	1107610	106.672	ug/l	99
15) Acrylonitrile	4.99	53	1219670	545.419	ug/l	99
16) Acetone	3.82	43	875328	460.402	ug/l	99
17) Carbon Disulfide	4.06	76	2131560	104.090	ug/l	100
18) Methyl Acetate	4.32	43	533874	96.351	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	1795269	109.573	ug/l	99
20) Methylene Chloride	4.55	84	751507	95.022	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	727652	101.336	ug/l	99
22) Diisopropyl ether	5.95	45	2103724	111.212	ug/l	98
23) Vinyl Acetate	5.90	43	7495220	580.653	ug/l	99
24) 1,1-Dichloroethane	5.85	63	1310079	99.535	ug/l	100
25) 2-Butanone	6.83	43	1365537	526.896	ug/l	99
26) 2,2-Dichloropropane	6.83	77	1010509	101.372	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	816787	103.109	ug/l	99
28) Bromochloromethane	7.19	49	564944	98.395	ug/l	96
29) Tetrahydrofuran	7.21	42	897487	545.447	ug/l	99
30) Chloroform	7.37	83	1287518	98.092	ug/l	100
31) Cyclohexane	7.65	56	1232409	85.788	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	1108667	103.631	ug/l	99
36) 1,1-Dichloropropene	7.79	75	1022056	108.258	ug/l	99
37) Ethyl Acetate	6.93	43	590499	114.510	ug/l	98
38) Carbon Tetrachloride	7.77	117	1006993	104.453	ug/l	100

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1260003	114.864	ug/l	99
40) Benzene	8.04	78	3066404	103.727	ug/l	99
41) Methacrylonitrile	7.18	41	352610	127.768	ug/l	96
42) 1,2-Dichloroethane	8.12	62	898486	101.456	ug/l	99
43) Isopropyl Acetate	8.16	43	1090165	106.456	ug/l	100
44) Trichloroethene	8.84	130	866352	102.445	ug/l	98
45) 1,2-Dichloropropane	9.12	63	786690	104.557	ug/l	99
46) Dibromomethane	9.21	93	466720	101.575	ug/l	98
47) Bromodichloromethane	9.40	83	988347	104.902	ug/l	98
48) Methyl methacrylate	9.20	41	534480	111.789	ug/l	96
49) 1,4-Dioxane	9.20	88	146600	2571.944	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	2845048	587.270	ug/l	100
52) Toluene	10.16	92	1870263	108.514	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	1060683	117.570	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	1211238	110.701	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	664678	105.990	ug/l	99
56) Ethyl methacrylate	10.43	69	863531	124.059	ug/l	99
57) 1,3-Dichloropropane	10.71	76	1130451	105.458	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	2399777	612.180	ug/l	99
59) 2-Hexanone	10.75	43	1920300	584.433	ug/l	99
60) Dibromochloromethane	10.90	129	777198	112.656	ug/l	100
61) 1,2-Dibromoethane	11.01	107	662318	107.620	ug/l	100
64) Tetrachloroethene	10.63	164	827002	98.896	ug/l	99
65) Chlorobenzene	11.44	112	2081864	101.844	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	743093	105.377	ug/l	99
67) Ethyl Benzene	11.51	91	3530158	106.981	ug/l	100
68) m/p-Xylenes	11.62	106	2744088	219.229	ug/l	99
69) o-Xylene	11.95	106	1320242	109.096	ug/l	99
70) Styrene	11.97	104	2194250	113.412	ug/l	100
71) Bromoform	12.13	173	543909	117.384	ug/l #	99
73) Isopropylbenzene	12.25	105	3398050	101.263	ug/l	100
74) N-amyl acetate	12.07	43	885925	115.497	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	794374	97.696	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	611283m	99.407	ug/l	
77) Bromobenzene	12.53	156	923908	102.690	ug/l	99
78) n-propylbenzene	12.59	91	4015500	104.644	ug/l	99
79) 2-Chlorotoluene	12.68	91	2324773	101.028	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2911931	106.436	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	236522	114.777	ug/l	98
82) 4-Chlorotoluene	12.77	91	2432104	103.912	ug/l	100
83) tert-Butylbenzene	12.99	119	2496116	101.563	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2994459	107.728	ug/l	100
85) sec-Butylbenzene	13.17	105	3441348	103.559	ug/l	100
86) p-Isopropyltoluene	13.29	119	3074620	107.224	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1648588	101.459	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1641415	102.461	ug/l	99
89) n-Butylbenzene	13.62	91	2713570	110.581	ug/l	100
90) Hexachloroethane	13.88	117	497171	105.076	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	1590689	101.934	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	119794	106.257	ug/l	98

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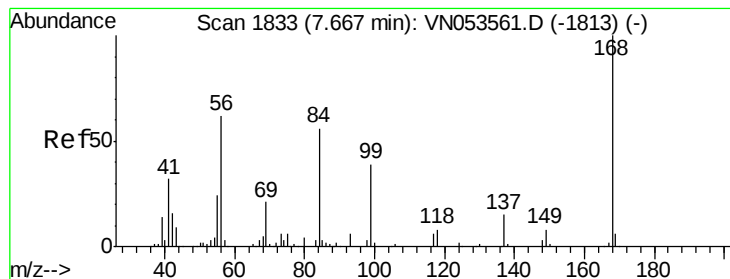
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	999015	117.987	ug/l	100
94) Hexachlorobutadiene	15.01	225	555180	97.594	ug/l	99
95) Naphthalene	15.13	128	2149961	129.719	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	905791	114.202	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053562.D

Acq: 30 Jan 2019 10:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 168 Resp: 719516

Ion Ratio Lower Upper

168 100

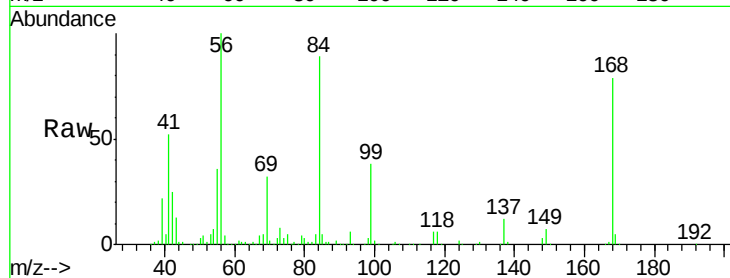
99 47.7 39.1 58.7

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

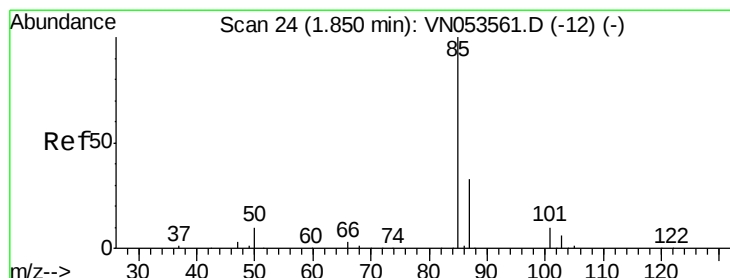
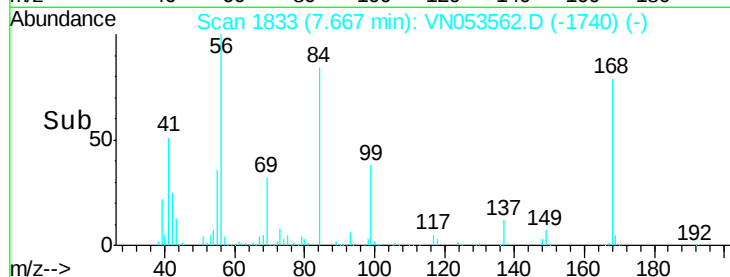
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 117.985 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053562.D

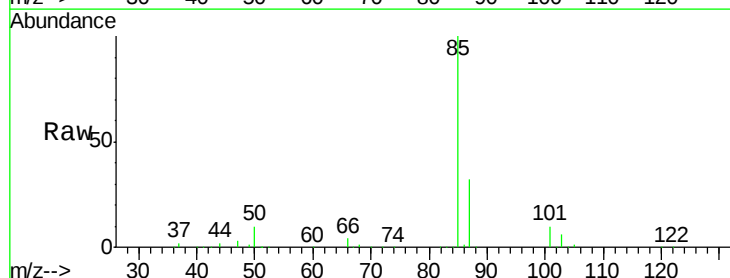
Acq: 30 Jan 2019 10:39

Tgt Ion: 85 Resp: 829434

Ion Ratio Lower Upper

85 100

87 32.5 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

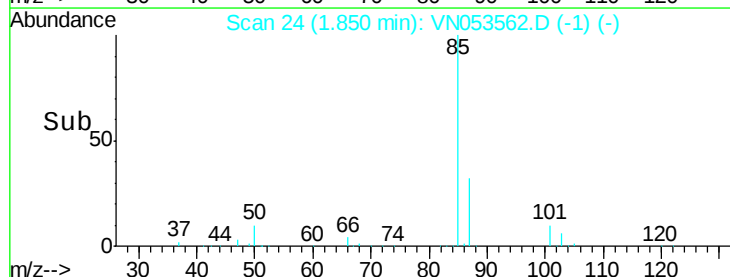
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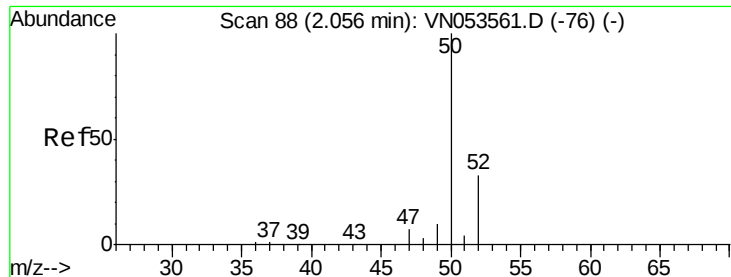
400000

200000

0

Time-->





#3

Chloromethane

Concen: 107.650 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053562.D

Acq: 30 Jan 2019 10:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 50 Resp: 891215

Ion Ratio Lower Upper

50 100

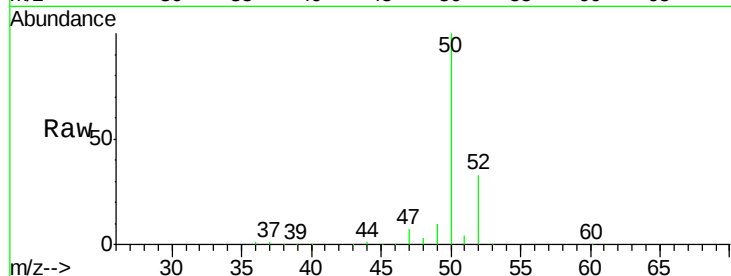
52 32.9 26.6 40.0

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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

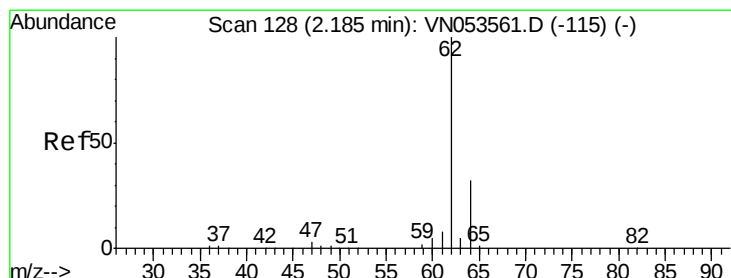
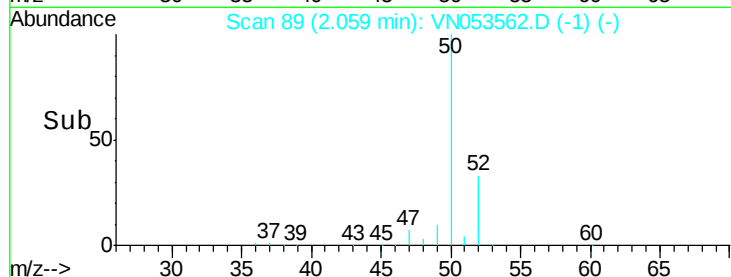
600000

400000

200000

0

Time-->



#4

Vinyl Chloride

Concen: 106.618 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053562.D

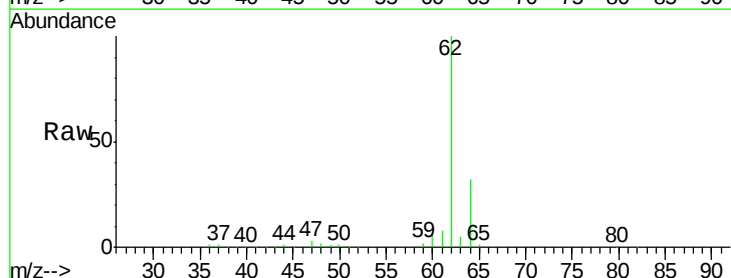
Acq: 30 Jan 2019 10:39

Tgt Ion: 62 Resp: 866546

Ion Ratio Lower Upper

62 100

64 31.6 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.19

600000

500000

400000

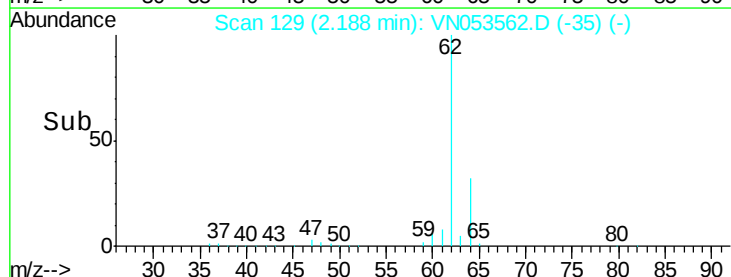
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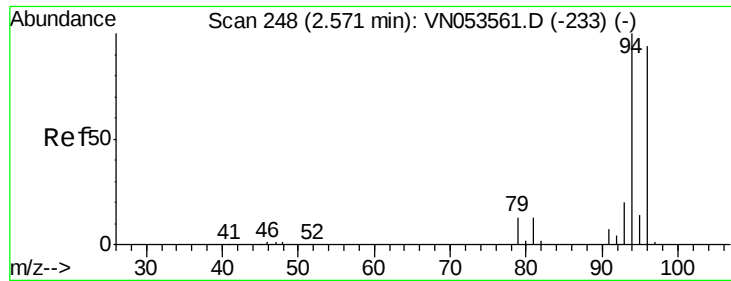
200000

100000

0

Time-->





#5

Bromomethane

Concen: 100.810 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.00 min

Lab File: VN053562.D

Acq: 30 Jan 2019 10:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 94 Resp: 544597

Ion Ratio Lower Upper

94 100

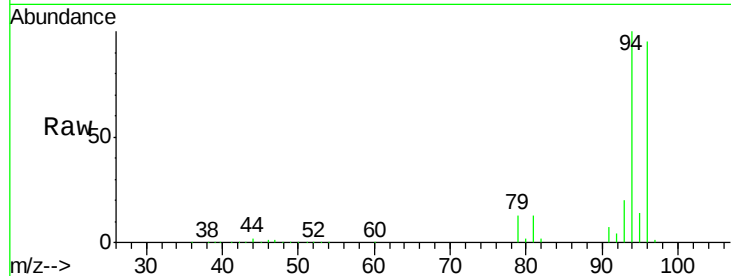
96 95.2 76.8 115.2

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.57

300000

250000

200000

150000

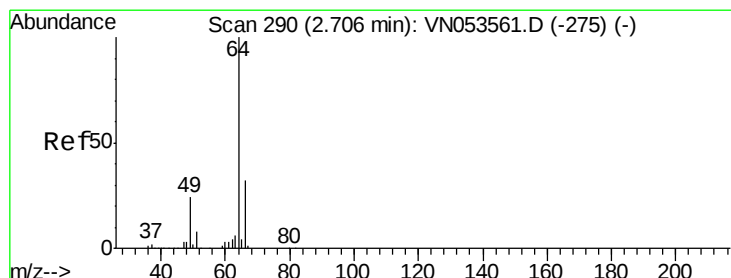
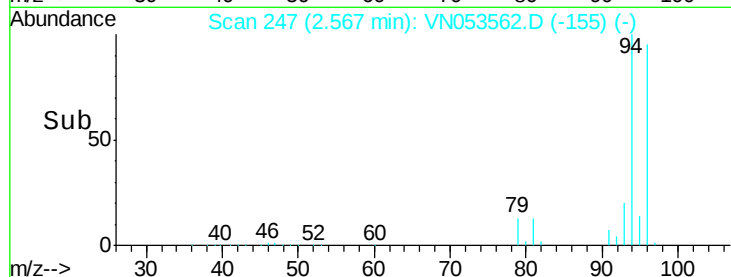
100000

50000

0

Time-->

2.50 2.60 2.70



#6

Chloroethane

Concen: 102.950 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN053562.D

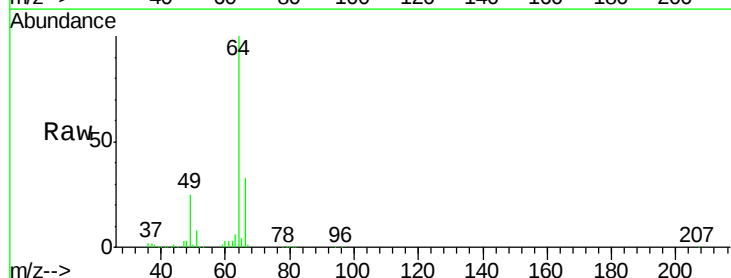
Acq: 30 Jan 2019 10:39

Tgt Ion: 64 Resp: 483215

Ion Ratio Lower Upper

64 100

66 32.8 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.71

250000

200000

150000

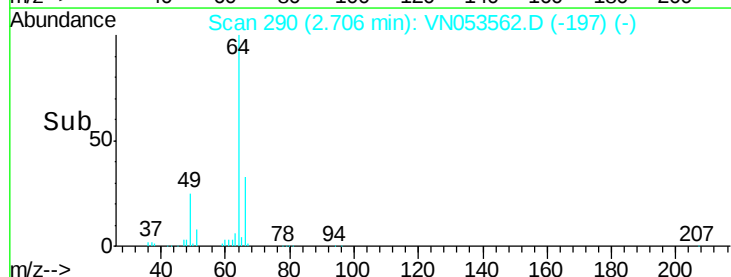
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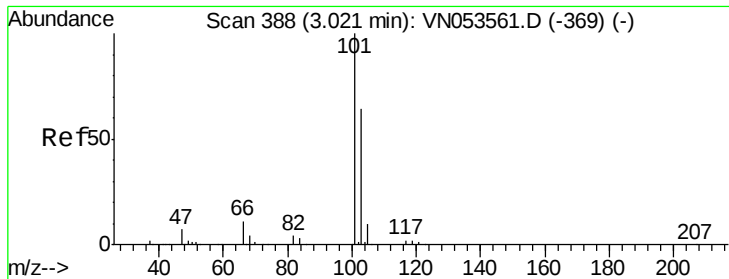
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Time-->

2.60 2.70 2.80





#7

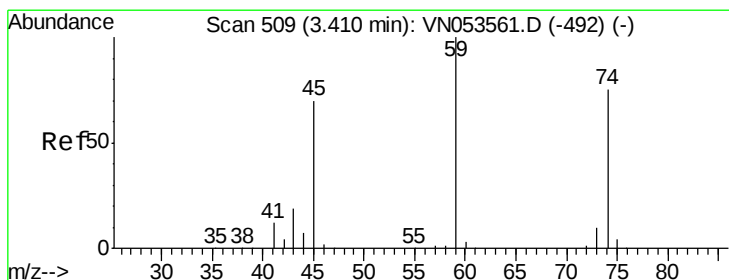
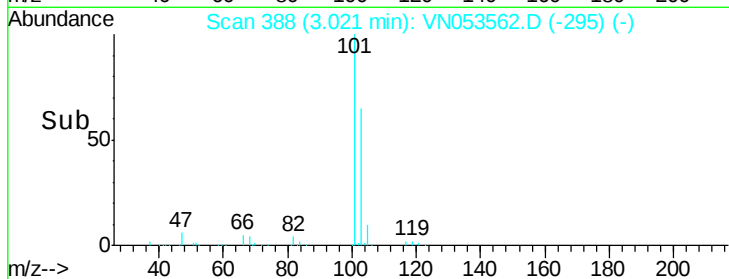
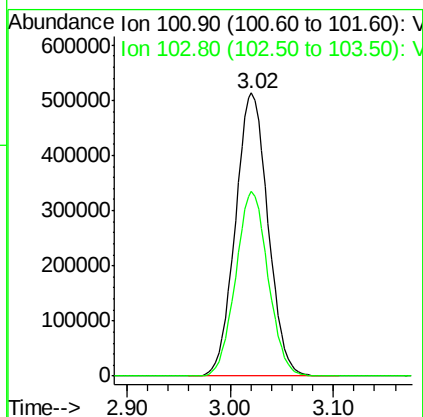
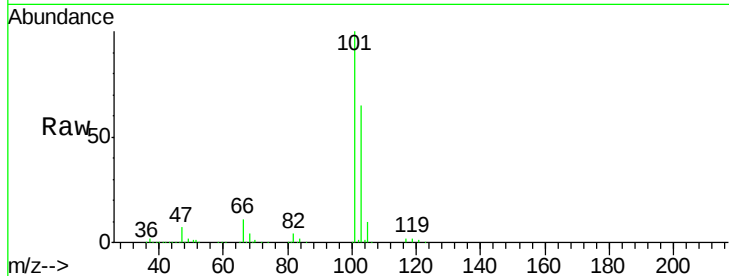
Trichlorofluoromethane
Concen: 100.265 ug/l
RT: 3.02 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN053562.D
Acq: 30 Jan 2019 10:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion:101 Resp: 1130364
Ion Ratio Lower Upper
101 100
103 65.1 51.6 77.4

Manual Integrations
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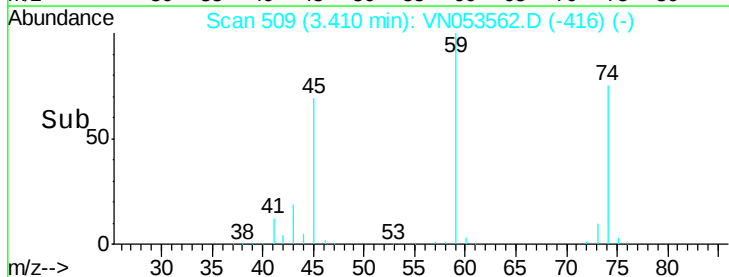
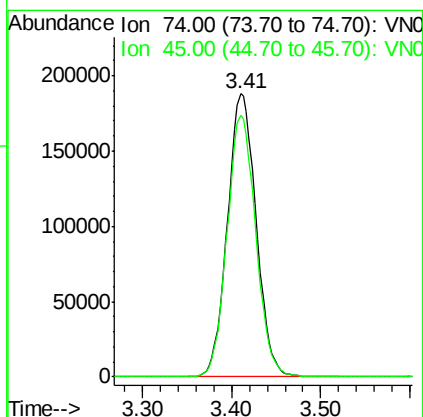
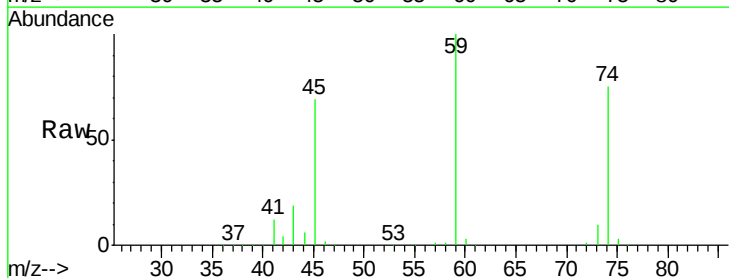
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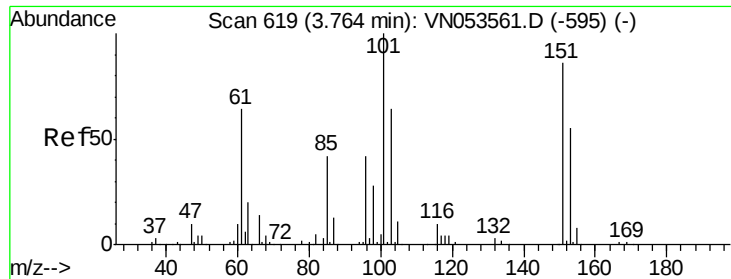


#8

Diethyl Ether
Concen: 103.346 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN053562.D
Acq: 30 Jan 2019 10:39

Tgt Ion: 74 Resp: 420079
Ion Ratio Lower Upper
74 100
45 91.9 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 99.082 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053562.D

Acq: 30 Jan 2019 10:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion:101 Resp: 694606
Ion Ratio Lower Upper

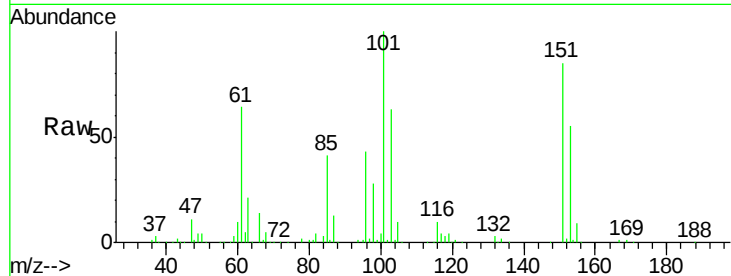
101 100

85 41.2 32.8 49.2

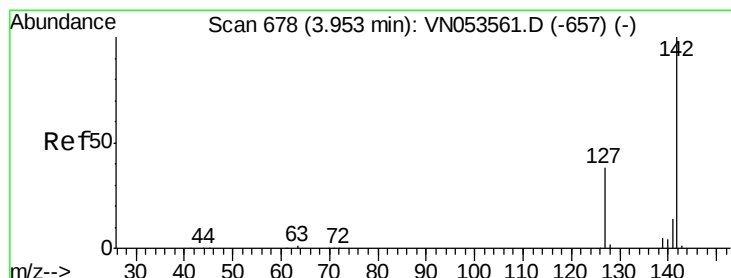
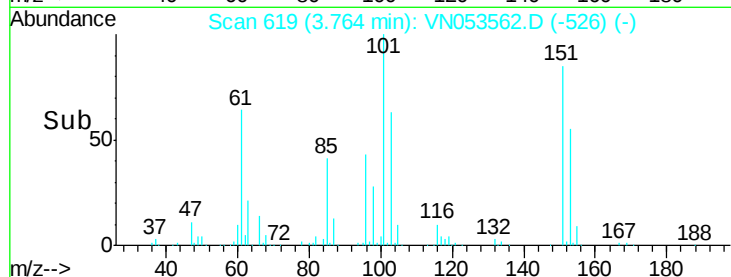
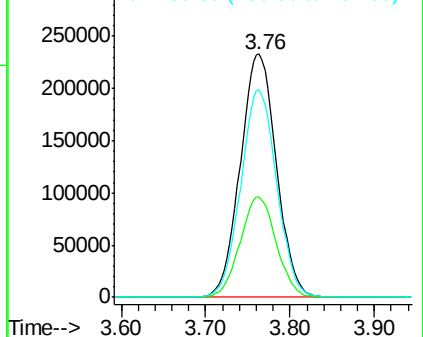
151 85.1 66.9 100.3

Manual Integrations
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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: 108.408 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN053562.D

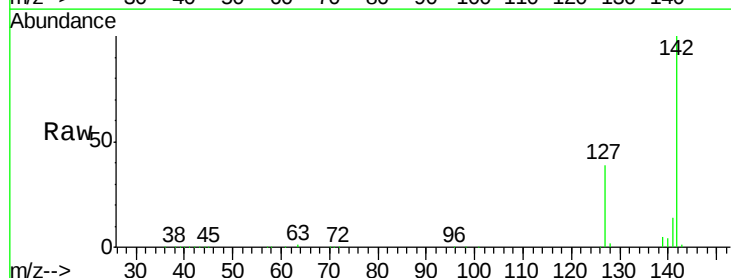
Acq: 30 Jan 2019 10:39

Tgt Ion:142 Resp: 1143192
Ion Ratio Lower Upper

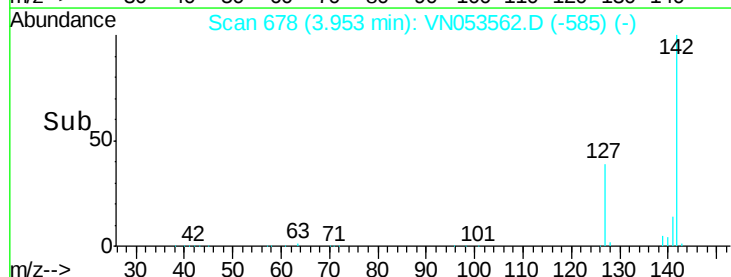
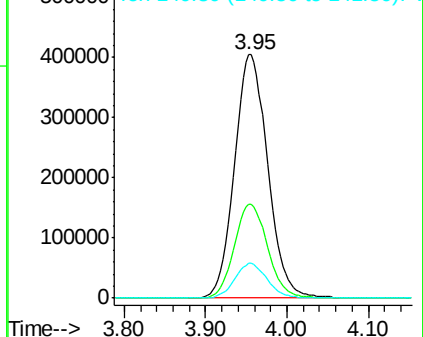
142 100

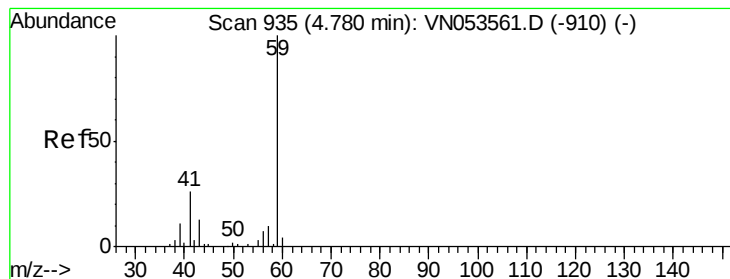
127 38.8 31.0 46.4

141 14.1 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

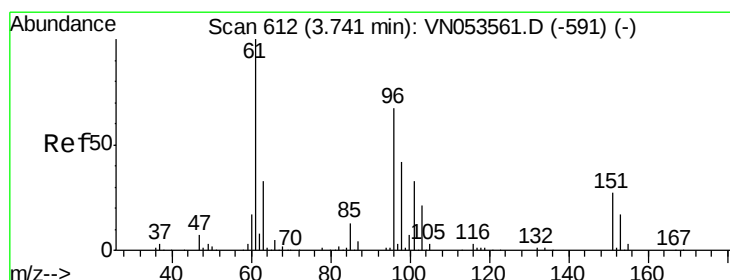
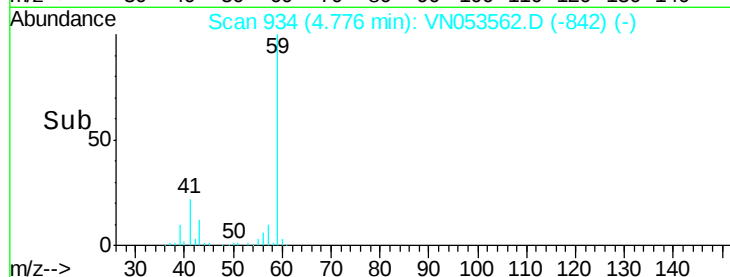
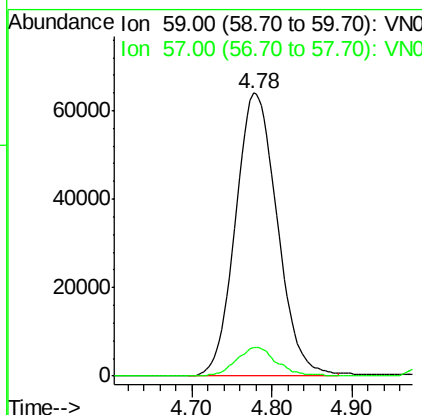
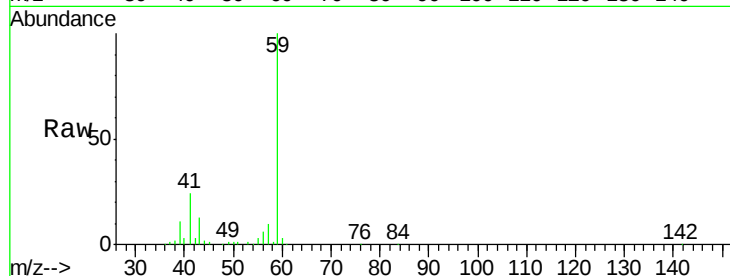
Tert butyl alcohol
 Concen: 561.985 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. -0.00 min
 Lab File: VN053562.D
 Acq: 30 Jan 2019 10:39

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.2	12.4

Manual Integrations
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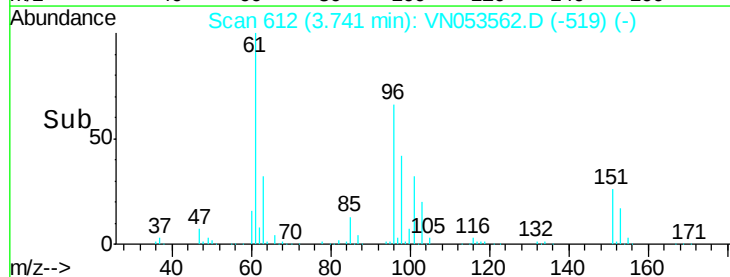
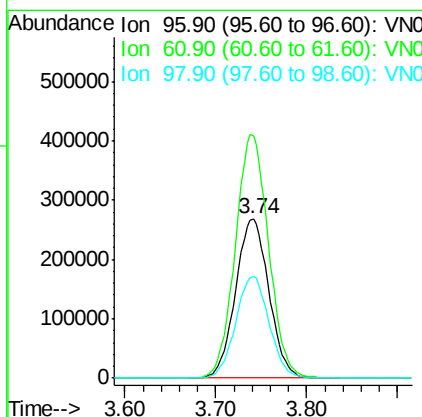
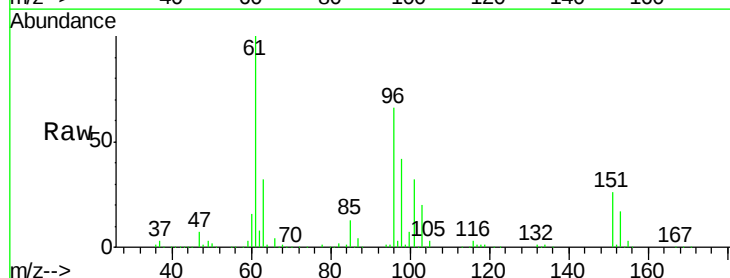
MMDadoda
 2/1/2019 9:18:29 AM

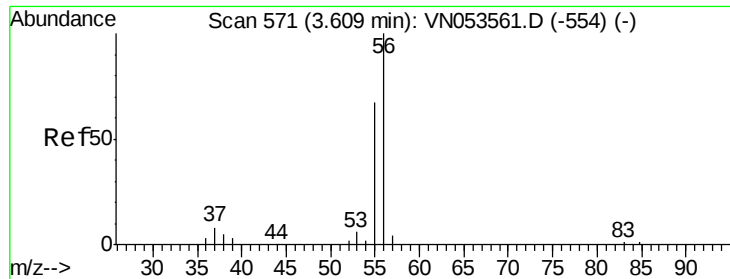


#12

1,1-Dichloroethene
 Concen: 103.682 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN053562.D
 Acq: 30 Jan 2019 10:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.6	122.9	184.3
98	64.2	49.4	74.0





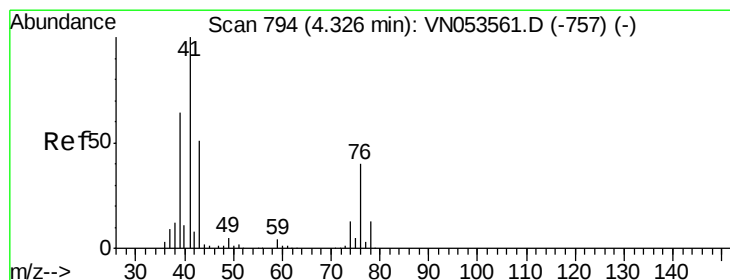
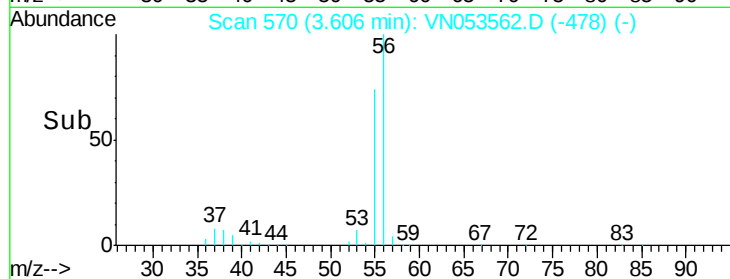
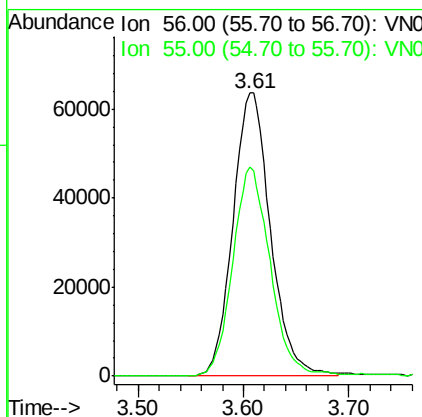
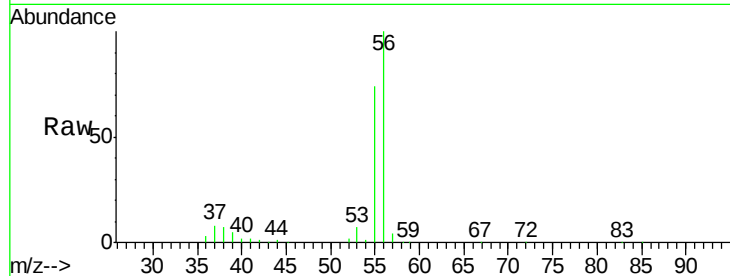
#13
Acrolein
Concen: 1203.007 ug/l
RT: 3.61 min Scan# 570
Delta R.T. -0.00 min
Lab File: VN053562.D
Acq: 30 Jan 2019 10:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
56	100		
55	73.7	57.4	86.0

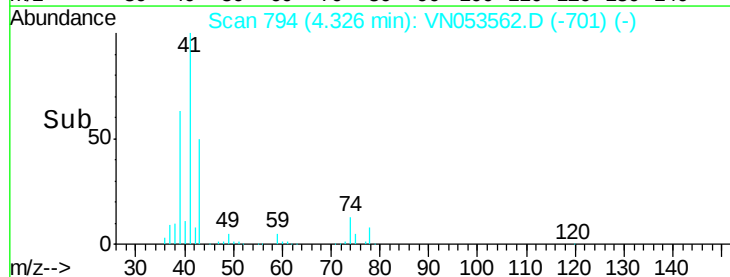
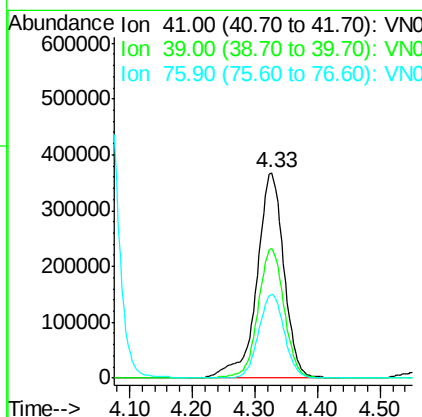
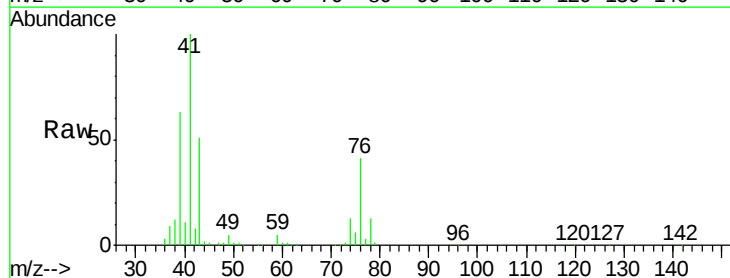
Manual Integrations
APPROVED

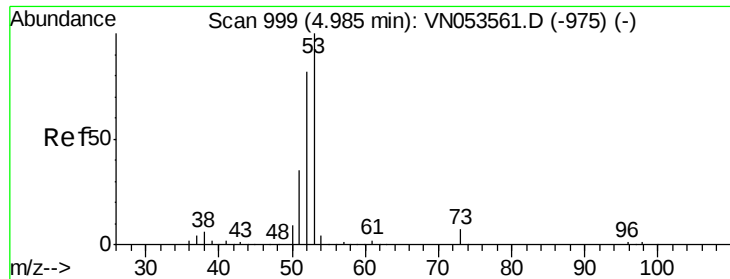
MMDadoda
2/1/2019 9:18:29 AM



#14
Allyl chloride
Concen: 106.672 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053562.D
Acq: 30 Jan 2019 10:39

Tgt Ion	Ratio	Lower	Upper
41	100		
39	60.8	48.9	73.3
76	38.1	29.4	44.2





#15

Acrylonitrile

Concen: 545.419 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053562.D

Acq: 30 Jan 2019 10:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 53 Resp: 1219670

Ion Ratio Lower Upper

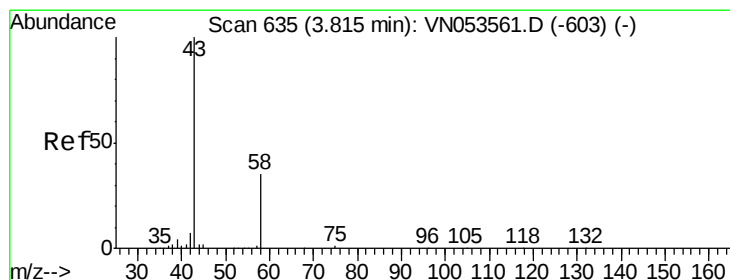
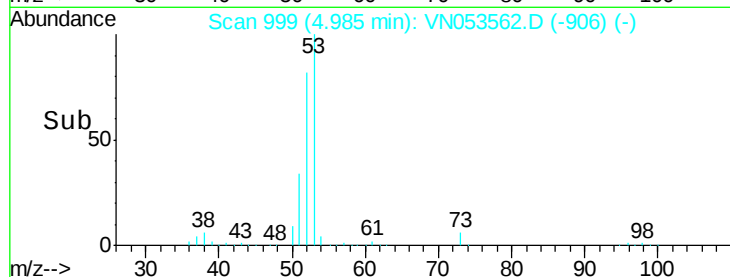
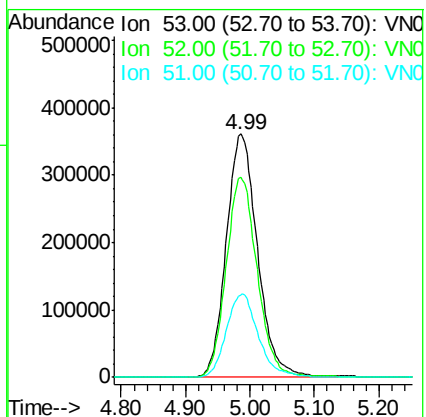
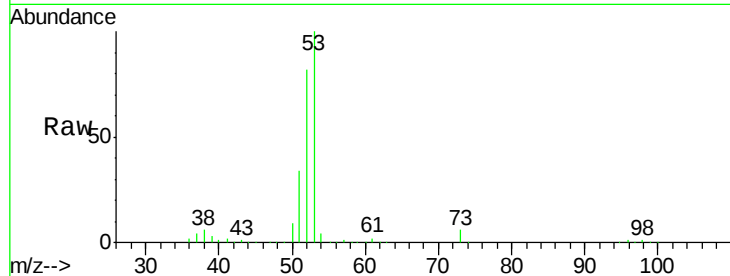
53 100

52 81.7 66.0 99.0

51 35.2 28.3 42.5

Manual Integrations
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#16

Acetone

Concen: 460.402 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053562.D

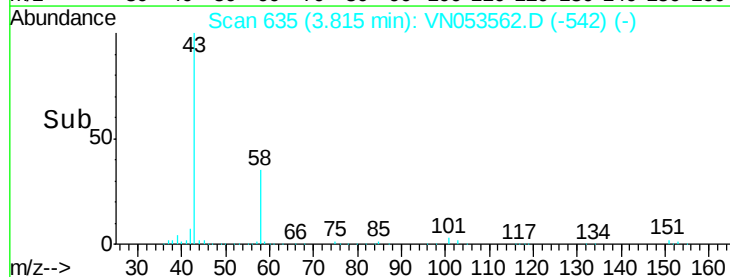
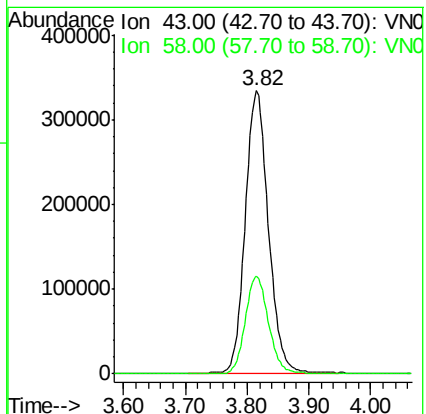
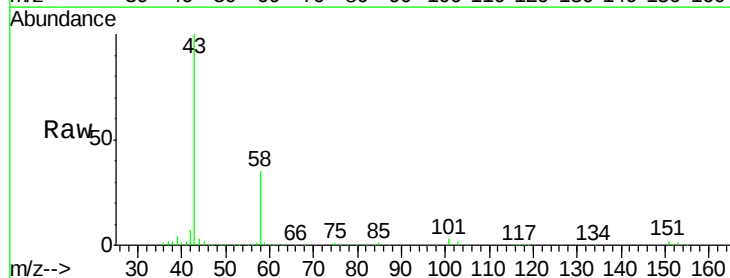
Acq: 30 Jan 2019 10:39

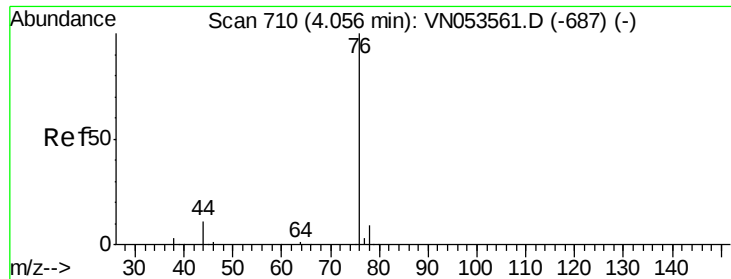
Tgt Ion: 43 Resp: 875328

Ion Ratio Lower Upper

43 100

58 34.5 27.1 40.7





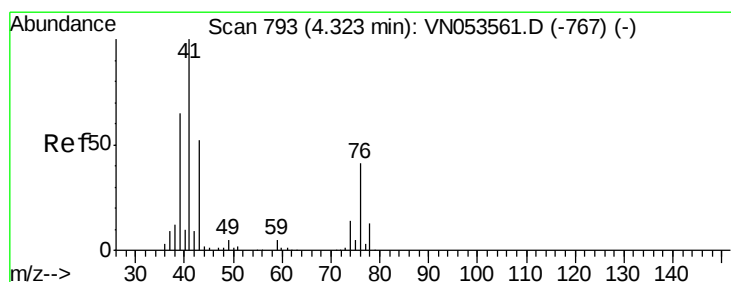
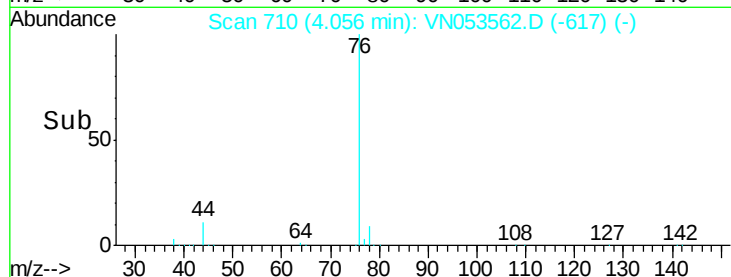
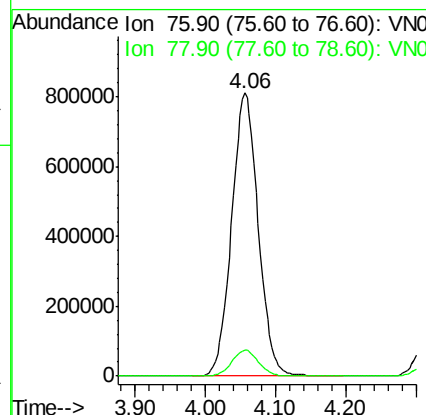
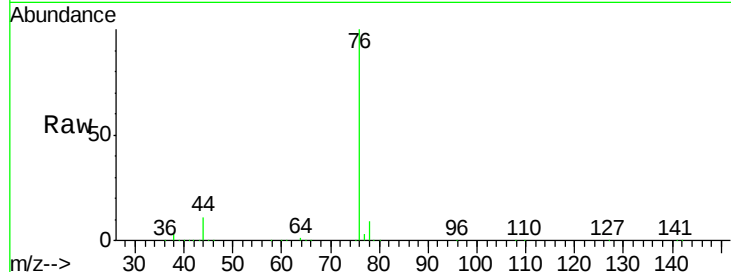
#17
Carbon Disulfide
Concen: 104.090 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN053562.D
Acq: 30 Jan 2019 10:39

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tgt Ion: 76 Resp: 2131560
Ion Ratio Lower Upper
76 100
78 9.3 7.3 10.9

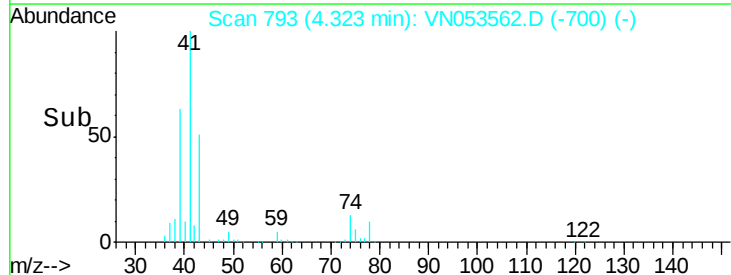
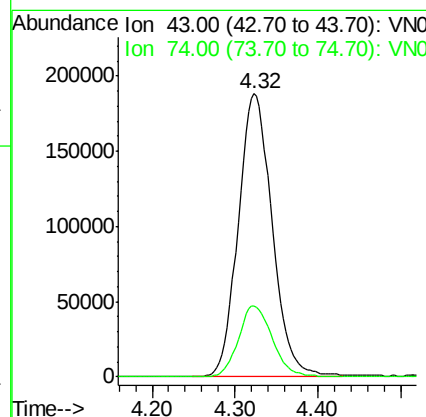
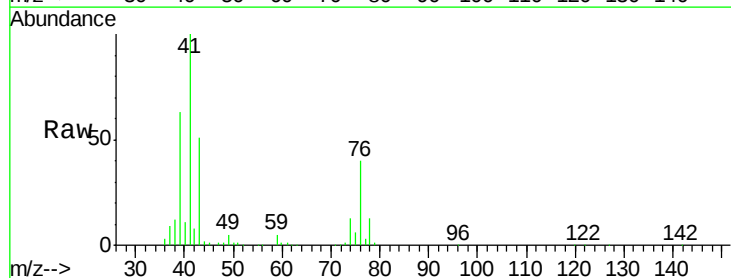
Manual Integrations
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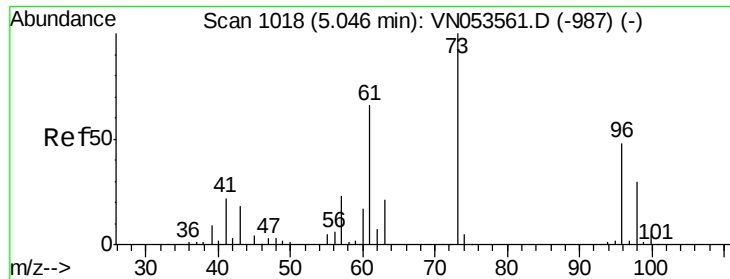
MMDadoda
2/1/2019 9:18:29 AM



#18
Methyl Acetate
Concen: 96.351 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN053562.D
Acq: 30 Jan 2019 10:39

Tgt Ion: 43 Resp: 533874
Ion Ratio Lower Upper
43 100
74 25.2 19.4 29.2





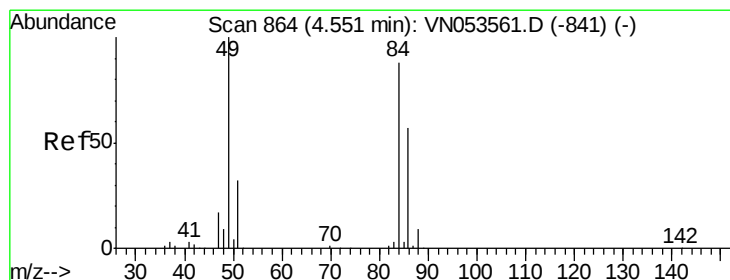
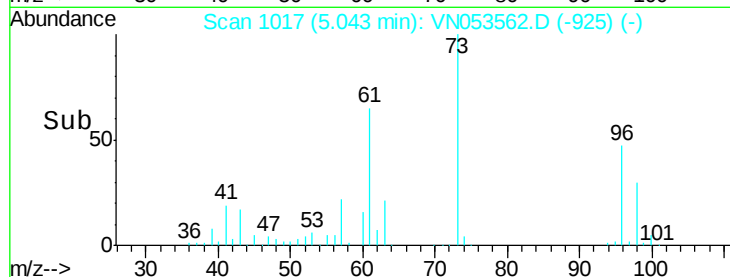
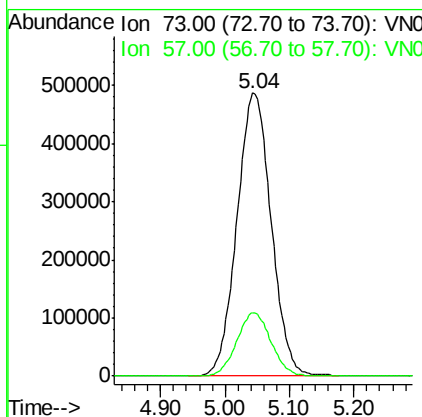
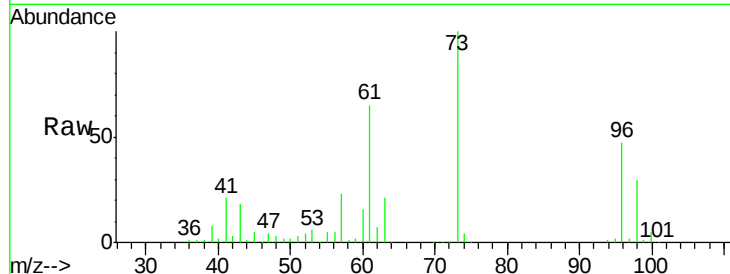
#19
Methyl tert-butyl Ether
Concen: 109.573 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053562.D
Acq: 30 Jan 2019 10:39

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tgt Ion: 73 Resp: 1795269
Ion Ratio Lower Upper
73 100
57 22.5 18.3 27.5

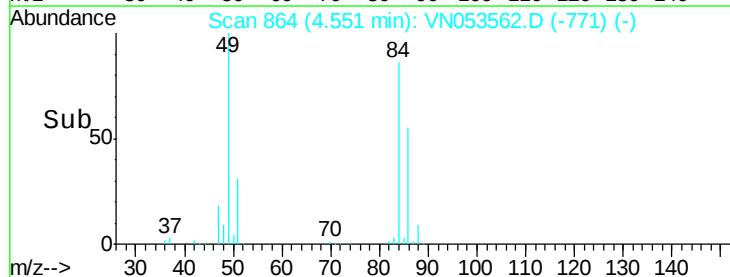
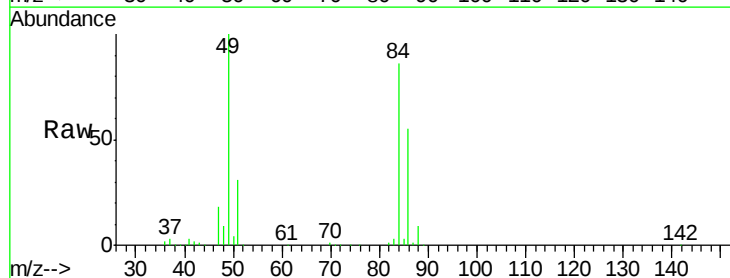
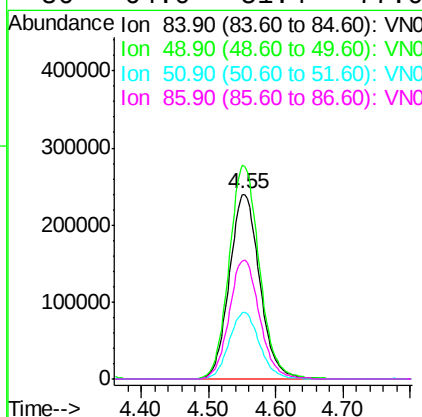
Manual Integrations
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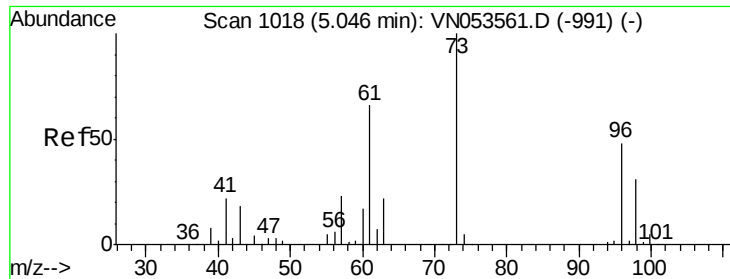
MMDadoda
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#20
Methylene Chloride
Concen: 95.022 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN053562.D
Acq: 30 Jan 2019 10:39

Tgt Ion: 84 Resp: 751507
Ion Ratio Lower Upper
84 100
49 115.6 94.3 141.5
51 35.8 29.4 44.2
86 64.0 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 101.336 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053562.D

Acq: 30 Jan 2019 10:39

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tgt Ion: 96 Resp: 727652
Ion Ratio Lower Upper

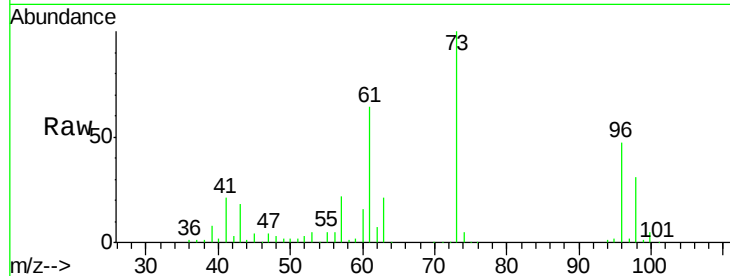
96 100

61 137.2 110.1 165.1

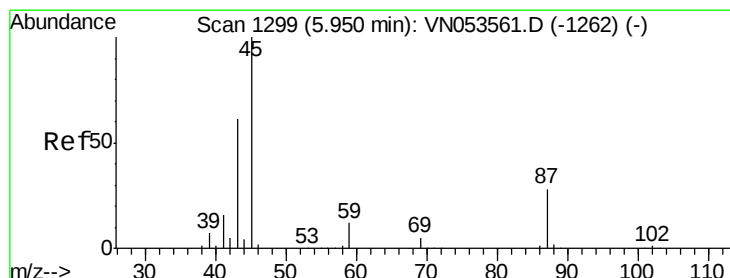
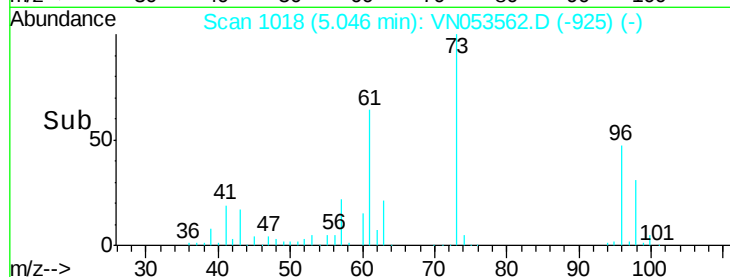
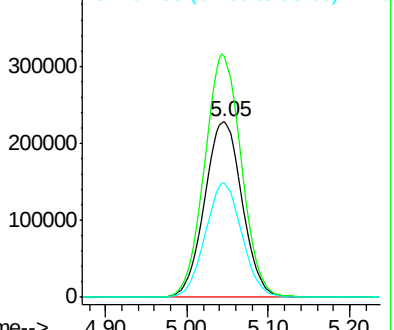
98 65.1 50.0 75.0

Manual Integrations
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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: 111.212 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053562.D

Acq: 30 Jan 2019 10:39

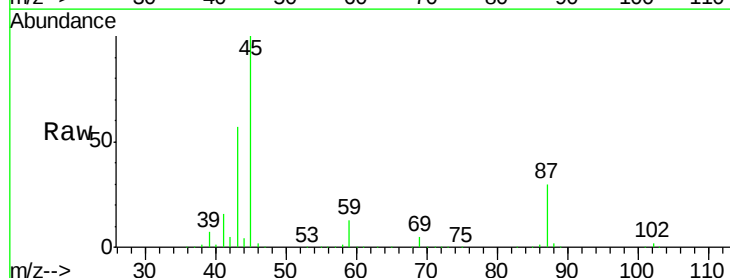
Tgt Ion: 45 Resp: 2103724
Ion Ratio Lower Upper

45 100

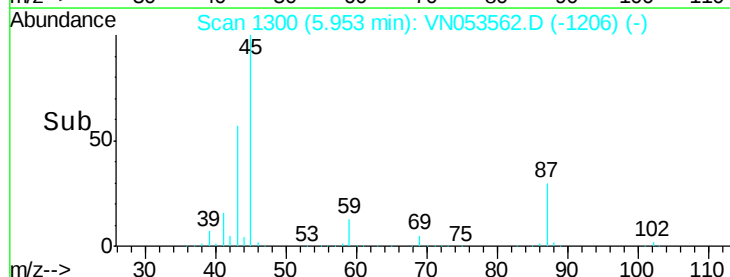
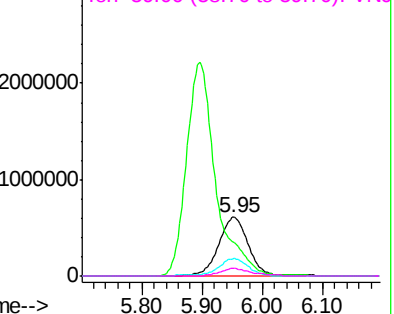
43 56.4 44.2 66.4

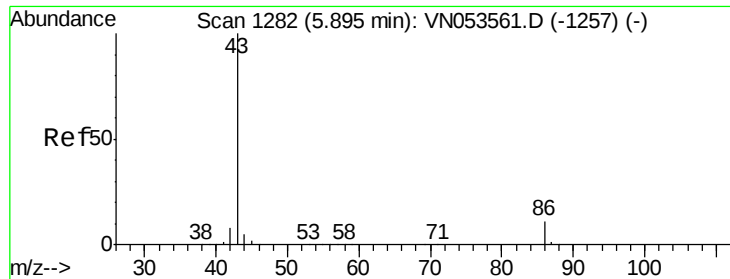
87 29.4 22.7 34.1

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: 580.653 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053562.D

Acq: 30 Jan 2019 10:39

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tgt Ion: 43 Resp: 7495220

Ion Ratio Lower Upper

43 100

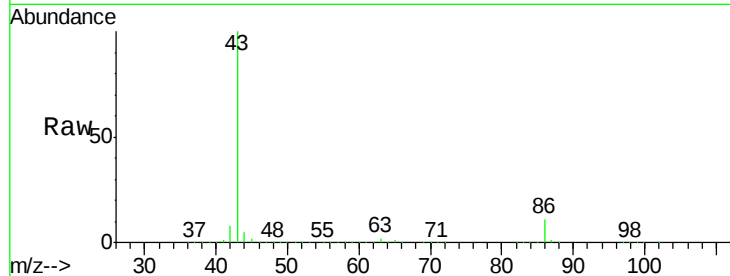
86 11.0 8.4 12.6

Manual Integrations

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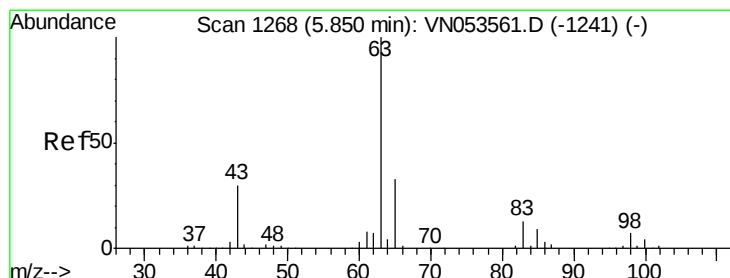
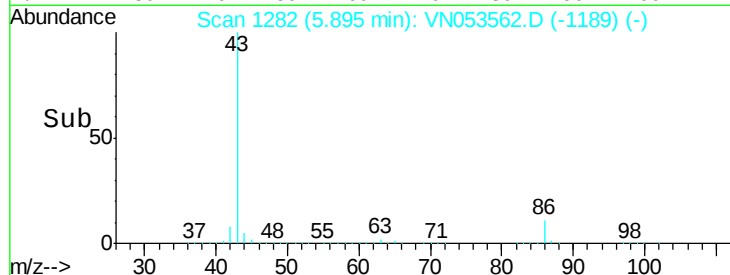
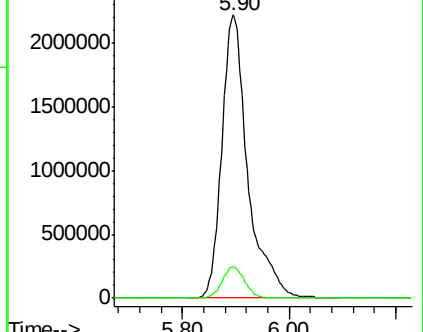
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 99.535 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN053562.D

Acq: 30 Jan 2019 10:39

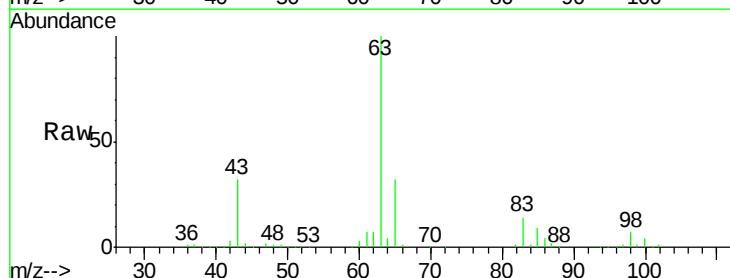
Tgt Ion: 63 Resp: 1310079

Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.9

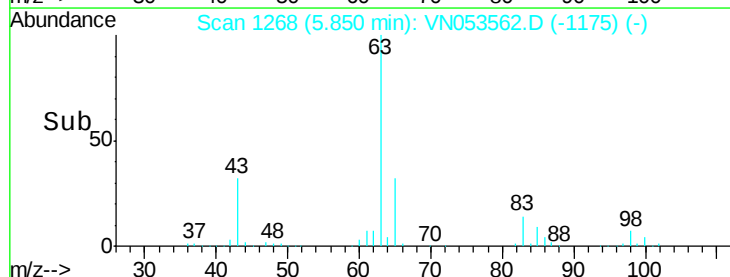
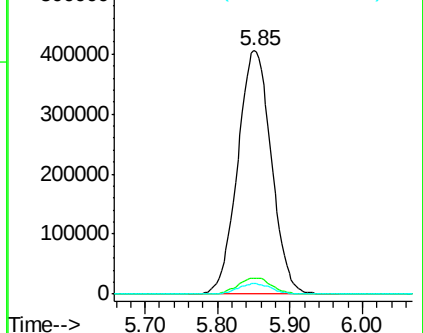
100 4.3 2.1 6.5

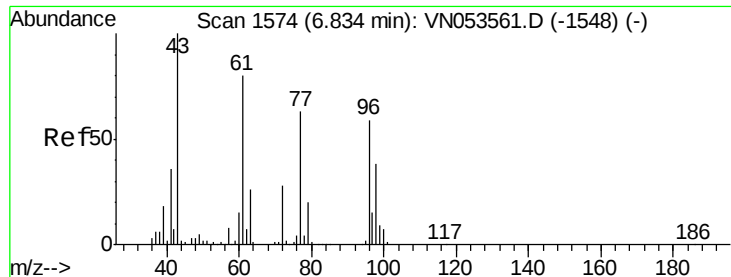


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 526.896 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053562.D

Acq: 30 Jan 2019 10:39

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tgt Ion: 43 Resp: 1365537

Ion Ratio Lower Upper

43 100

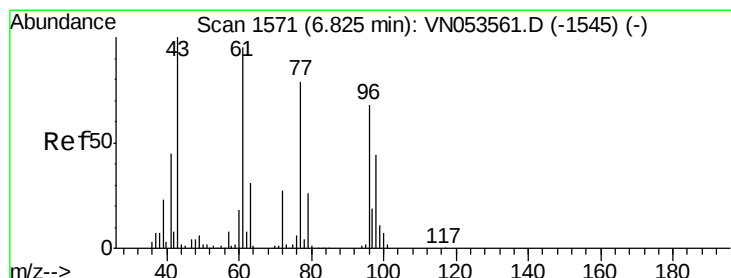
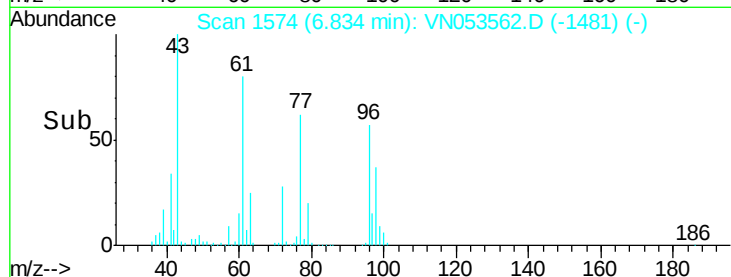
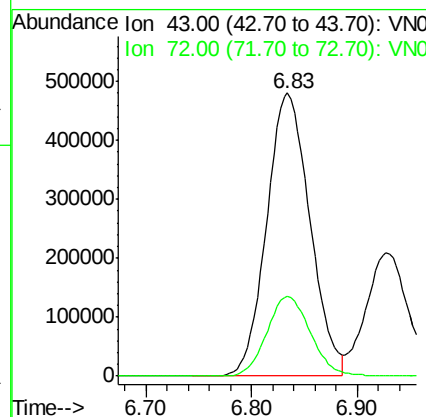
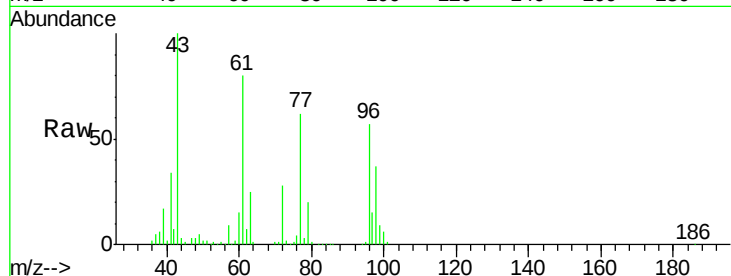
72 28.2 22.0 33.0

Manual Integrations

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2/1/2019 9:18:29 AM



#26

2,2-Dichloropropane

Concen: 101.372 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053562.D

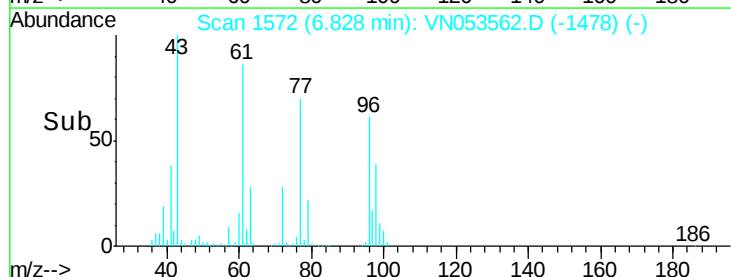
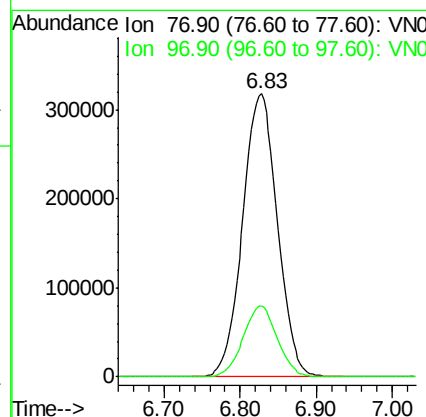
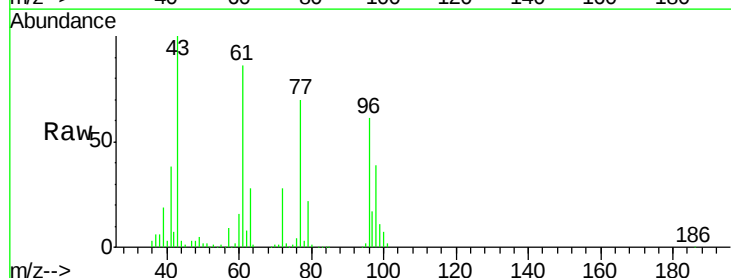
Acq: 30 Jan 2019 10:39

Tgt Ion: 77 Resp: 1010509

Ion Ratio Lower Upper

77 100

97 24.7 12.2 36.6





#27

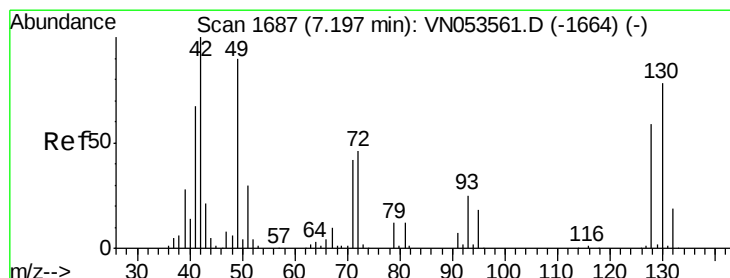
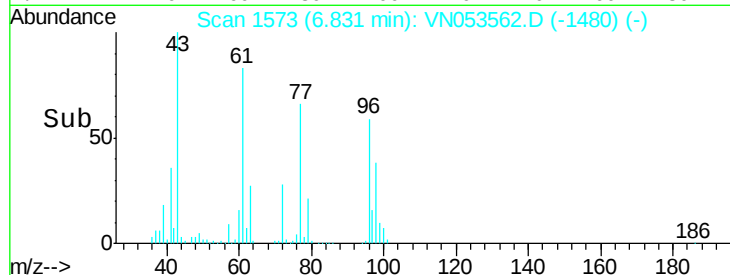
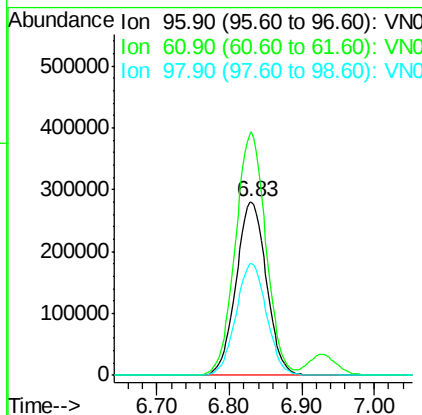
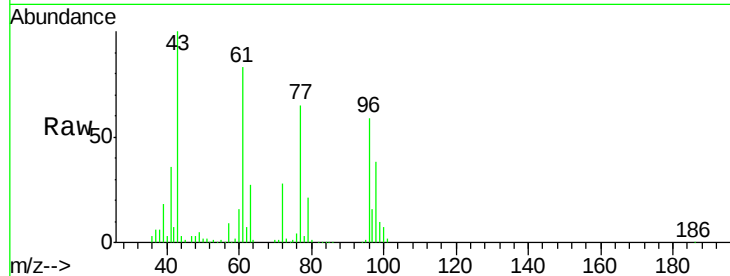
cis-1,2-Dichloroethene
Concen: 103.109 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VN053562.D
Acq: 30 Jan 2019 10:39

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
96	100		
61	140.6	0.0	283.8
98	65.0	0.0	129.2

Manual Integrations
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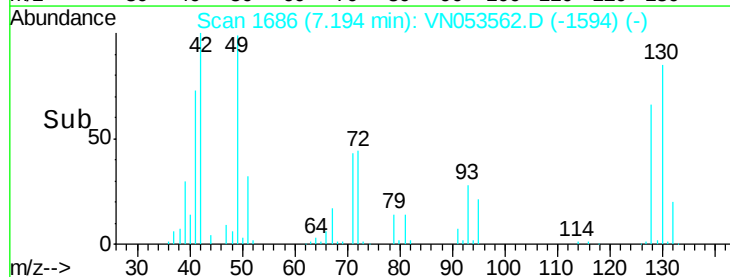
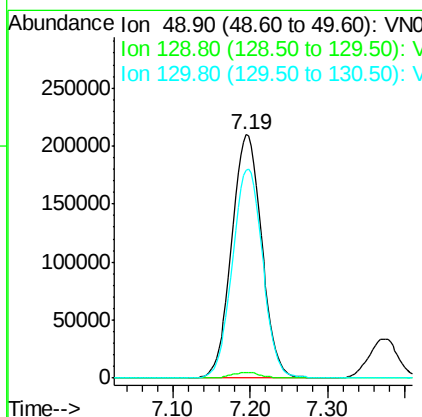
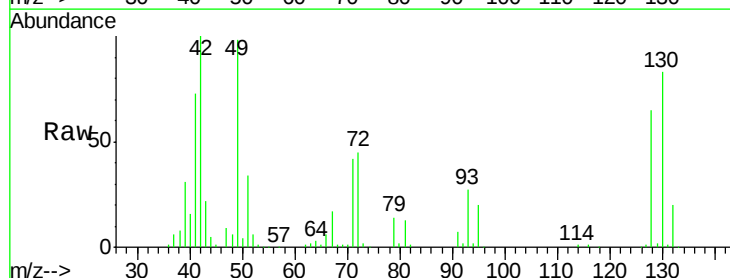
MMDadoda
2/1/2019 9:18:29 AM

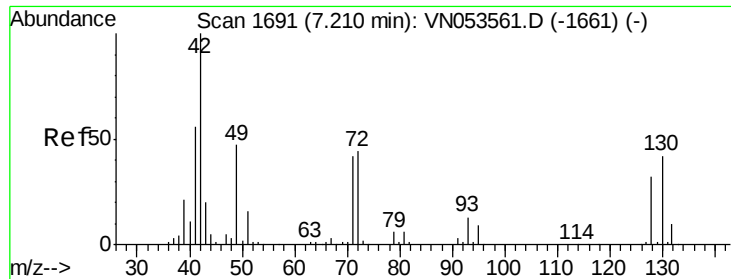


#28

Bromochloromethane
Concen: 98.395 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VN053562.D
Acq: 30 Jan 2019 10:39

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.0
130	86.6	66.3	99.5





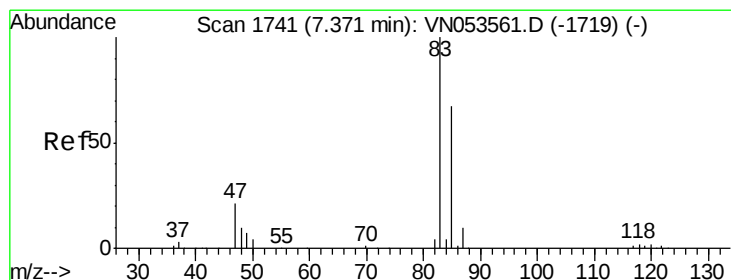
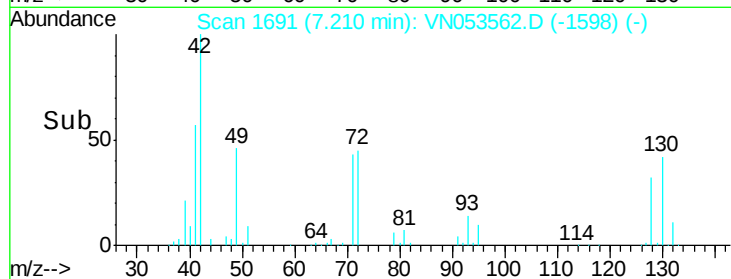
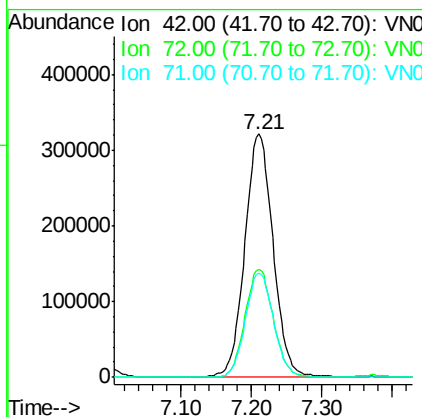
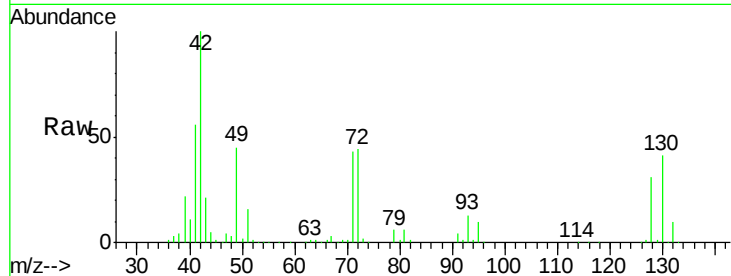
#29
Tetrahydrofuran
Concen: 545.447 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053562.D
Acq: 30 Jan 2019 10:39

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tgt Ion: 42 Resp: 897487
Ion Ratio Lower Upper
42 100
72 44.6 35.2 52.8
71 42.5 33.0 49.4

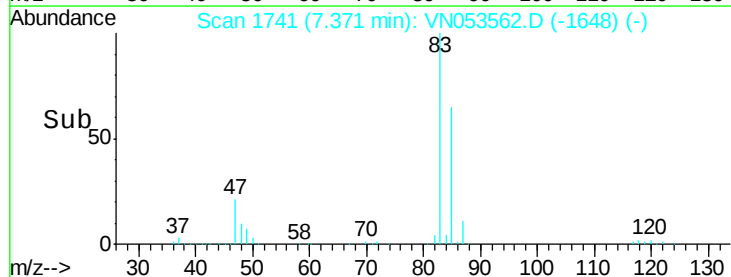
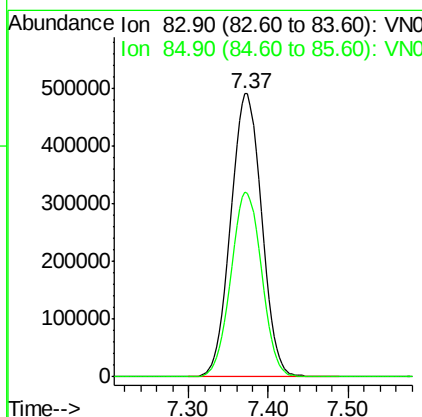
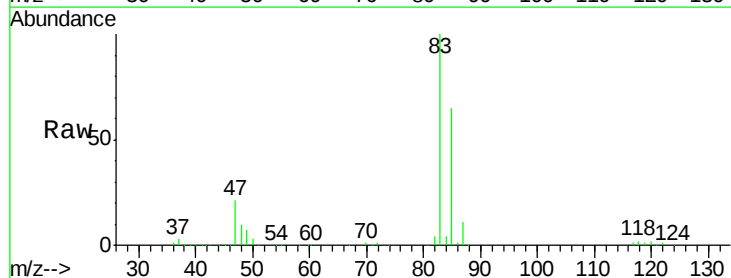
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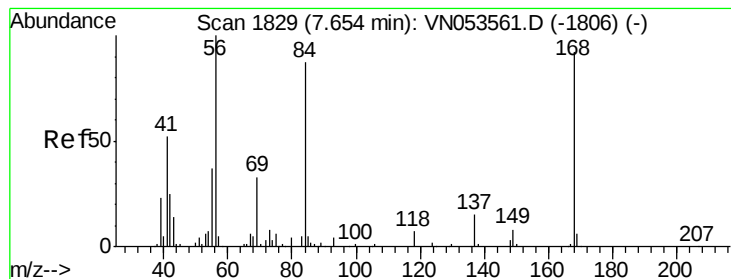
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2/1/2019 9:18:29 AM



#30
Chloroform
Concen: 98.092 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053562.D
Acq: 30 Jan 2019 10:39

Tgt Ion: 83 Resp: 1287518
Ion Ratio Lower Upper
83 100
85 65.2 52.2 78.2





#31

Cyclohexane

Concen: 85.788 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053562.D

Acq: 30 Jan 2019 10:39

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tgt Ion: 56 Resp: 1232409

Ion Ratio Lower Upper

56 100

69 31.6 26.4 39.6

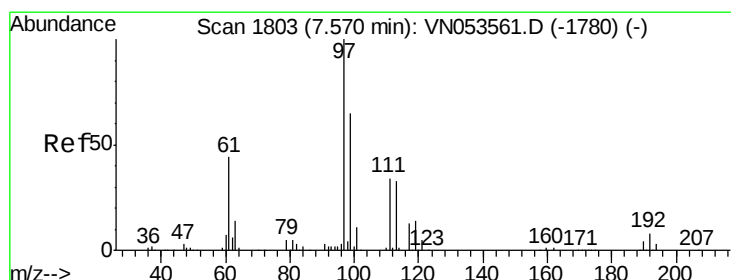
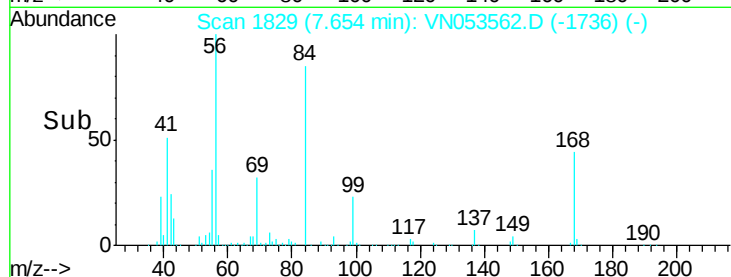
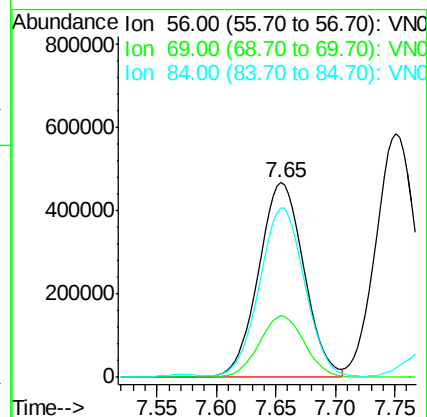
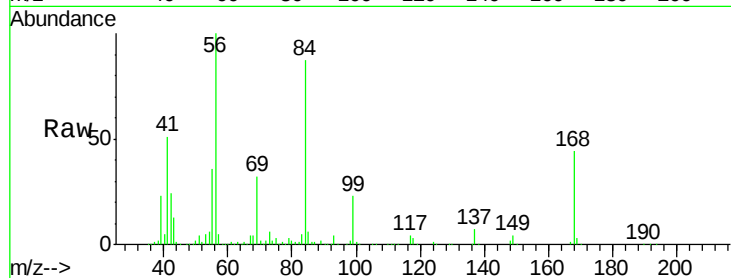
84 86.0 67.9 101.9

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 103.631 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053562.D

Acq: 30 Jan 2019 10:39

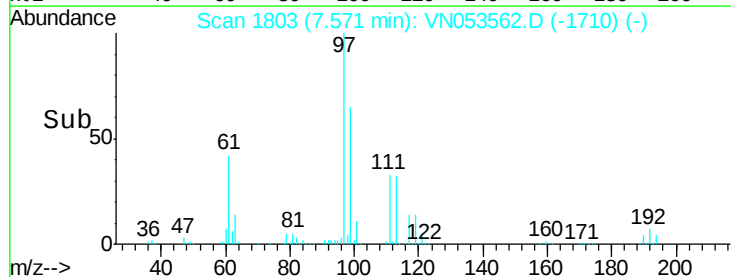
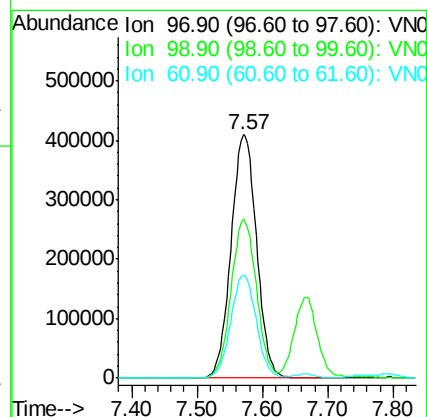
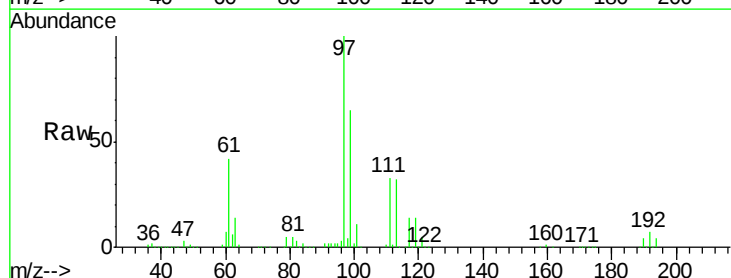
Tgt Ion: 97 Resp: 1108667

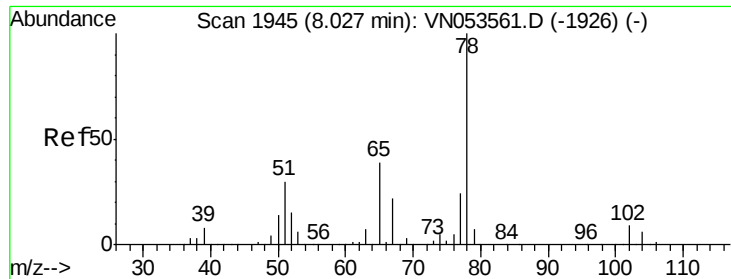
Ion Ratio Lower Upper

97 100

99 64.8 52.0 78.0

61 42.2 34.4 51.6





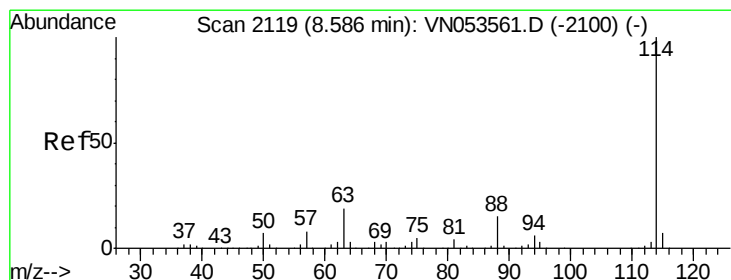
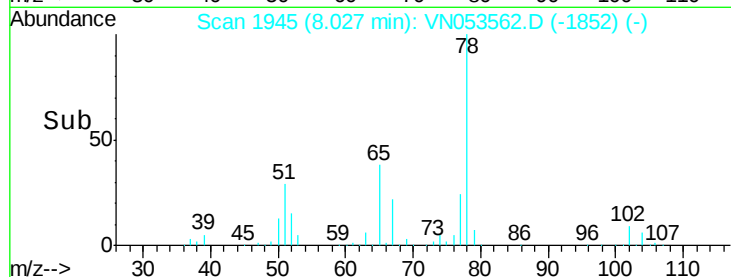
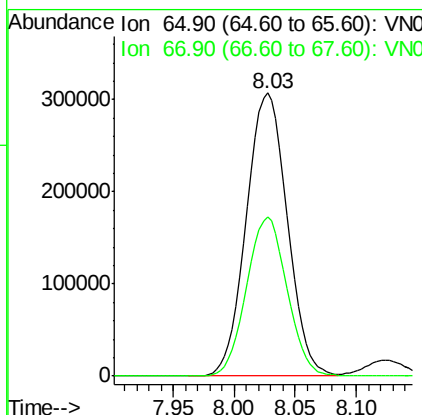
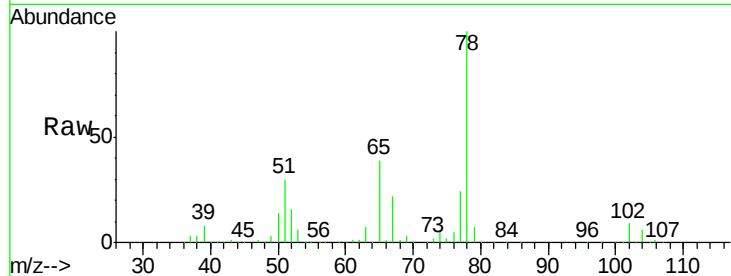
#33
 1,2-Dichloroethane-d4
 Concen: 99.003 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053562.D
 Acq: 30 Jan 2019 10:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion: 65 Resp: 716120
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 111.2

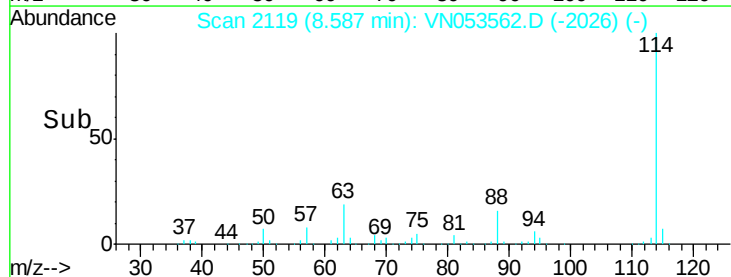
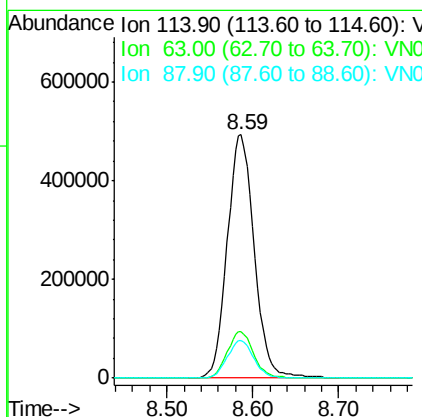
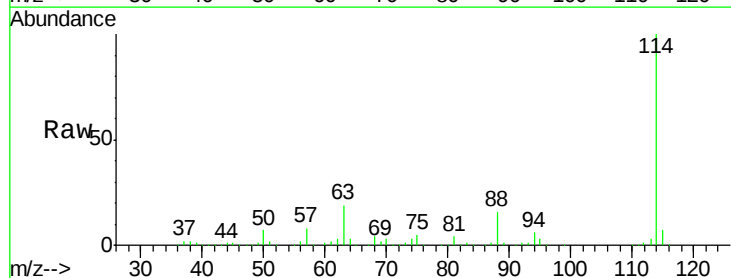
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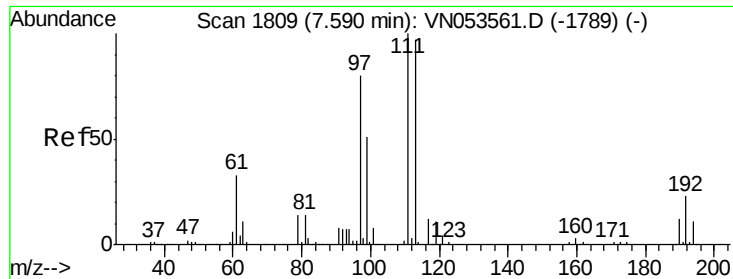
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053562.D
 Acq: 30 Jan 2019 10:39

Tgt Ion: 114 Resp: 1072924
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 38.6
 88 15.7 0.0 30.4





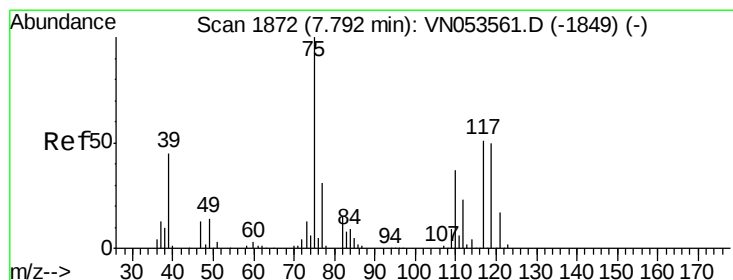
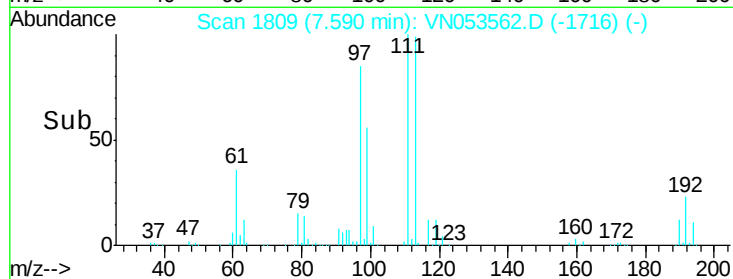
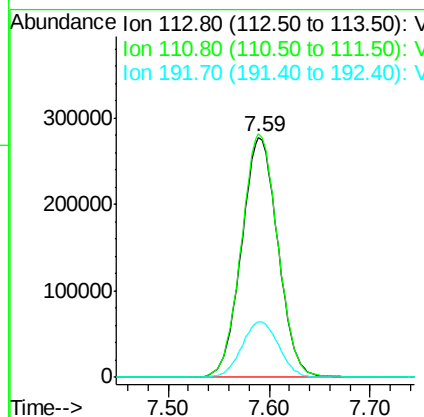
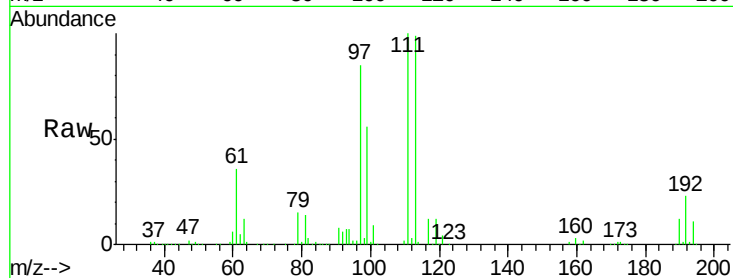
#35
 Dibromofluoromethane
 Concen: 103.340 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053562.D
 Acq: 30 Jan 2019 10:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	693186		
111	101.9	81.1	121.7	
192	23.6	18.2	27.2	

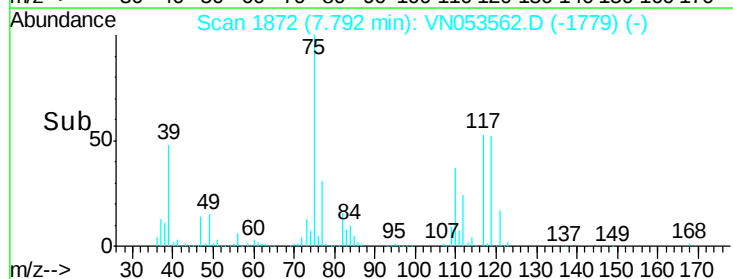
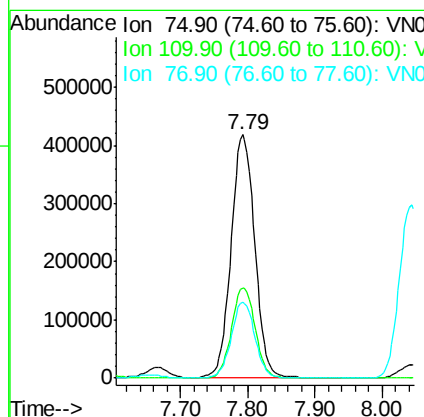
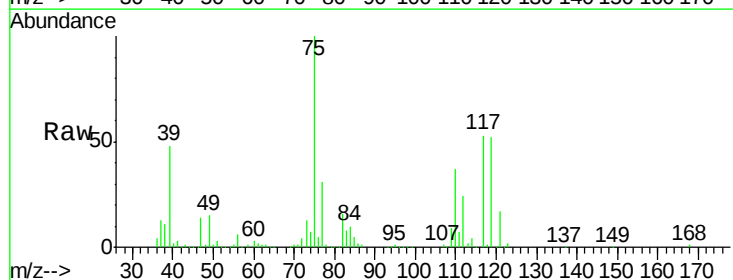
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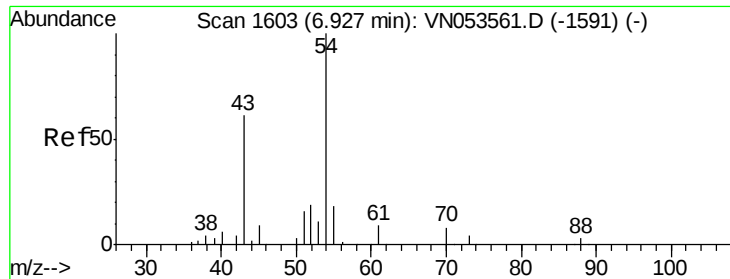
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#36
 1,1-Dichloropropene
 Concen: 108.258 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN053562.D
 Acq: 30 Jan 2019 10:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	1022056		
110	37.1	18.1	54.3	
77	31.3	25.1	37.7	





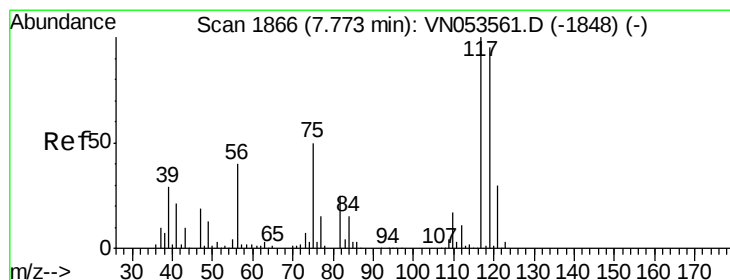
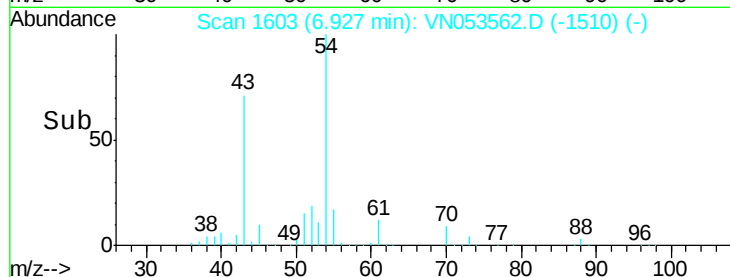
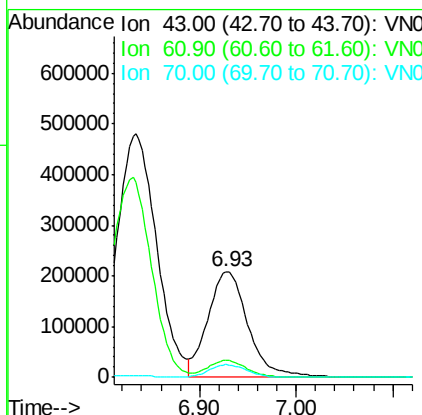
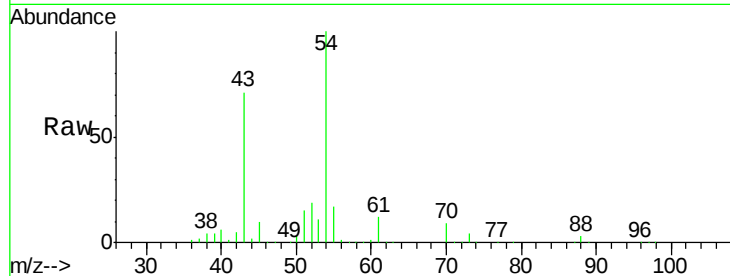
#37
Ethyl Acetate
Concen: 114.510 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053562.D
Acq: 30 Jan 2019 10:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.4	11.8	17.6
70	11.2	8.6	12.8

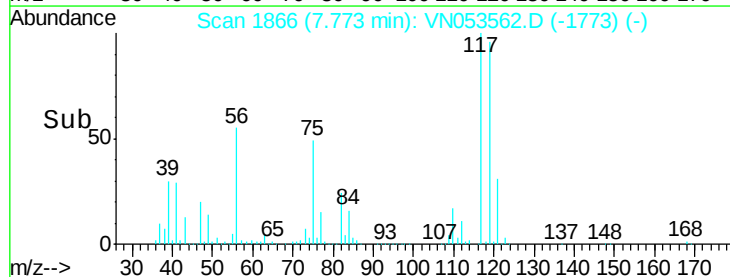
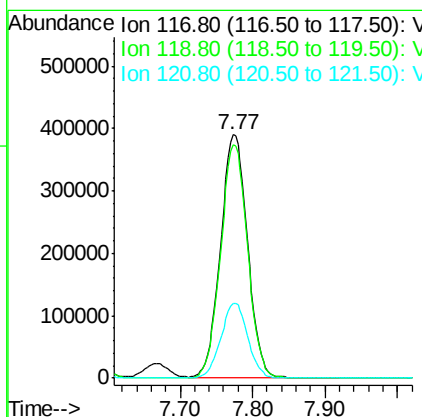
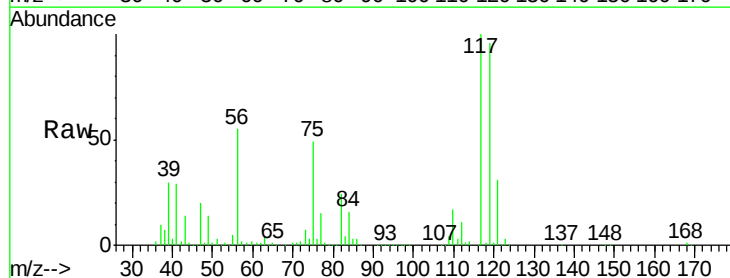
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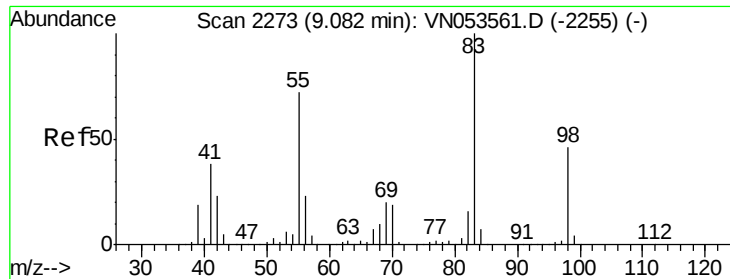
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#38
Carbon Tetrachloride
Concen: 104.453 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN053562.D
Acq: 30 Jan 2019 10:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	77.2	115.8
121	30.7	24.6	37.0





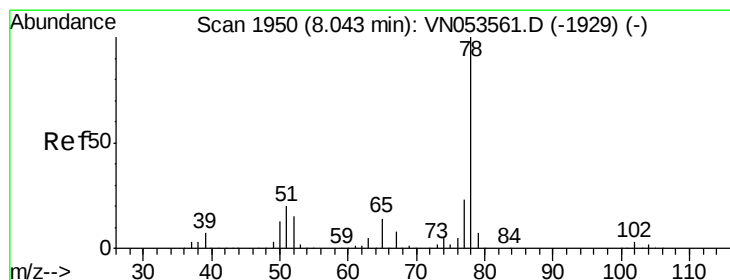
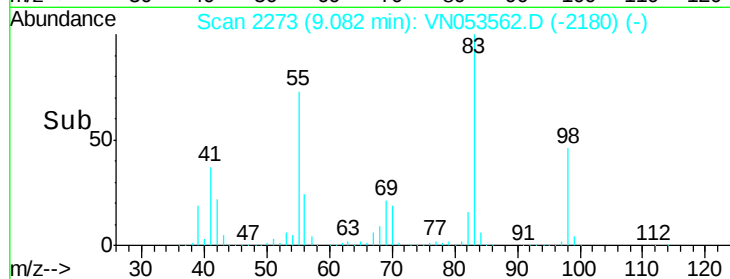
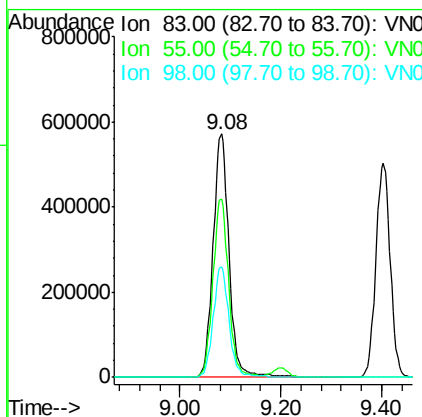
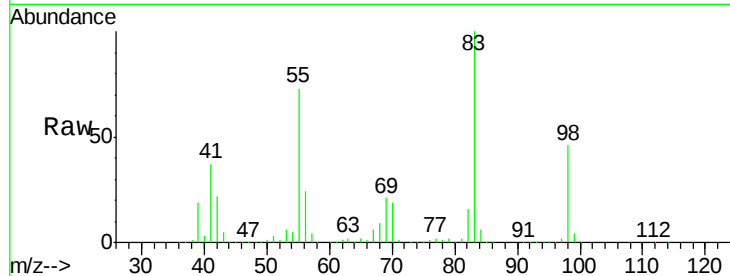
#39
Methylcyclohexane
Concen: 114.864 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053562.D
Acq: 30 Jan 2019 10:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 83 Resp: 1260003
Ion Ratio Lower Upper
83 100
55 73.5 60.1 90.1
98 45.5 36.6 55.0

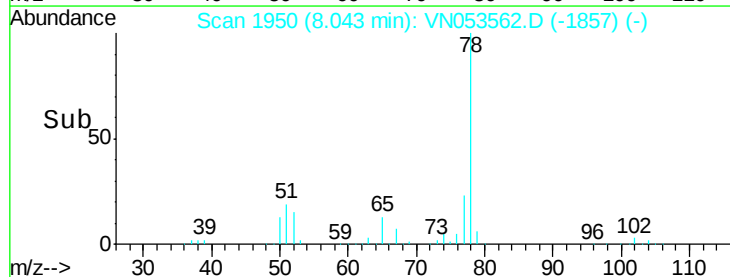
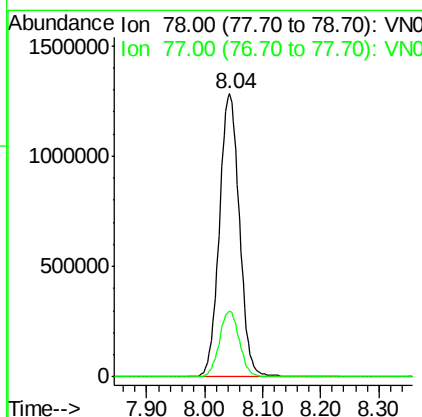
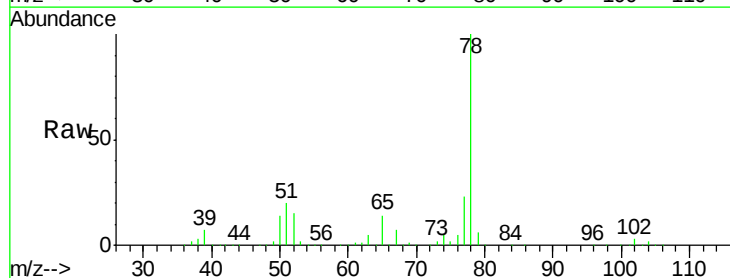
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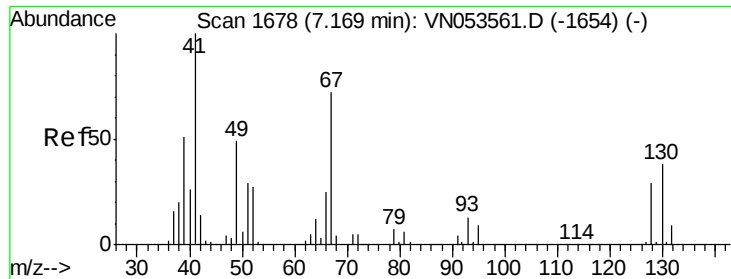
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#40
Benzene
Concen: 103.727 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053562.D
Acq: 30 Jan 2019 10:39

Tgt Ion: 78 Resp: 3066404
Ion Ratio Lower Upper
78 100
77 23.2 18.8 28.2





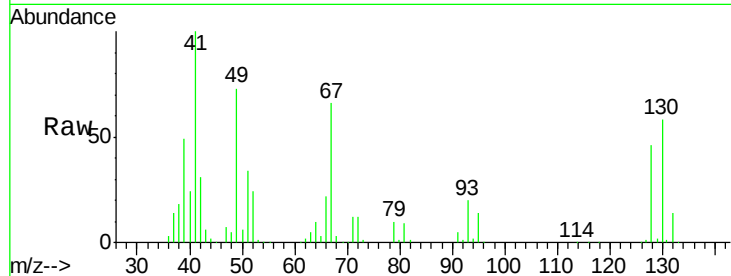
#41
Methacrylonitrile
Concen: 127.768 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN053562.D
Acq: 30 Jan 2019 10:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

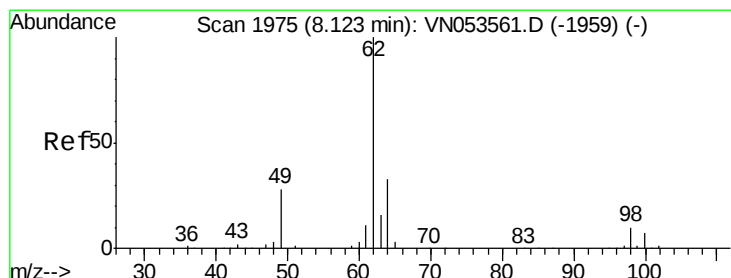
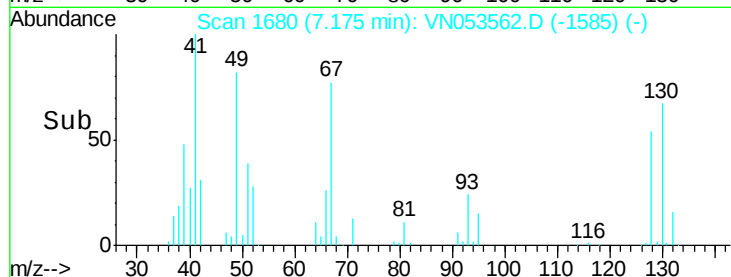
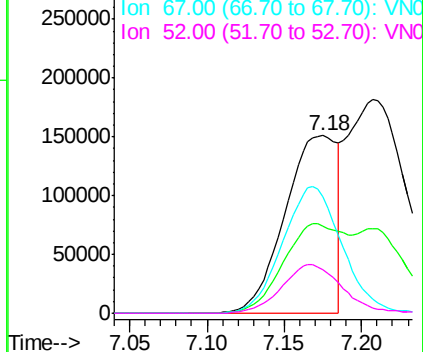
Tgt Ion	Ratio	Lower	Upper
41	100		
39	61.6	46.8	70.2
67	82.1	63.0	94.6
52	31.4	23.8	35.8

Manual Integrations
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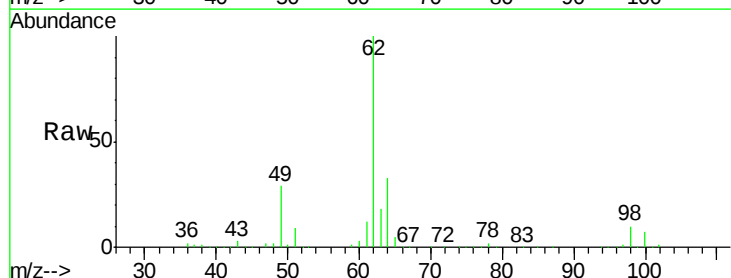


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

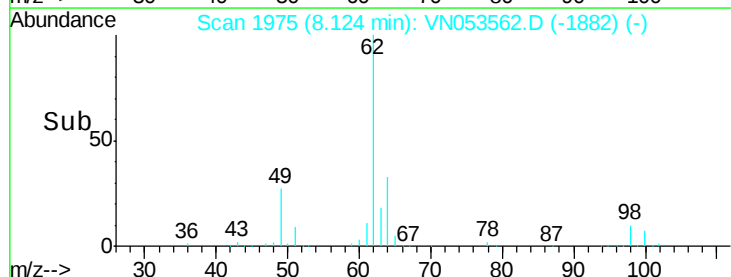
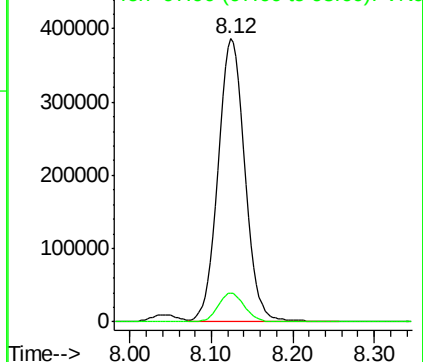


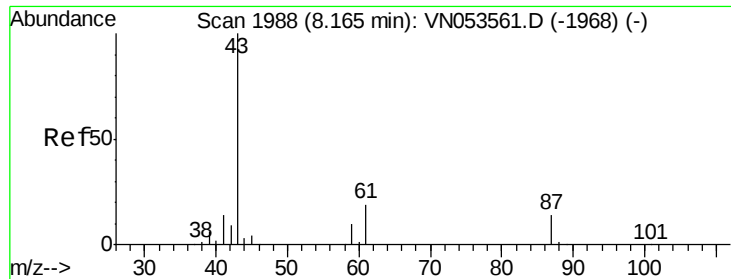
#42
1,2-Dichloroethane
Concen: 101.456 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053562.D
Acq: 30 Jan 2019 10:39

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	19.6



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 106.456 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN053562.D

Acq: 30 Jan 2019 10:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 1090165

Ion Ratio Lower Upper

43 100

61 29.8 23.9 35.9

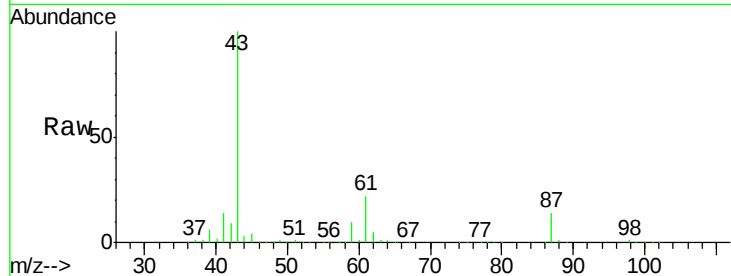
87 13.9 11.0 16.6

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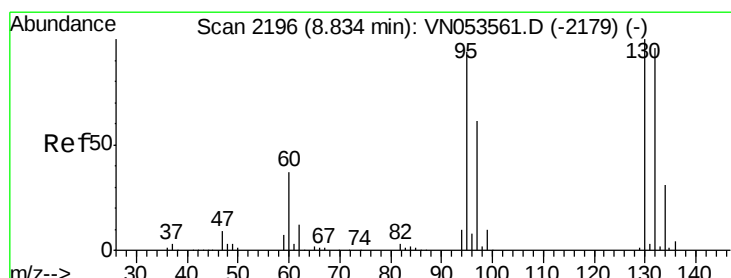
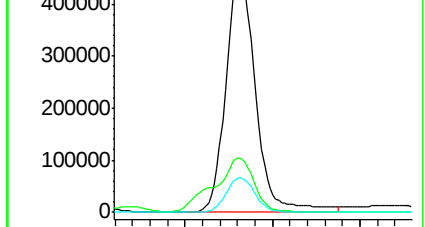
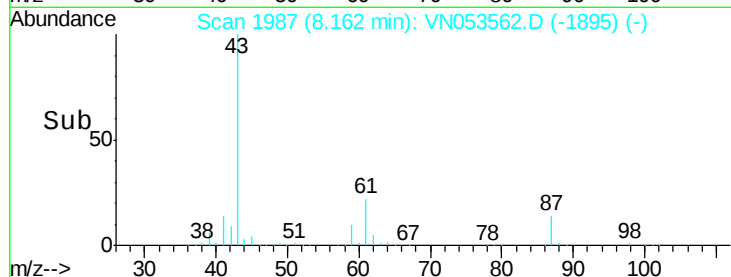


Abundance Ion 43.00 (42.70 to 43.70): VN053561.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN053561.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN053561.D (-1968) (-)

Time-->



#44

Trichloroethene

Concen: 102.445 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN053562.D

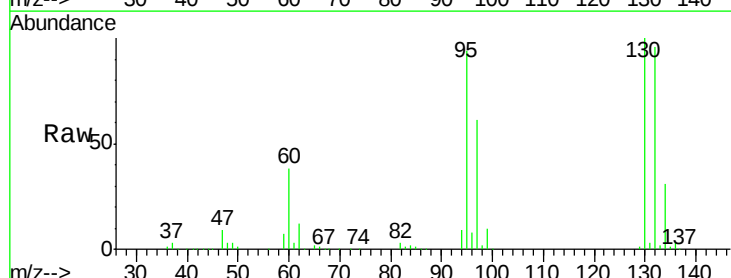
Acq: 30 Jan 2019 10:39

Tgt Ion: 130 Resp: 866352

Ion Ratio Lower Upper

130 100

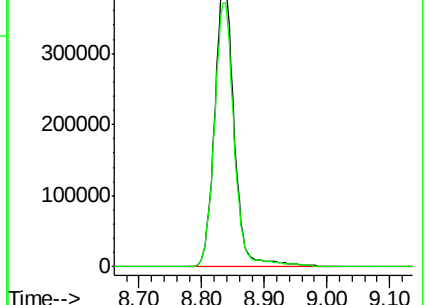
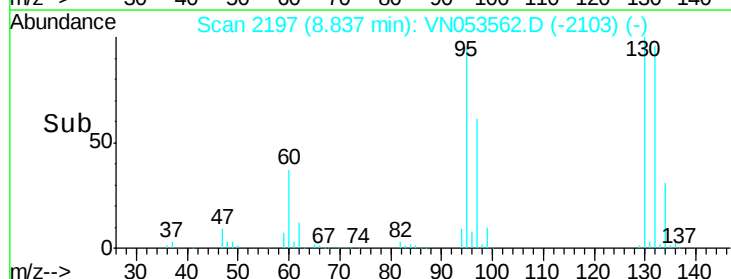
95 93.5 0.0 191.4



Abundance Ion 129.80 (129.50 to 130.50): VN053561.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN053561.D (-2179) (-)

Time-->





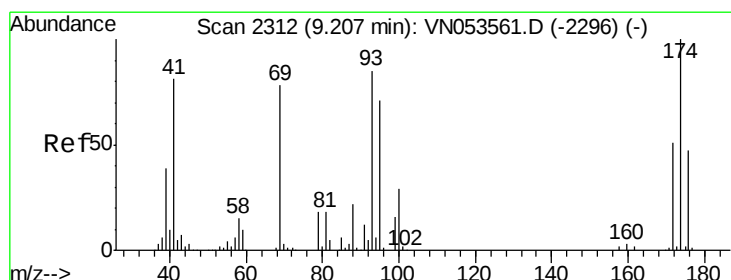
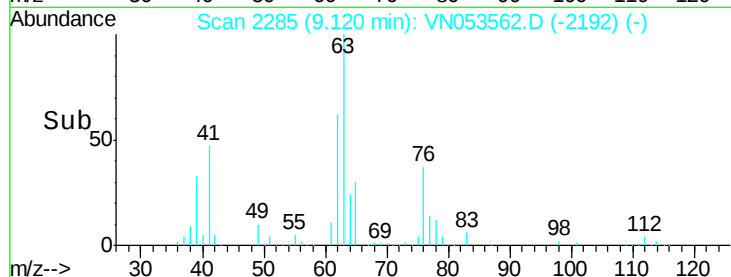
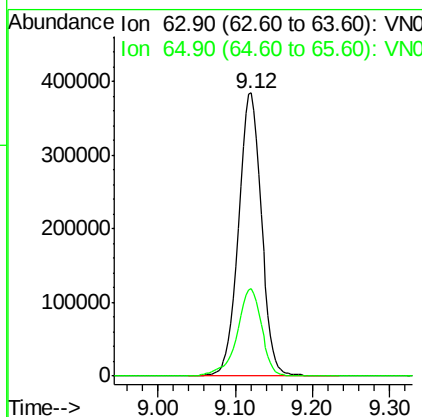
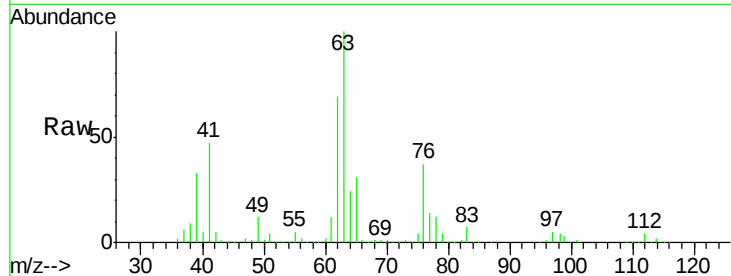
#45
 1,2-Dichloropropane
 Concen: 104.557 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053562.D
 Acq: 30 Jan 2019 10:39

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion: 63 Resp: 786690
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.0 37.4

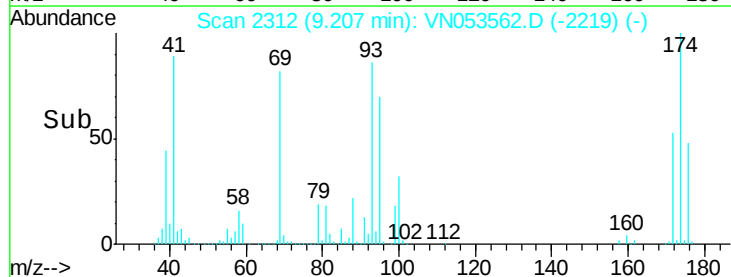
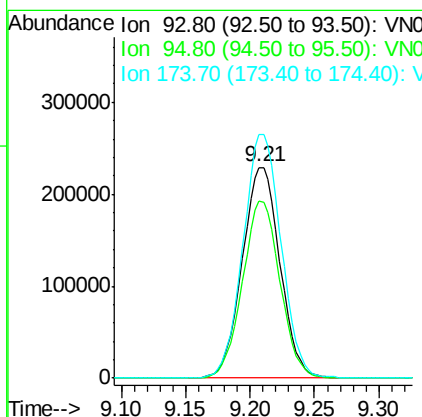
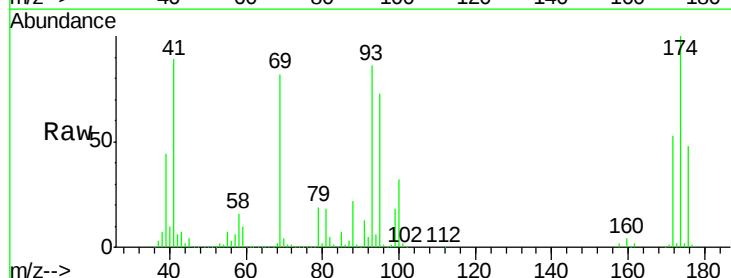
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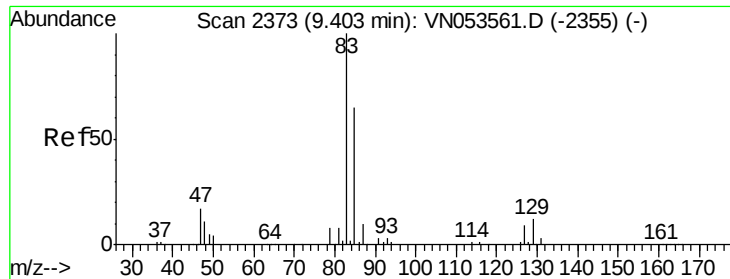
MMDadoda
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#46
 Dibromomethane
 Concen: 101.575 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN053562.D
 Acq: 30 Jan 2019 10:39

Tgt Ion: 93 Resp: 466720
 Ion Ratio Lower Upper
 93 100
 95 83.7 67.3 100.9
 174 117.3 91.0 136.4





#47

Bromodichloromethane

Concen: 104.902 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053562.D

Acq: 30 Jan 2019 10:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 83 Resp: 988347
Ion Ratio Lower Upper

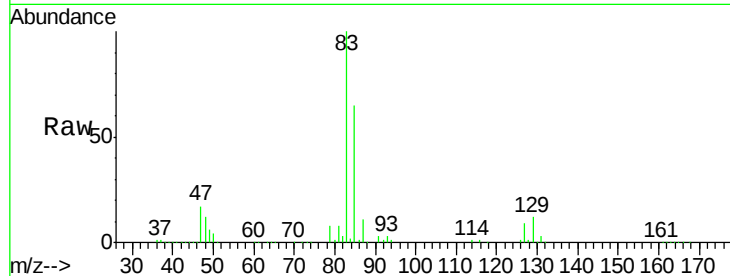
83 100

85 65.0 51.0 76.6

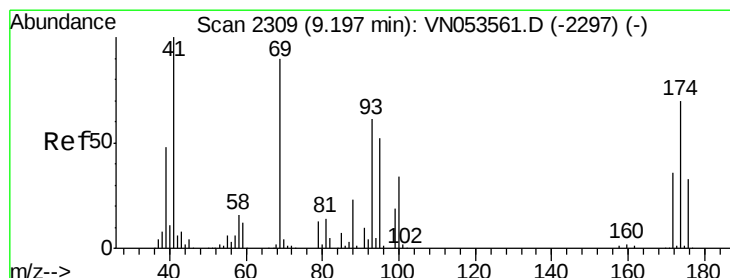
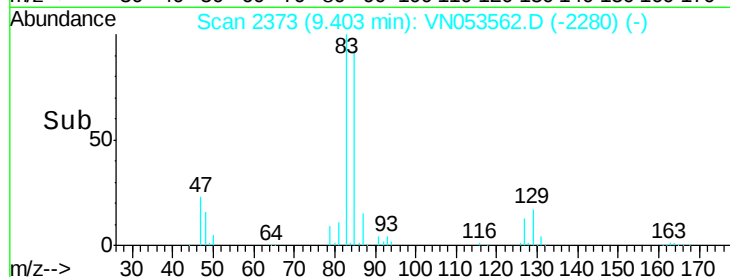
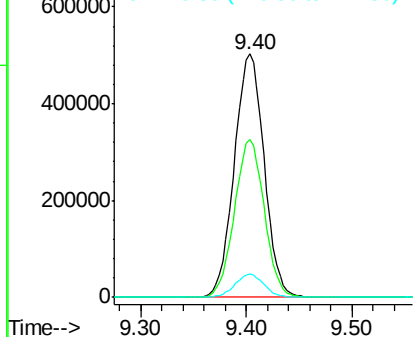
127 9.4 7.0 10.6

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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 111.789 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN053562.D

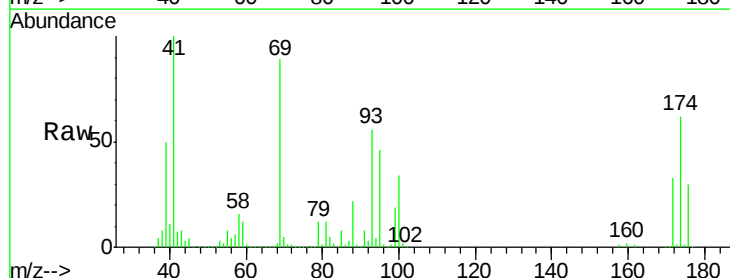
Acq: 30 Jan 2019 10:39

Tgt Ion: 41 Resp: 534480
Ion Ratio Lower Upper

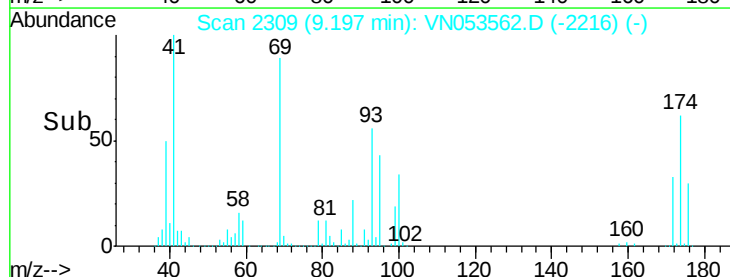
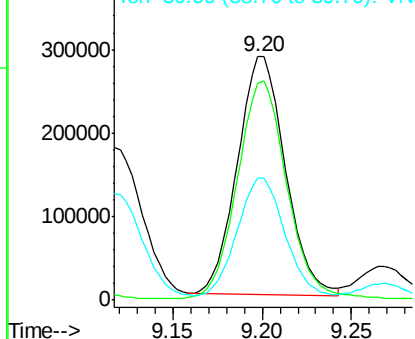
41 100

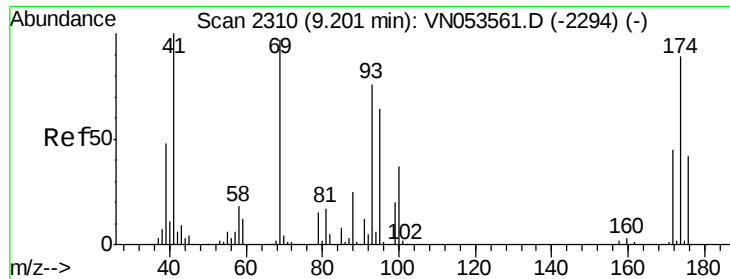
69 96.6 73.8 110.6

39 52.9 40.0 60.0



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





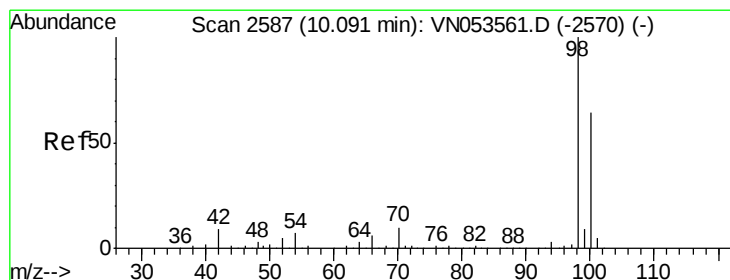
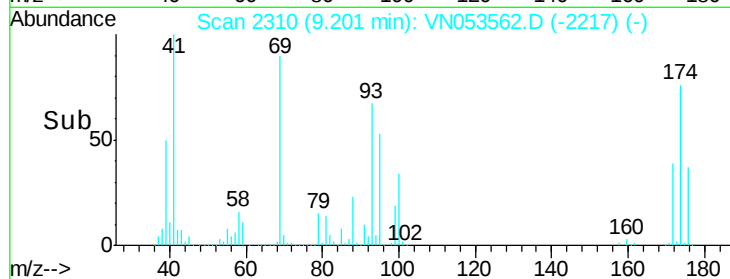
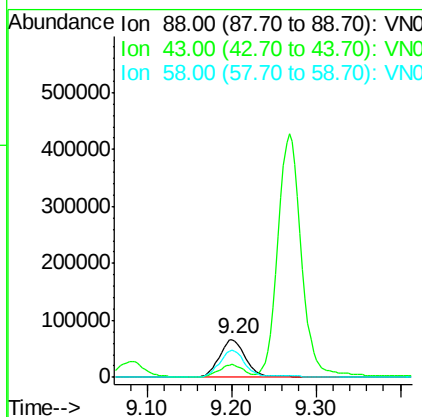
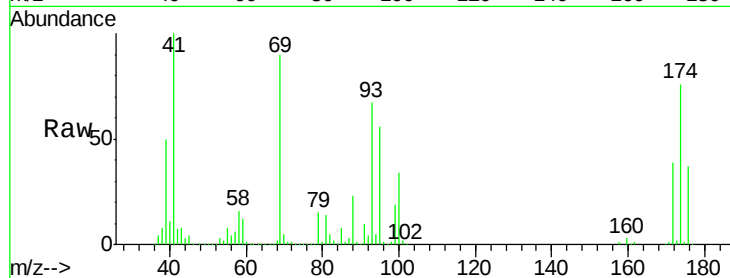
#49
1,4-Dioxane
Concen: 2571.944 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053562.D
Acq: 30 Jan 2019 10:39

Instrument :
MSVOA_N
ClientSampled :
VSTDICC100

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	146600		
43	28.8	27.8	41.6	
58	68.2	56.5	84.7	

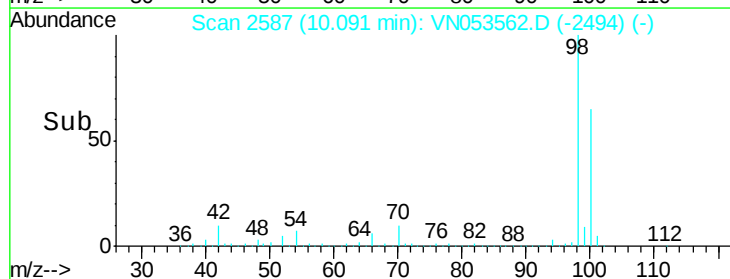
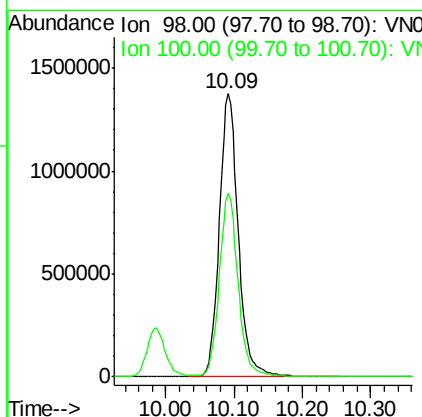
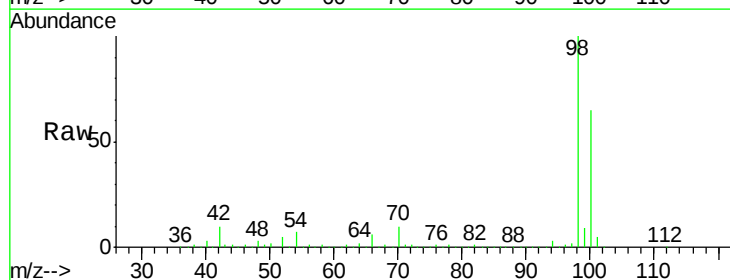
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#50
Toluene-d8
Concen: 106.142 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053562.D
Acq: 30 Jan 2019 10:39

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	2637276		
100	64.9	51.4	77.0	





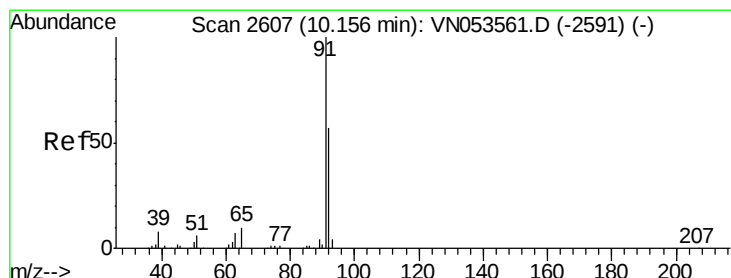
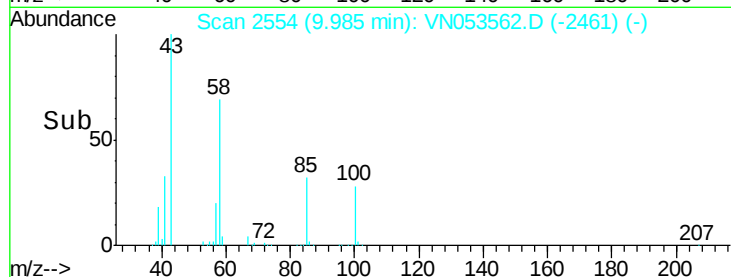
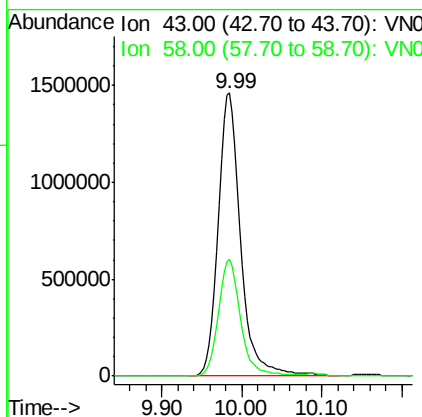
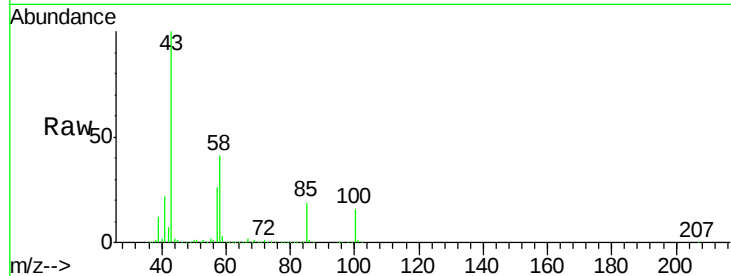
#51
 4-Methyl-2-Pentanone
 Concen: 587.270 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN053562.D
 Acq: 30 Jan 2019 10:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion: 43 Resp: 2845048
 Ion Ratio Lower Upper
 43 100
 58 40.7 32.8 49.2

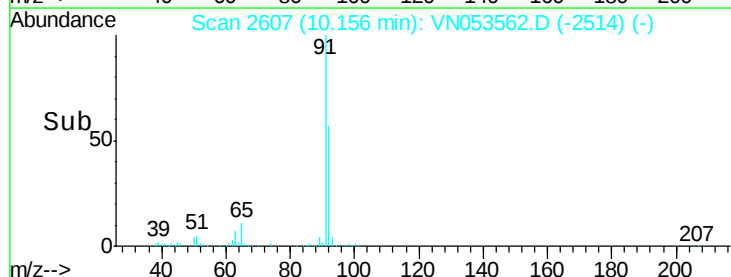
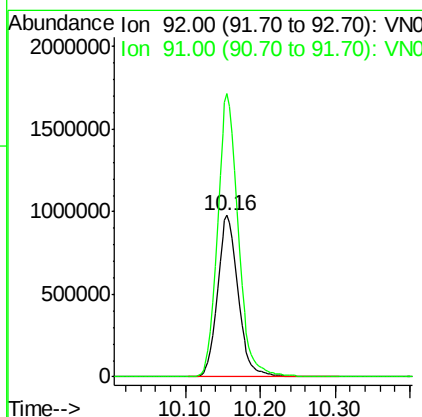
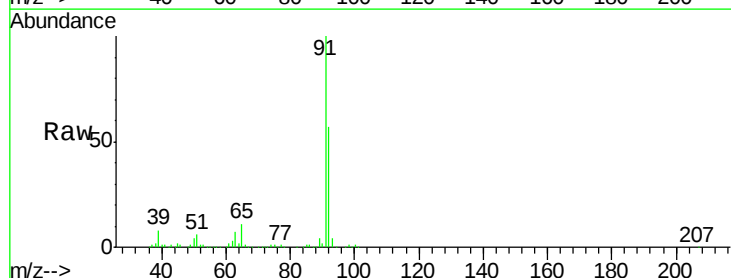
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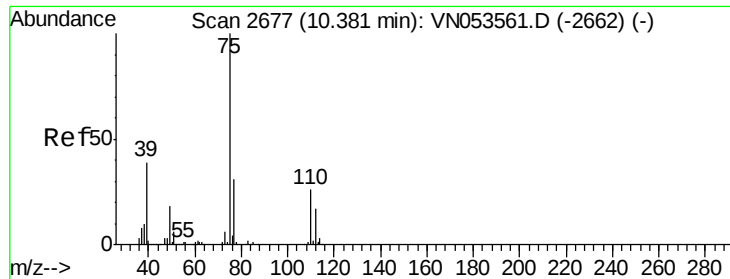
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#52
 Toluene
 Concen: 108.514 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN053562.D
 Acq: 30 Jan 2019 10:39

Tgt Ion: 92 Resp: 1870263
 Ion Ratio Lower Upper
 92 100
 91 175.6 139.9 209.9





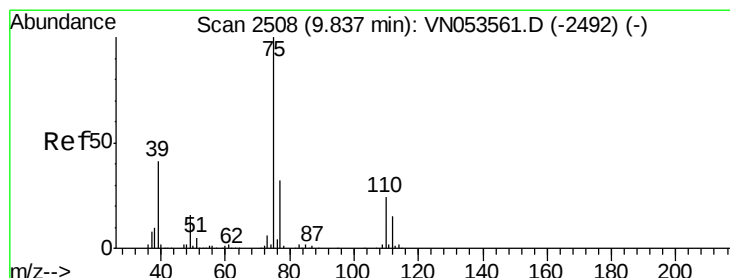
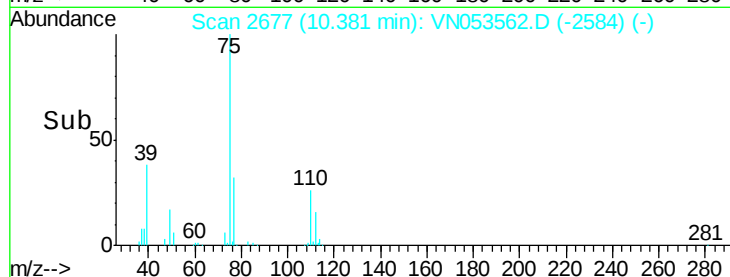
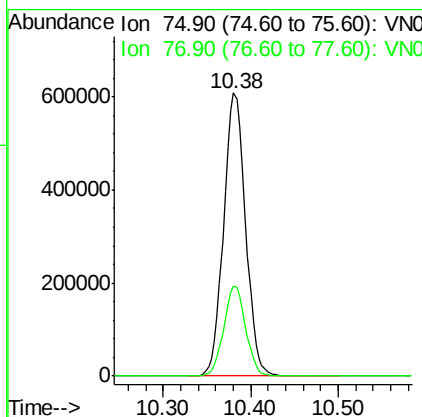
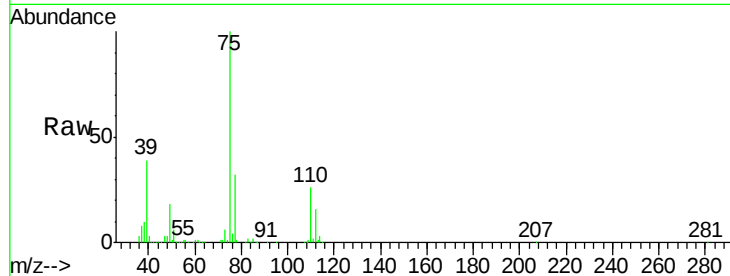
#53
t-1,3-Dichloropropene
Concen: 117.570 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN053562.D
Acq: 30 Jan 2019 10:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 75 Resp: 1060683
Ion Ratio Lower Upper
75 100
77 31.7 25.5 38.3

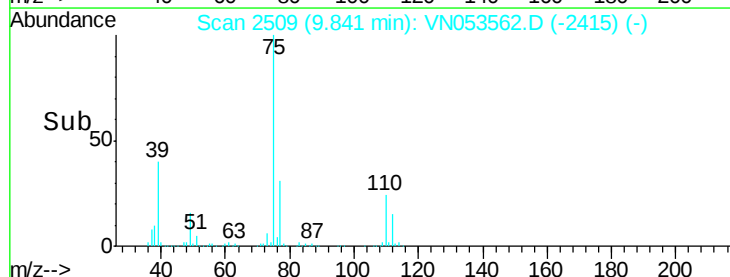
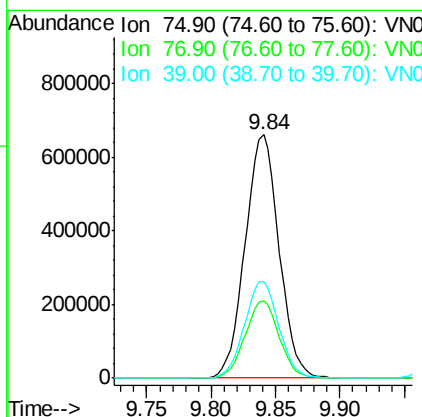
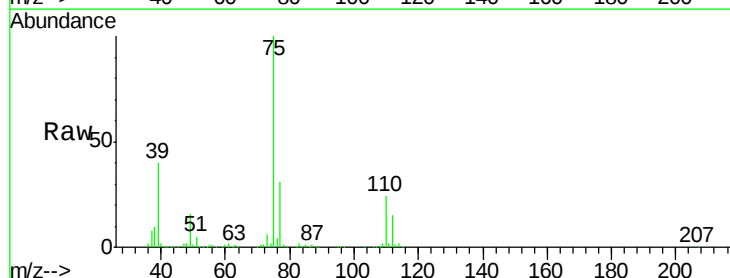
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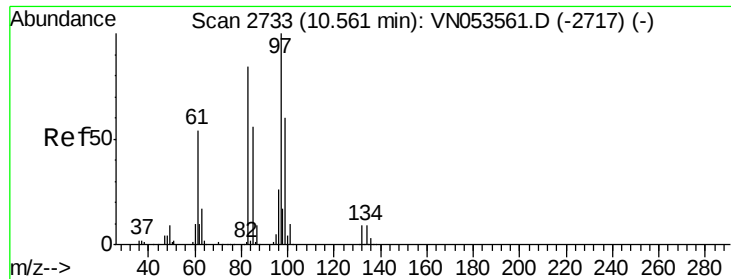
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#54
cis-1,3-Dichloropropene
Concen: 110.701 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053562.D
Acq: 30 Jan 2019 10:39

Tgt Ion: 75 Resp: 1211238
Ion Ratio Lower Upper
75 100
77 31.5 25.8 38.6
39 39.6 33.4 50.0





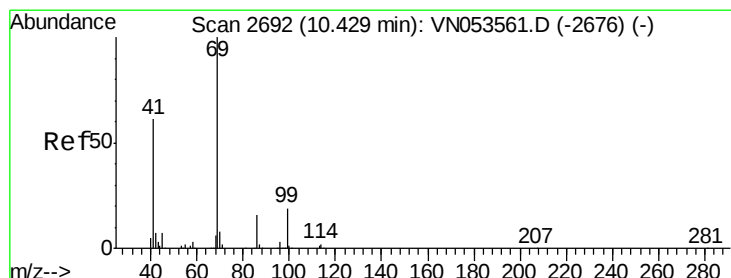
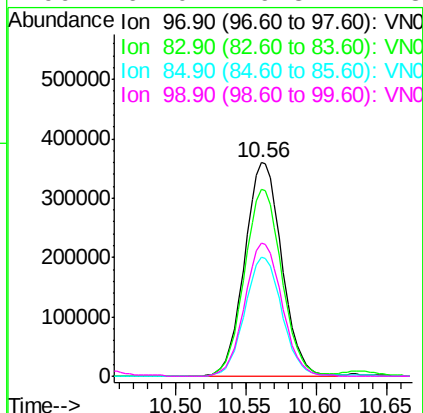
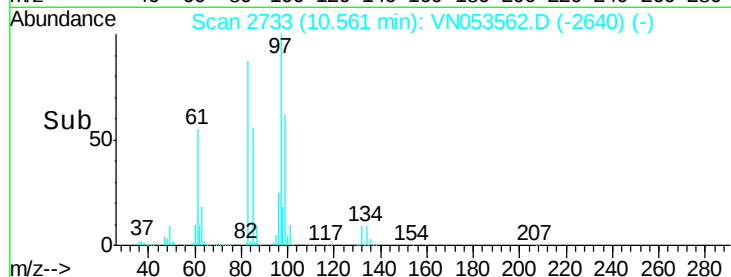
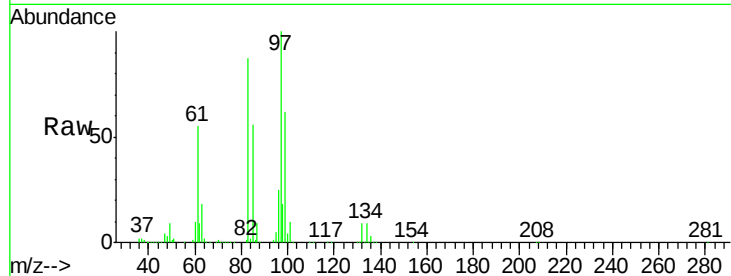
#55
 1,1,2-Trichloroethane
 Concen: 105.990 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053562.D
 Acq: 30 Jan 2019 10:39

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.3	70.1	105.1
85	55.5	45.4	68.0
99	62.0	49.8	74.8

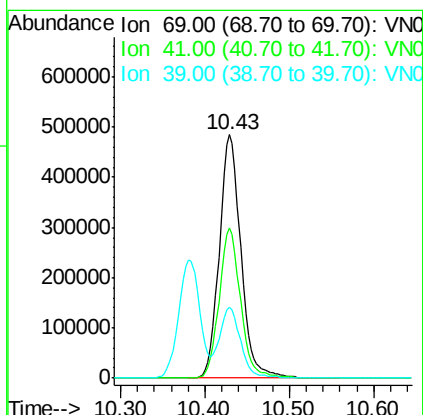
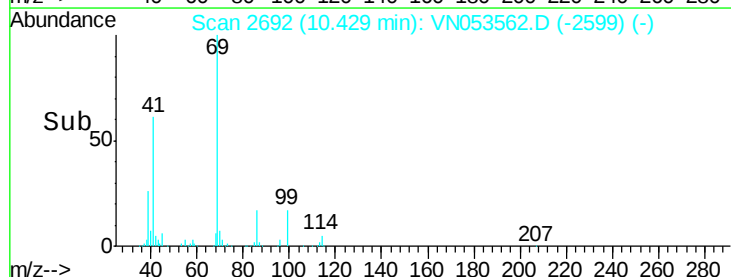
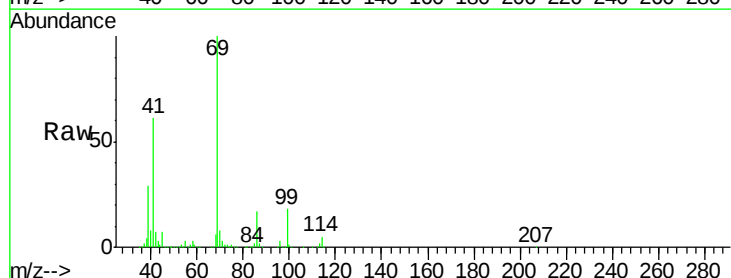
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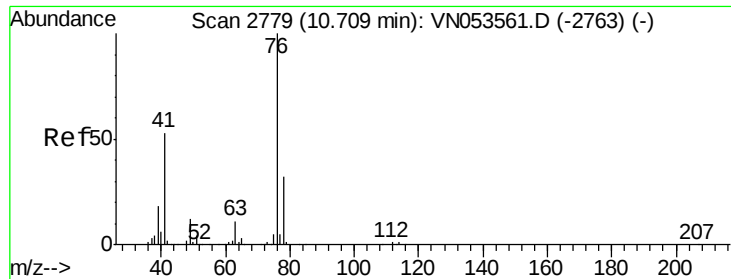
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#56
 Ethyl methacrylate
 Concen: 124.059 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053562.D
 Acq: 30 Jan 2019 10:39

Tgt Ion	Ratio	Lower	Upper
69	100		
41	60.7	49.4	74.0
39	28.8	23.3	34.9





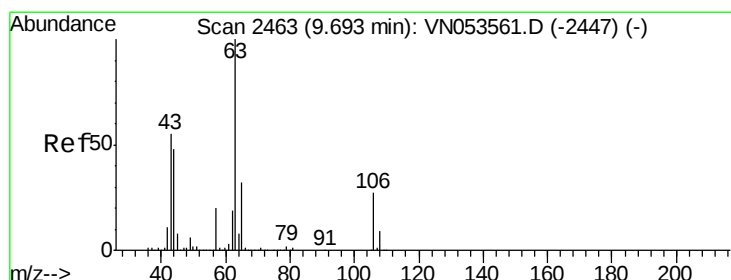
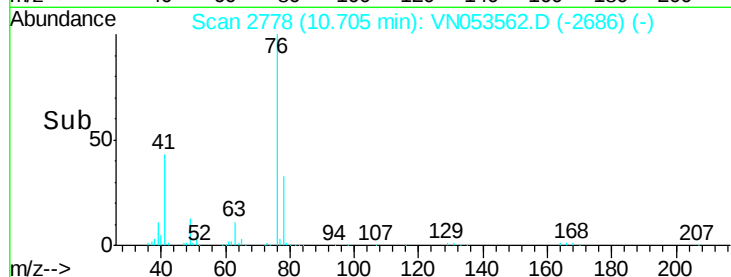
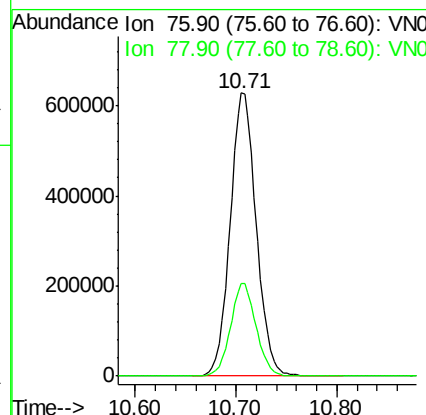
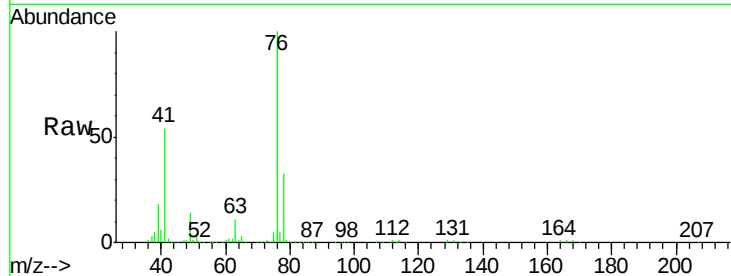
#57
 1,3-Dichloropropane
 Concen: 105.458 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN053562.D
 Acq: 30 Jan 2019 10:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion: 76 Resp: 1130451
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.6 38.4

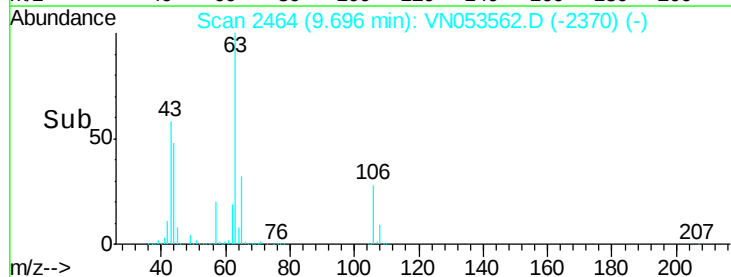
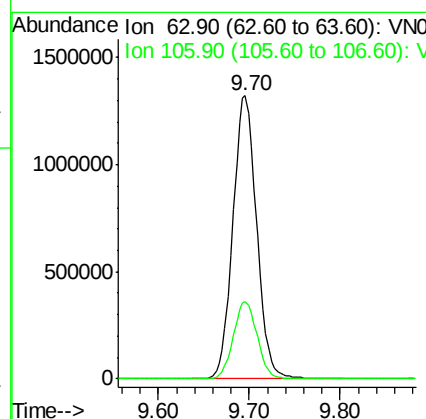
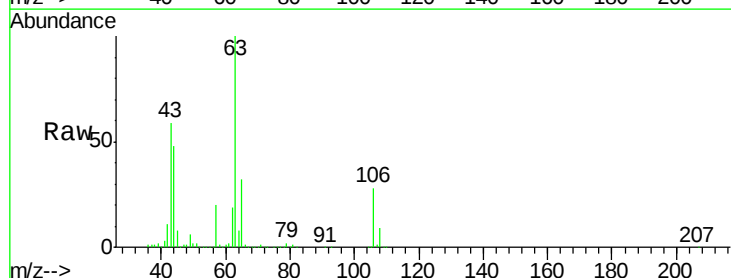
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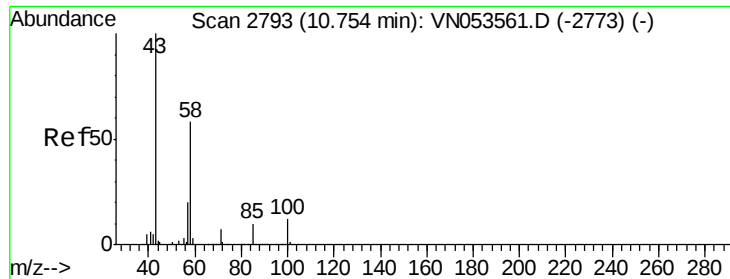
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 612.180 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053562.D
 Acq: 30 Jan 2019 10:39

Tgt Ion: 63 Resp: 2399777
 Ion Ratio Lower Upper
 63 100
 106 27.4 21.5 32.3





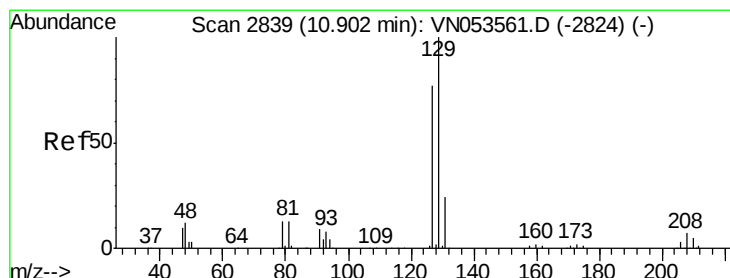
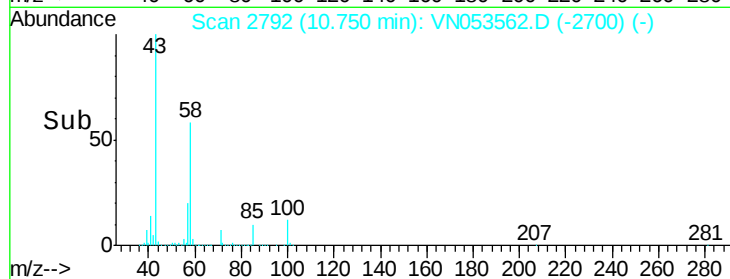
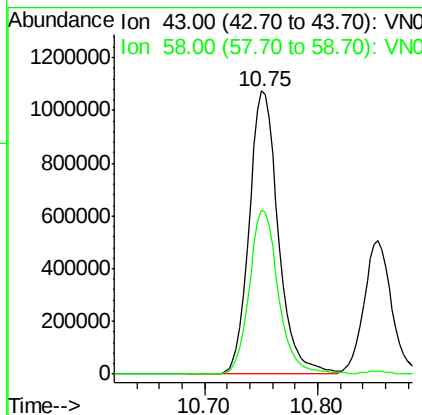
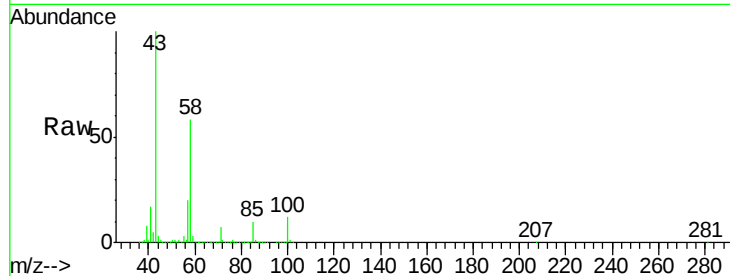
#59
2-Hexanone
Concen: 584.433 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053562.D
Acq: 30 Jan 2019 10:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 43 Resp: 1920300
Ion Ratio Lower Upper
43 100
58 57.8 28.6 85.8

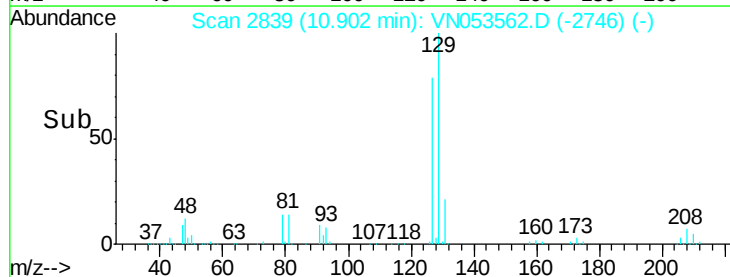
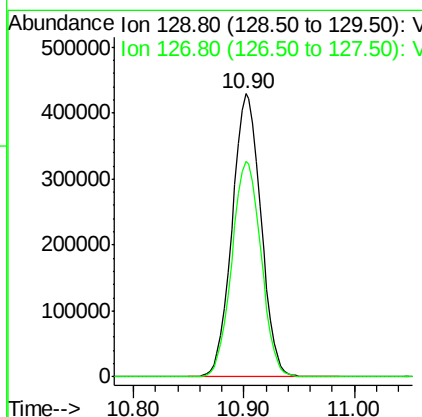
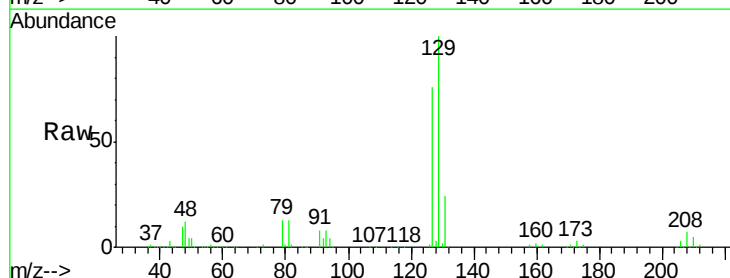
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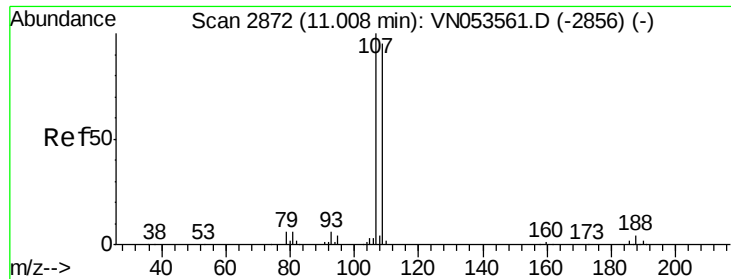
MMDadoda
2/1/2019 9:18:29 AM



#60
Dibromochloromethane
Concen: 112.656 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053562.D
Acq: 30 Jan 2019 10:39

Tgt Ion: 129 Resp: 777198
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.8





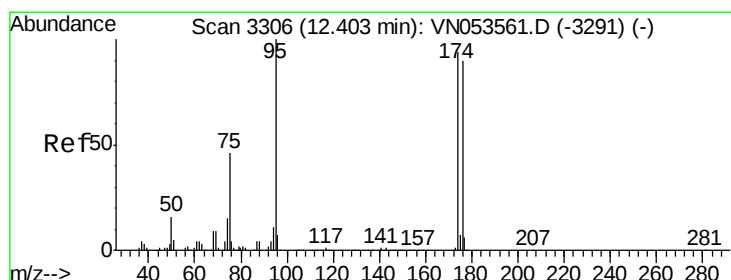
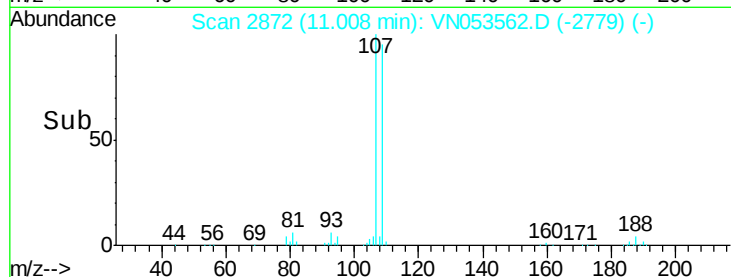
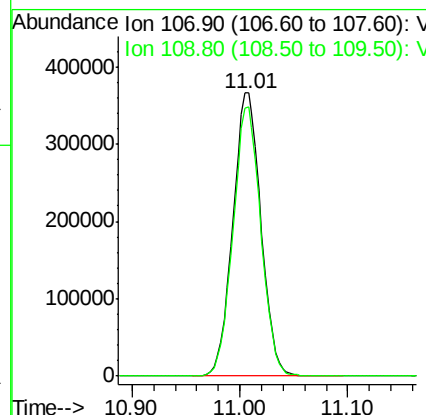
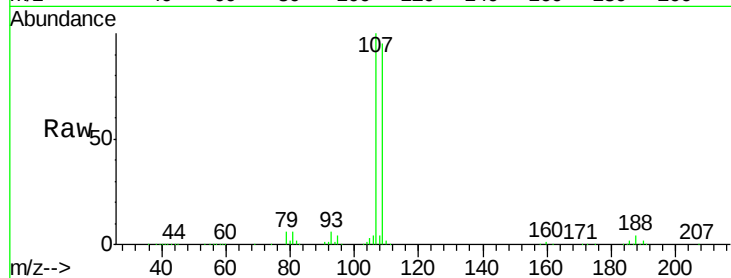
#61
1,2-Dibromoethane
Concen: 107.620 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN053562.D
Acq: 30 Jan 2019 10:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	662318		
109	94.6	75.7	113.5	

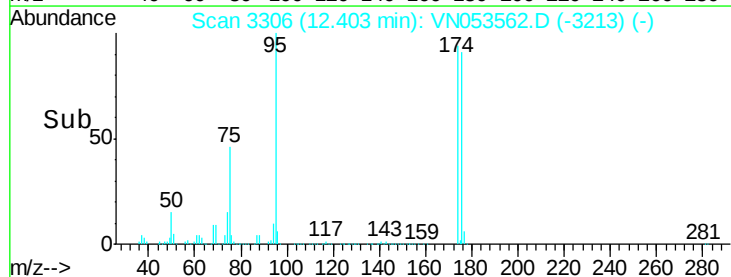
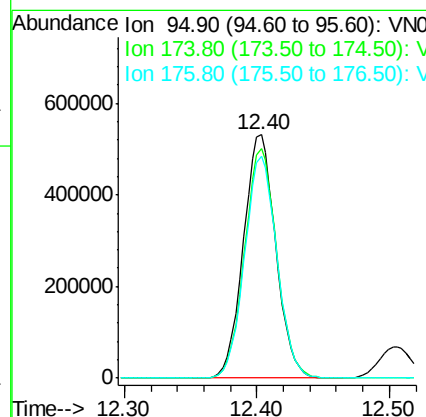
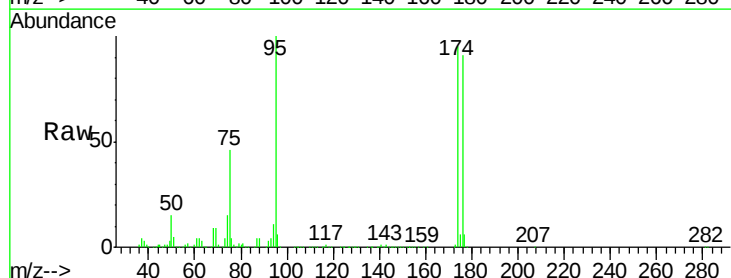
Manual Integrations
APPROVED

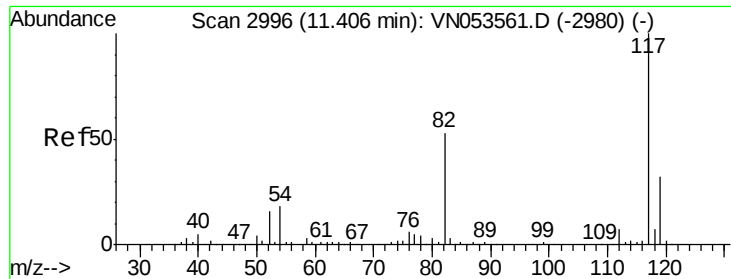
MMDadoda
2/1/2019 9:18:29 AM



#62
4-Bromofluorobenzene
Concen: 110.967 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN053562.D
Acq: 30 Jan 2019 10:39

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	898305		
174	94.1	0.0	183.2	
176	91.1	0.0	177.4	





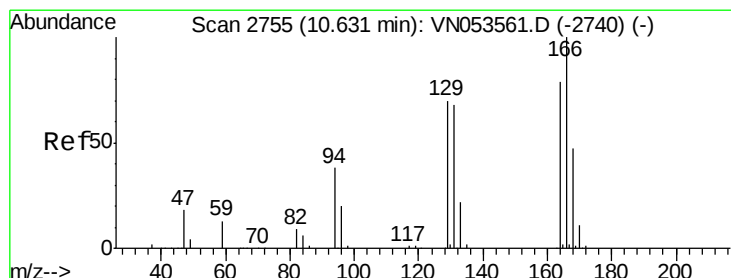
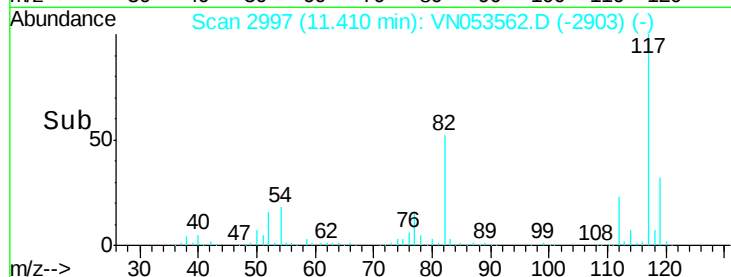
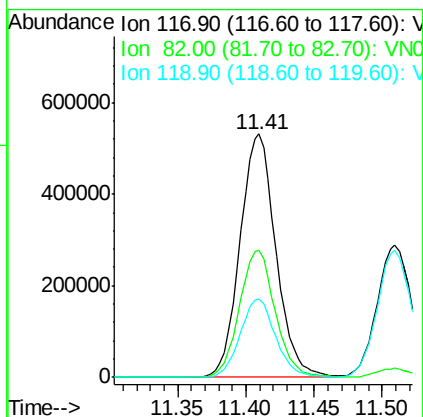
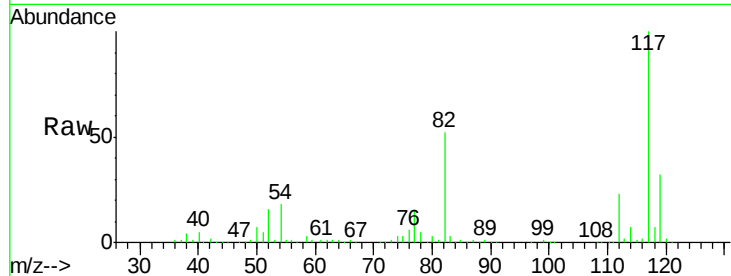
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053562.D
Acq: 30 Jan 2019 10:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	966800		
82	52.2	42.9	64.3	
119	32.1	26.0	39.0	

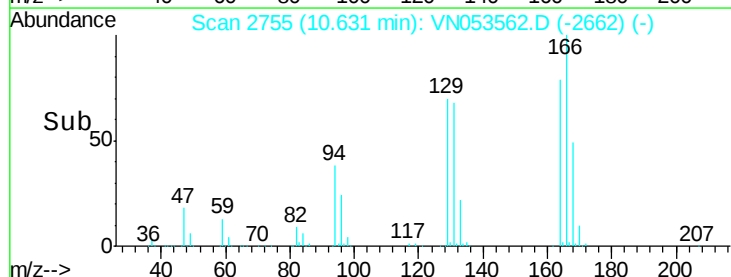
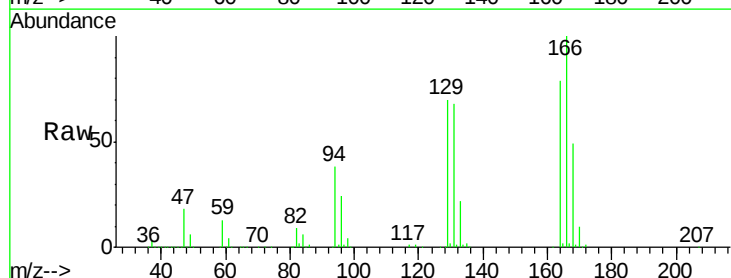
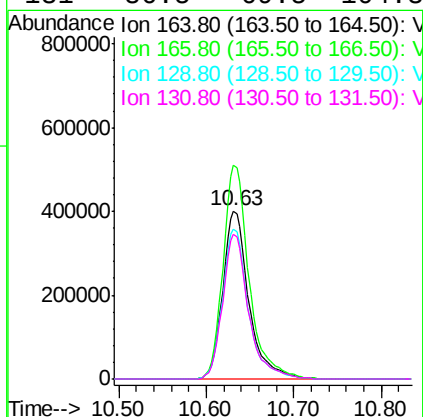
Manual Integrations
APPROVED

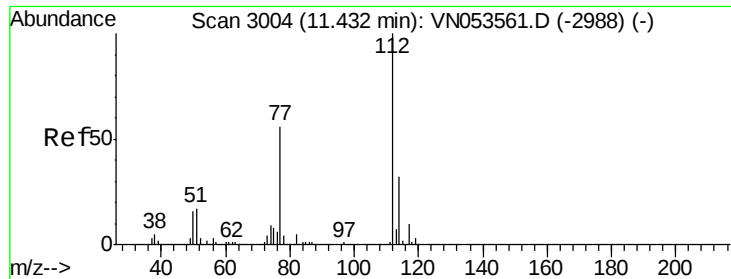
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2/1/2019 9:18:29 AM



#64
Tetrachloroethene
Concen: 98.896 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053562.D
Acq: 30 Jan 2019 10:39

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	827002		
166	127.2	102.2	153.4	
129	89.5	72.6	109.0	
131	86.5	69.5	104.3	





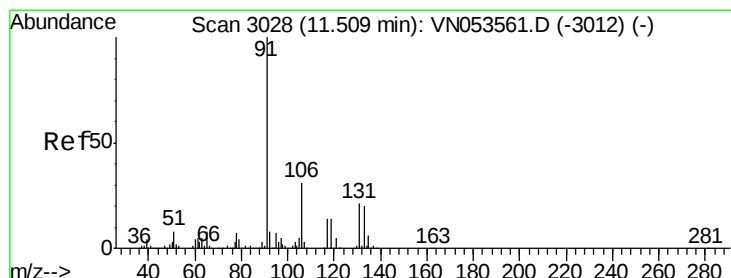
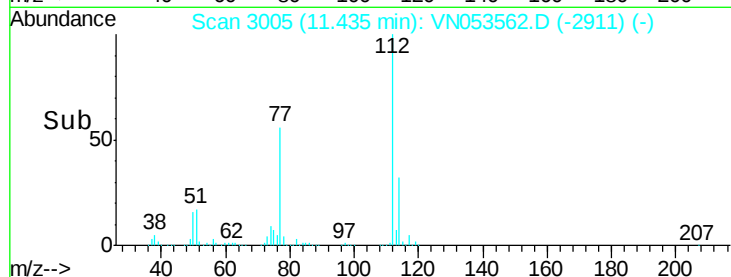
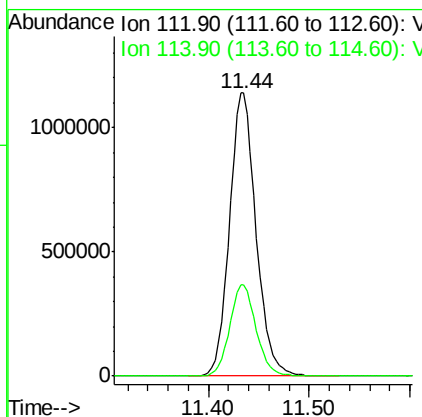
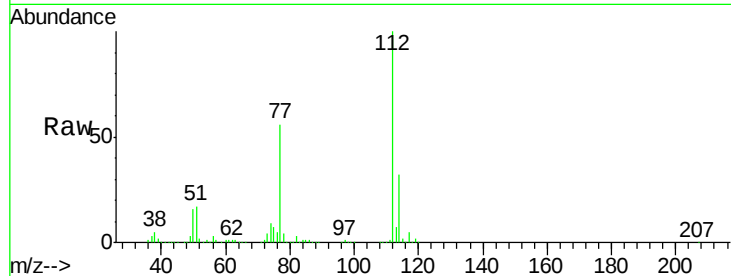
#65
Chlorobenzene
Concen: 101.844 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN053562.D
Acq: 30 Jan 2019 10:39

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tgt Ion:112 Resp: 2081864
Ion Ratio Lower Upper
112 100
114 32.2 25.3 37.9

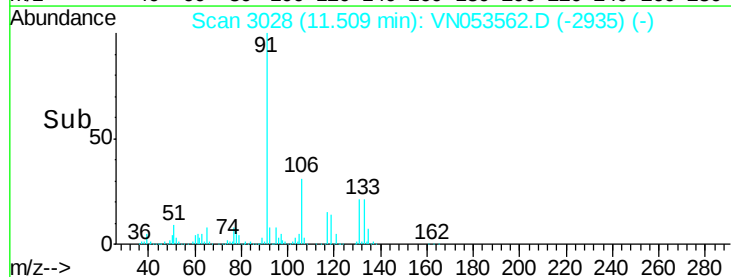
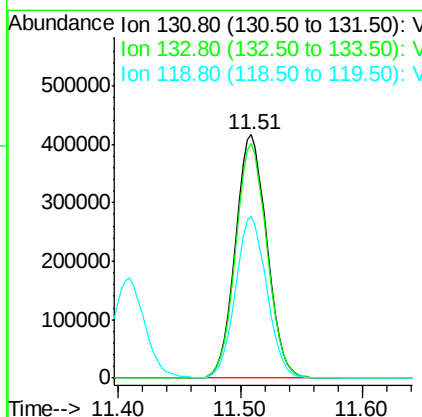
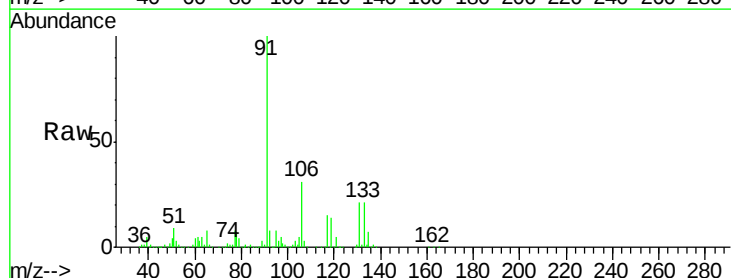
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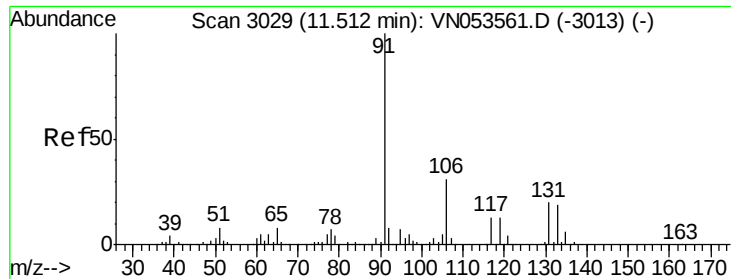
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#66
1,1,1,2-Tetrachloroethane
Concen: 105.377 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053562.D
Acq: 30 Jan 2019 10:39

Tgt Ion:131 Resp: 743093
Ion Ratio Lower Upper
131 100
133 95.9 48.0 144.0
119 66.0 33.5 100.5





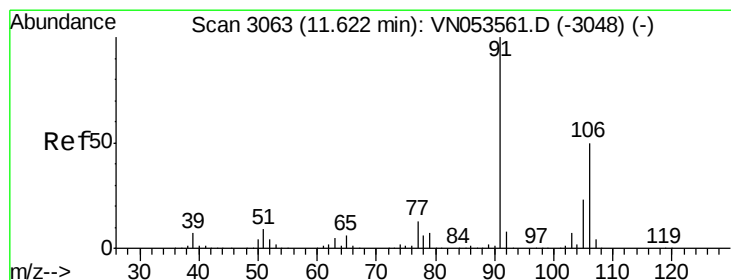
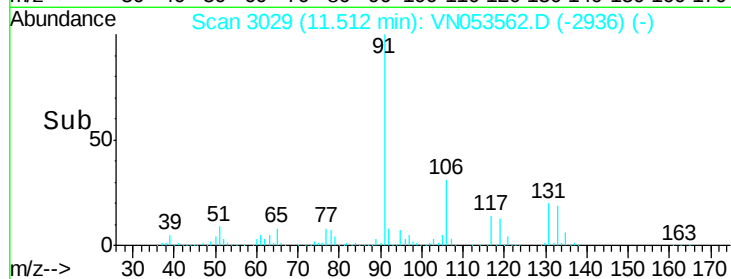
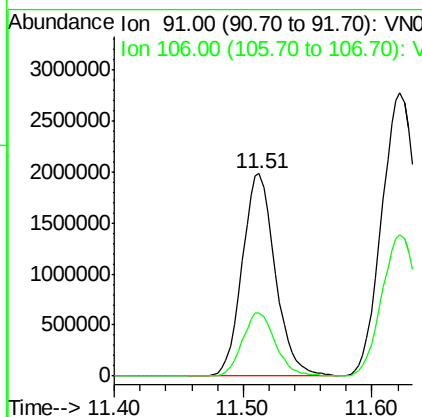
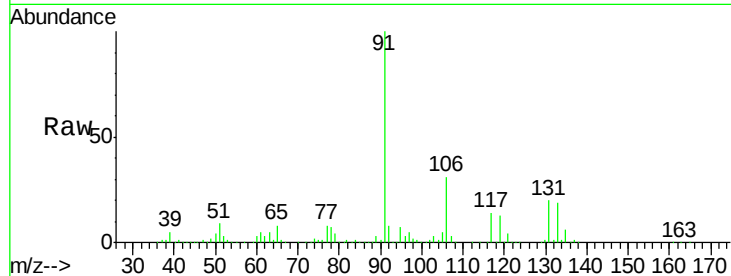
#67
Ethyl Benzene
Concen: 106.981 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053562.D
Acq: 30 Jan 2019 10:39

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tgt Ion: 91 Resp: 3530158
Ion Ratio Lower Upper
91 100
106 31.5 25.0 37.6

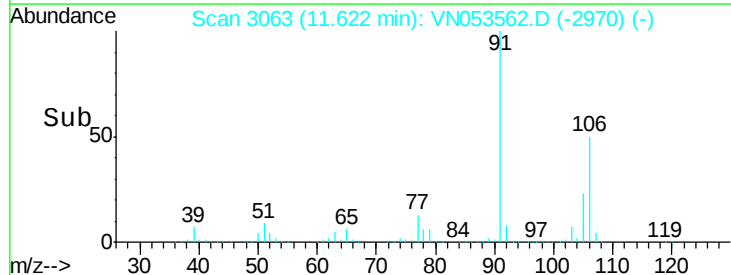
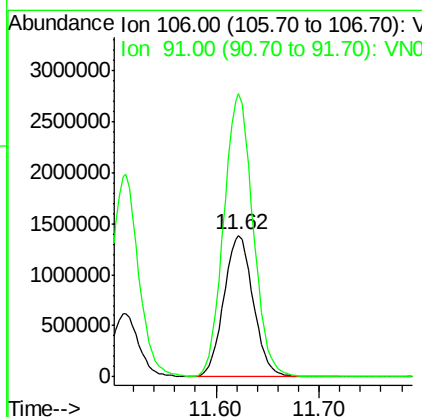
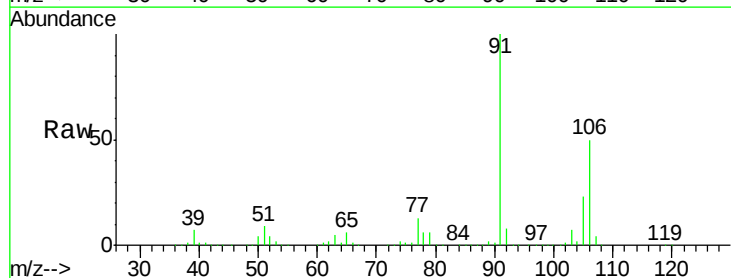
Manual Integrations
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#68
m/p-Xylenes
Concen: 219.229 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053562.D
Acq: 30 Jan 2019 10:39

Tgt Ion: 106 Resp: 2744088
Ion Ratio Lower Upper
106 100
91 199.7 161.4 242.2





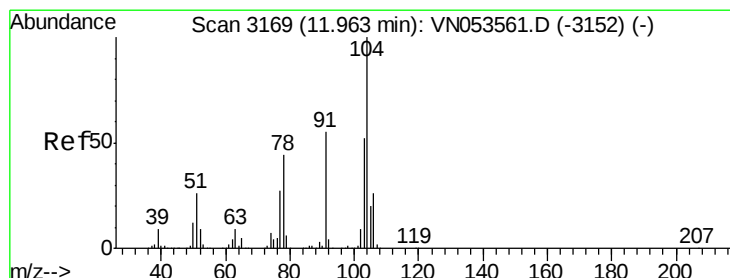
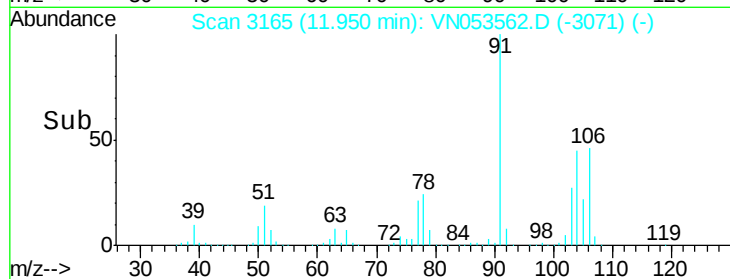
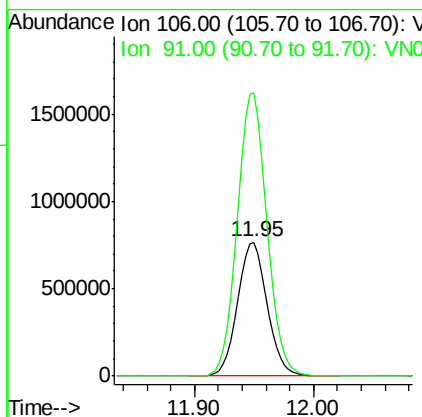
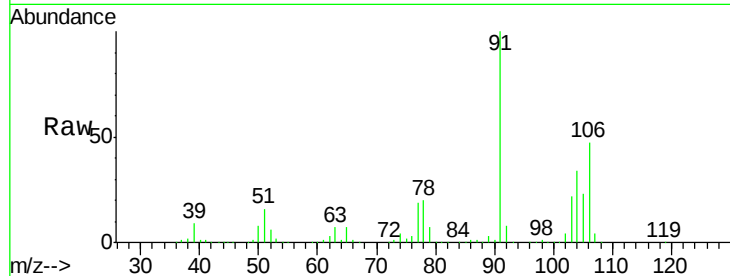
#69
o-Xylene
Concen: 109.096 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN053562.D
Acq: 30 Jan 2019 10:39

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tgt Ion:106 Resp: 1320242
Ion Ratio Lower Upper
106 100
91 212.2 106.9 320.8

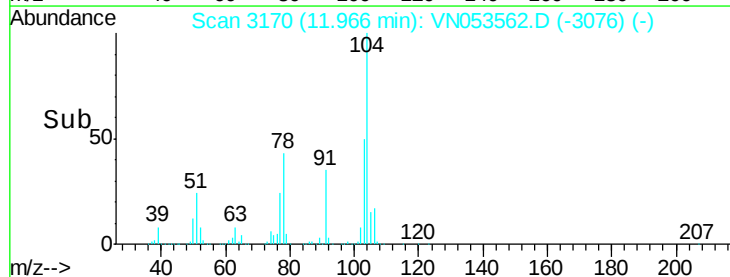
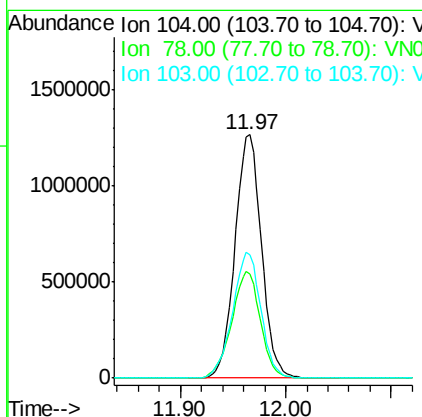
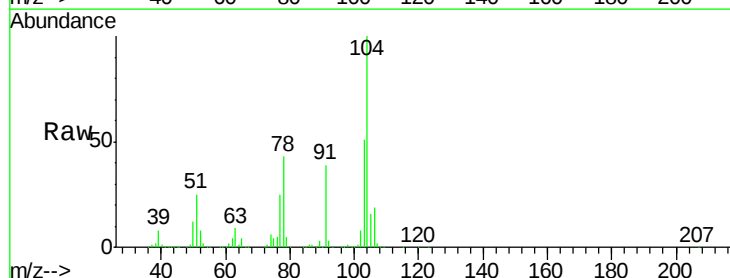
Manual Integrations
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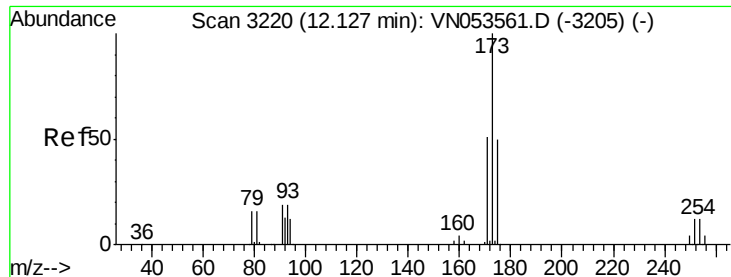
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#70
Styrene
Concen: 113.412 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN053562.D
Acq: 30 Jan 2019 10:39

Tgt Ion:104 Resp: 2194250
Ion Ratio Lower Upper
104 100
78 47.4 38.2 57.2
103 55.1 44.4 66.6





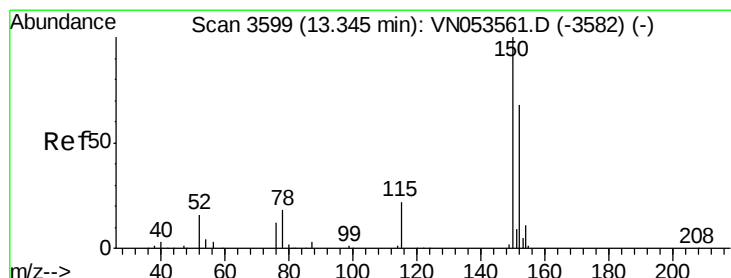
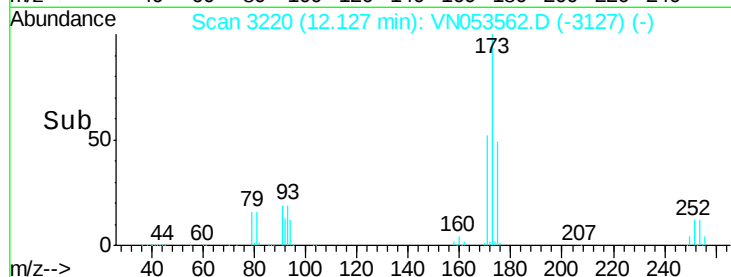
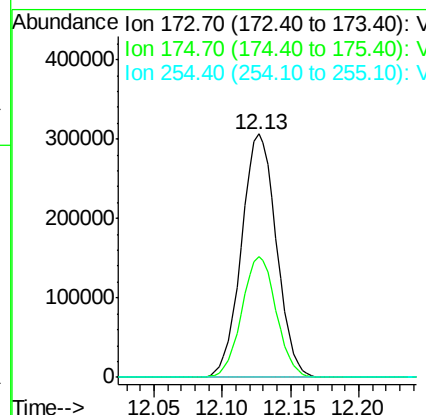
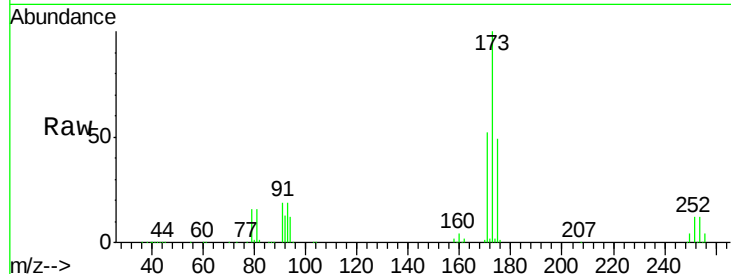
#71
Bromoform
Concen: 117.384 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053562.D
Acq: 30 Jan 2019 10:39

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.6	74.0
254	0.1	0.2	0.2

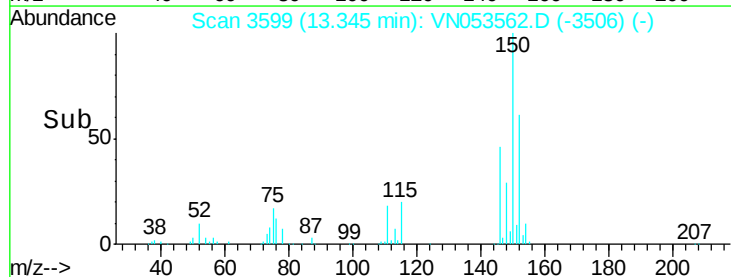
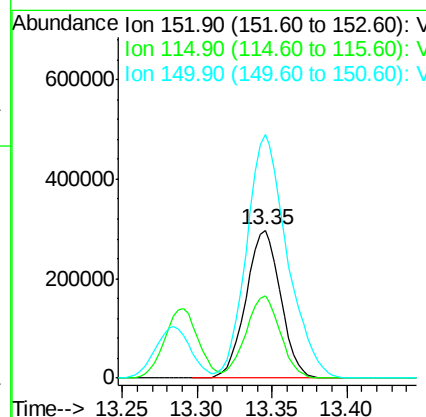
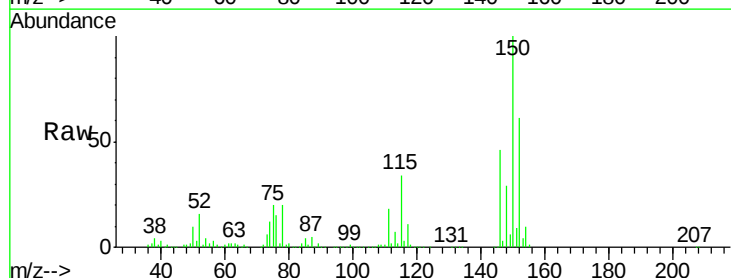
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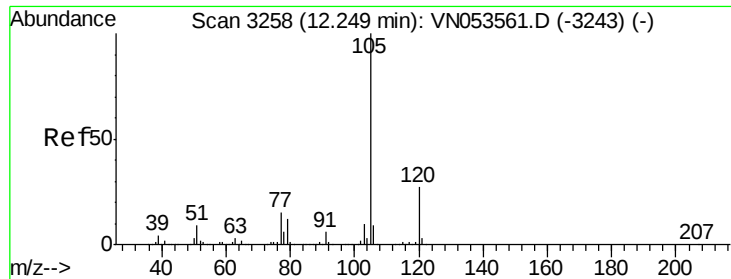
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053562.D
Acq: 30 Jan 2019 10:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	27.8	83.4
150	192.9	0.0	349.0





#73

Isopropylbenzene

Concen: 101.263 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053562.D

Acq: 30 Jan 2019 10:39

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tgt Ion: 105 Resp: 3398050

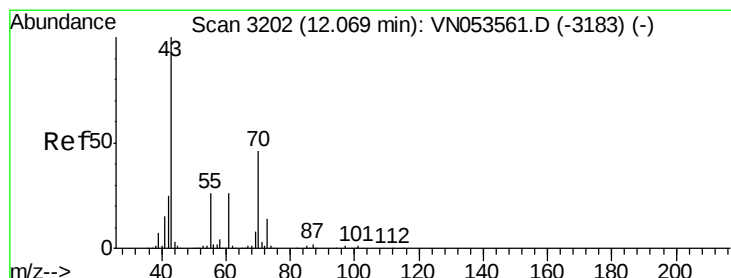
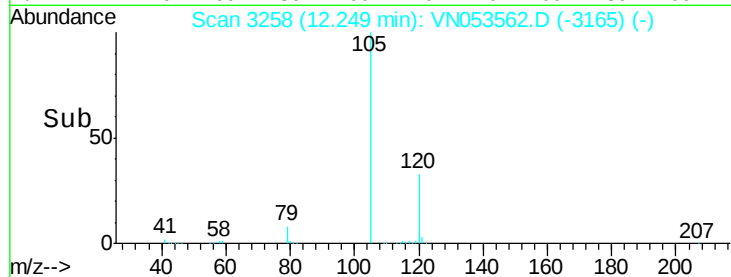
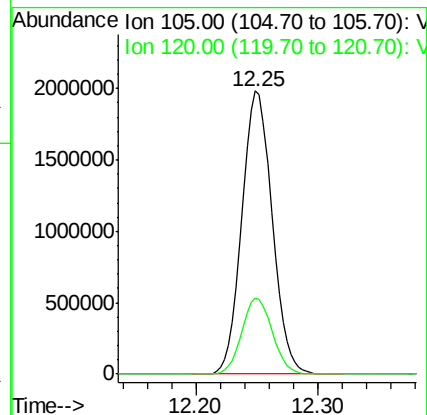
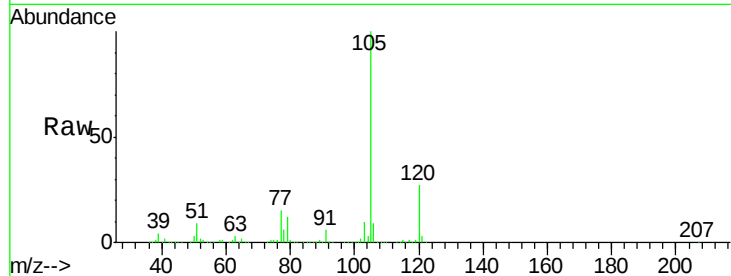
Ion Ratio Lower Upper

105 100

120 27.0 13.6 40.7

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#74

N-ethyl acetate

Concen: 115.497 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053562.D

Acq: 30 Jan 2019 10:39

Tgt Ion: 43 Resp: 885925

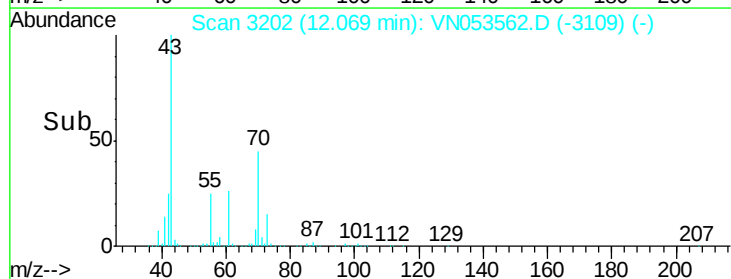
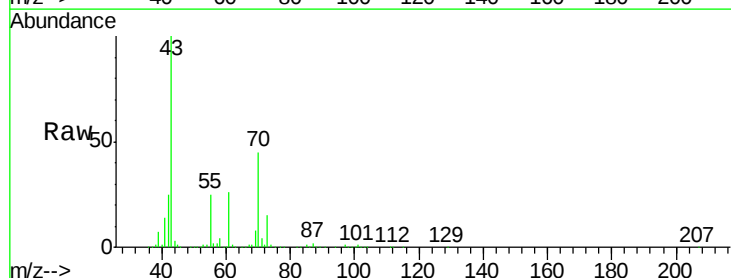
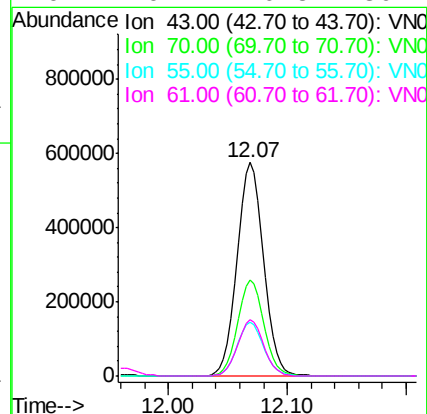
Ion Ratio Lower Upper

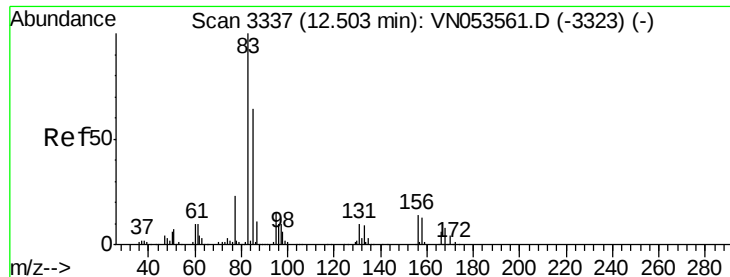
43 100

70 44.6 35.4 53.2

55 25.5 20.9 31.3

61 26.1 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 97.696 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053562.D

Acq: 30 Jan 2019 10:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 83 Resp: 794374
Ion Ratio Lower Upper

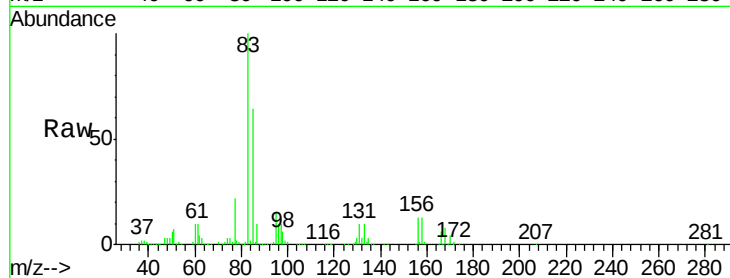
83 100

131 10.5 5.3 15.8

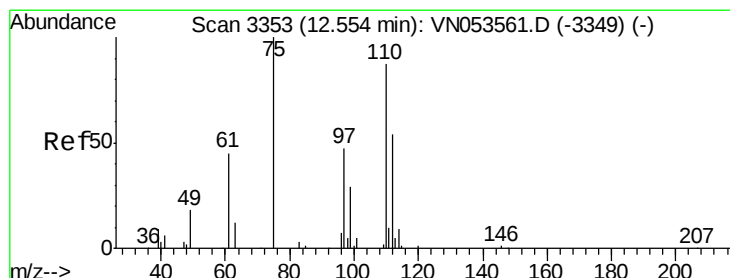
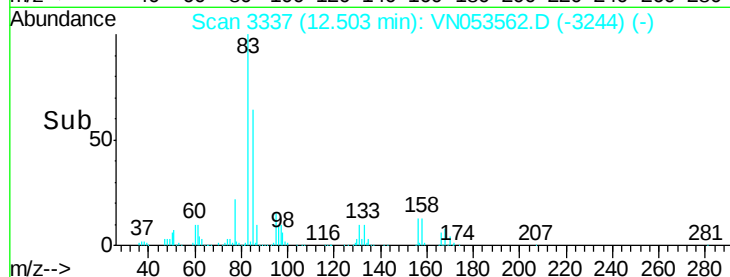
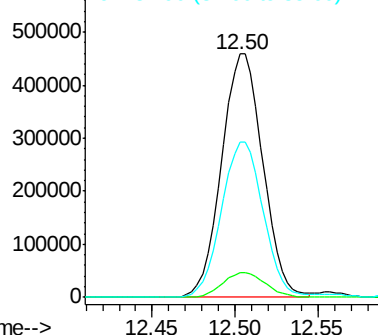
85 64.3 32.1 96.3

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN053561.D (-3323) (-)
Ion 130.80 (130.50 to 131.50): VN053561.D (-3323) (-)
Ion 84.90 (84.60 to 85.60): VN053561.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 99.407 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

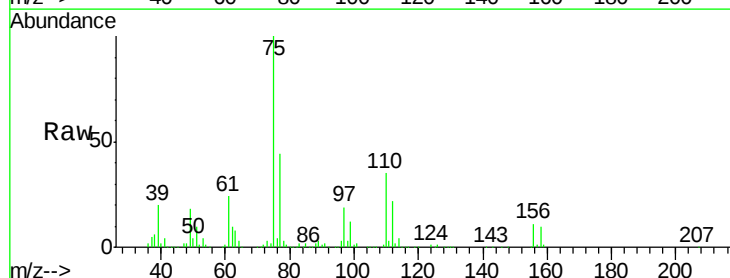
Lab File: VN053562.D

Acq: 30 Jan 2019 10:39

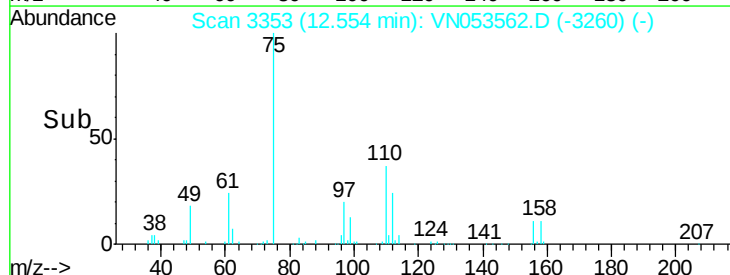
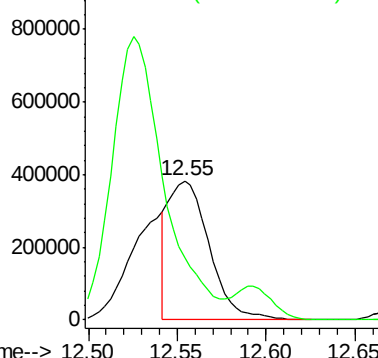
Tgt Ion: 75 Resp: 611283
Ion Ratio Lower Upper

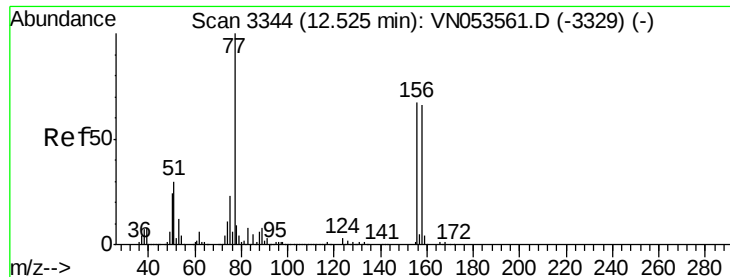
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN053561.D (-3349) (-)
Ion 77.00 (76.70 to 77.70): VN053561.D (-3349) (-)





#77

Bromobenzene

Concen: 102.690 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053562.D

Acq: 30 Jan 2019 10:39

Instrument :

MSVOA_N

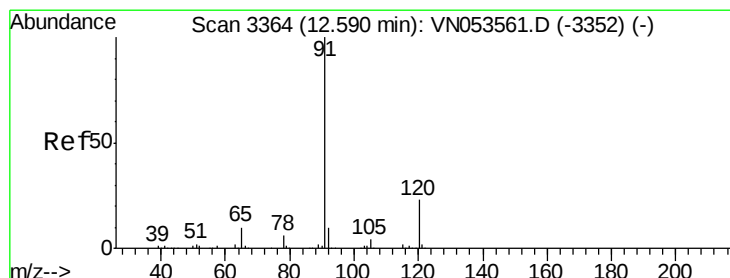
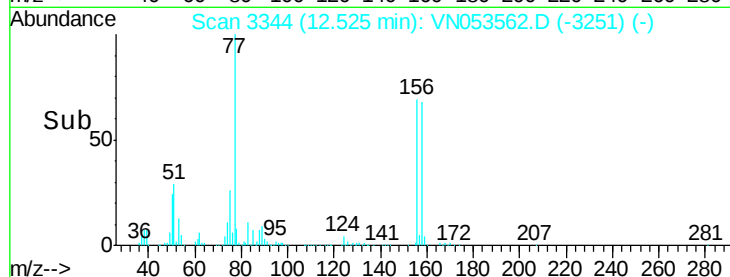
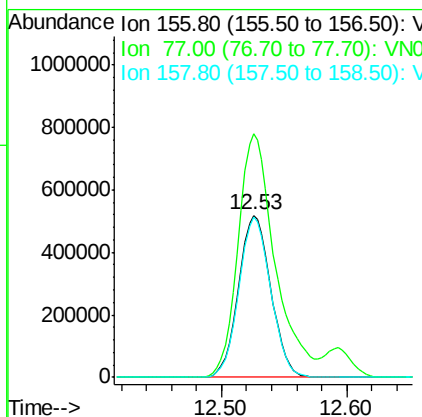
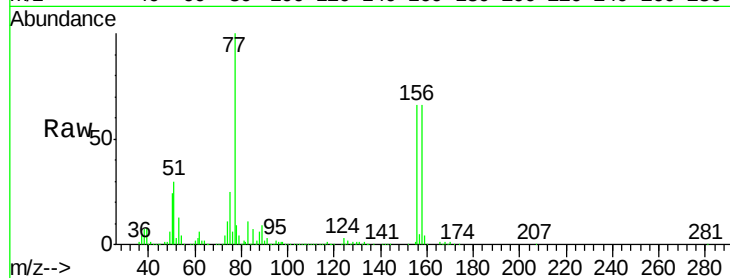
ClientSampled :

VSTDIC100

Tgt Ion:	156	Resp:	923908
Ion Ratio	Lower	Upper	
156	100		
77	173.1	87.9	263.8
158	98.0	48.8	146.4

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#78

n-propylbenzene

Concen: 104.644 ug/l

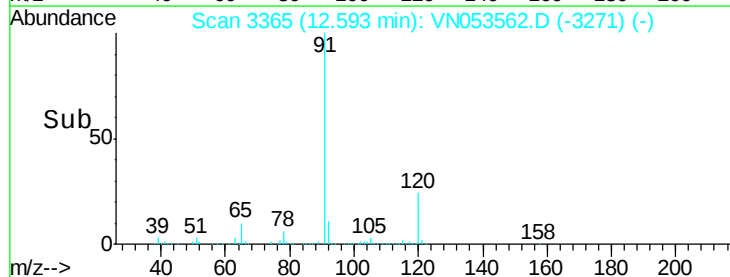
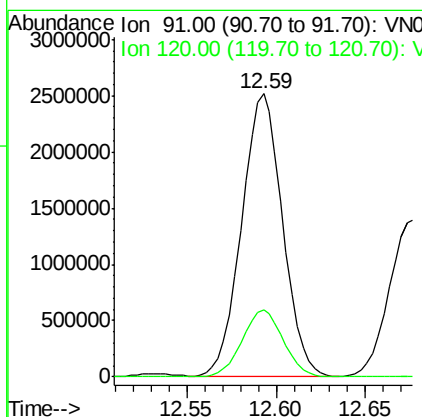
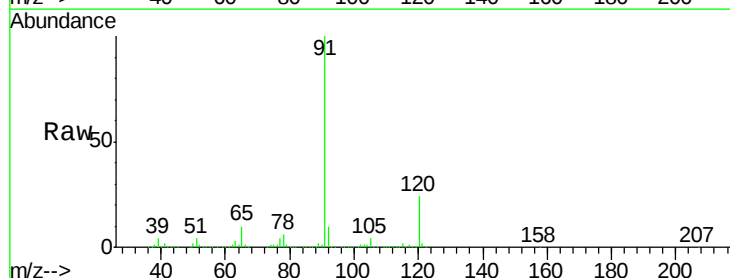
RT: 12.59 min Scan# 3365

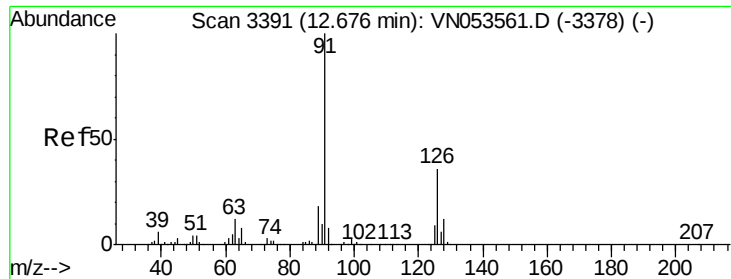
Delta R.T. 0.00 min

Lab File: VN053562.D

Acq: 30 Jan 2019 10:39

Tgt Ion:	91	Resp:	4015500
Ion Ratio	Lower	Upper	
91	100		
120	23.9	11.9	35.5





#79

2-Chlorotoluene

Concen: 101.028 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053562.D

Acq: 30 Jan 2019 10:39

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tgt Ion: 91 Resp: 2324773

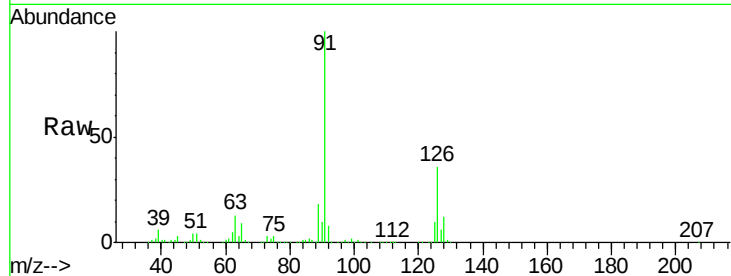
Ion Ratio Lower Upper

91 100

126 36.0 17.9 53.7

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

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

2500000

2000000

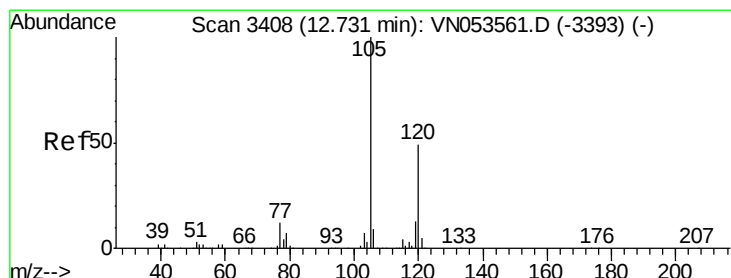
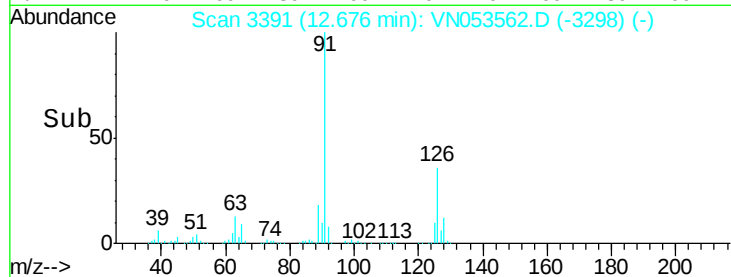
1500000

1000000

500000

0

Time--> 12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 106.436 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053562.D

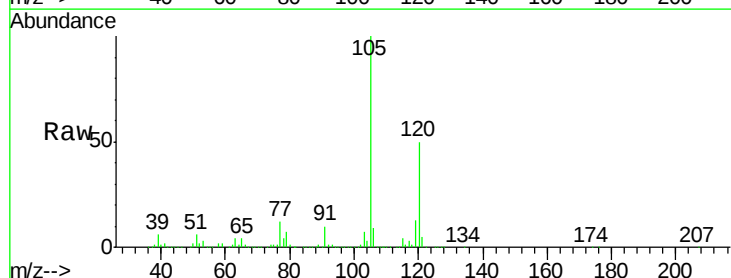
Acq: 30 Jan 2019 10:39

Tgt Ion: 105 Resp: 2911931

Ion Ratio Lower Upper

105 100

120 50.0 24.9 74.6



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

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

2000000

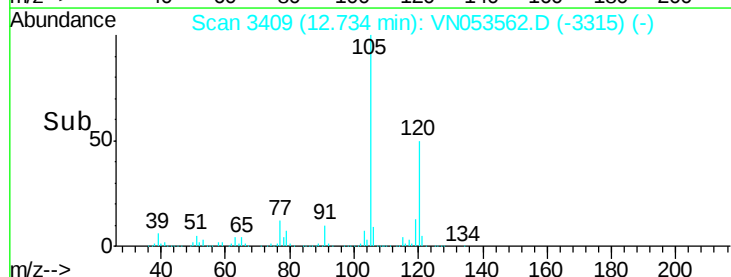
1500000

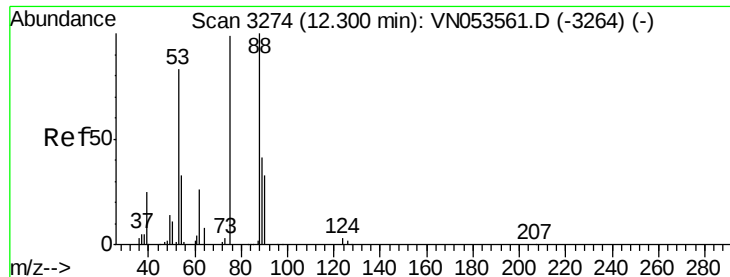
1000000

500000

0

Time--> 12.60 12.70 12.80 12.90





#81

trans-1,4-Dichloro-2-butene

Concen: 114.777 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053562.D

Acq: 30 Jan 2019 10:39

Instrument :

MSVOA_N

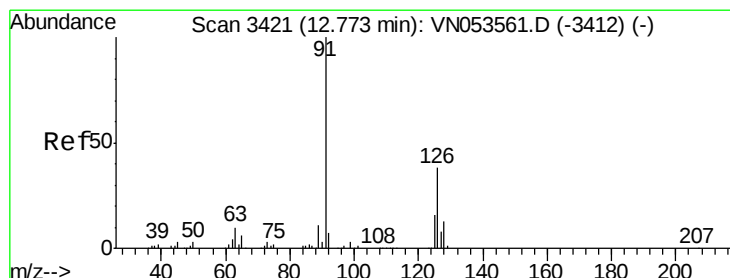
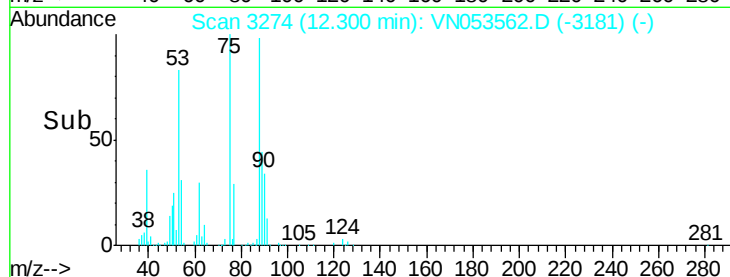
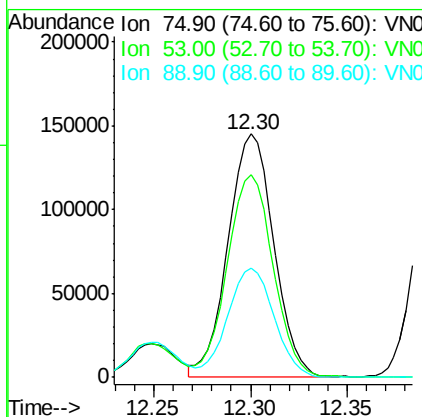
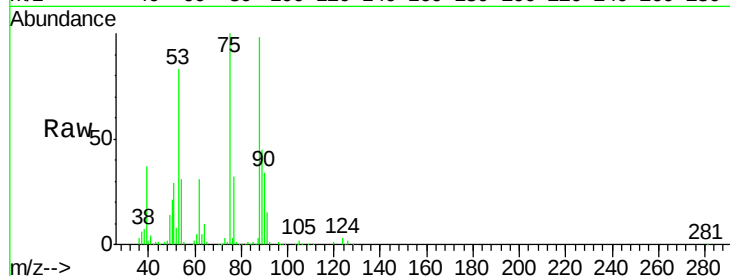
ClientSampleId :

VSTDIC100

Tgt Ion:	75	Resp:	236522
Ion	Ratio	Lower	Upper
75	100		
53	85.3	69.8	104.6
89	46.1	35.6	53.4

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#82

4-Chlorotoluene

Concen: 103.912 ug/l

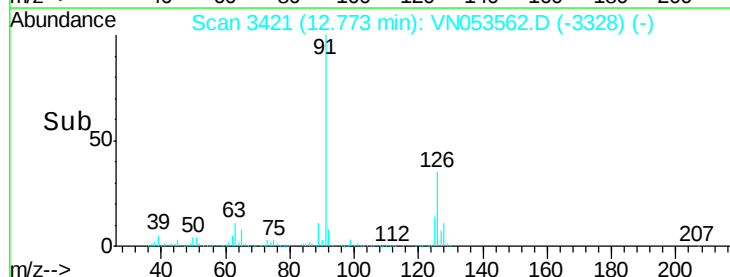
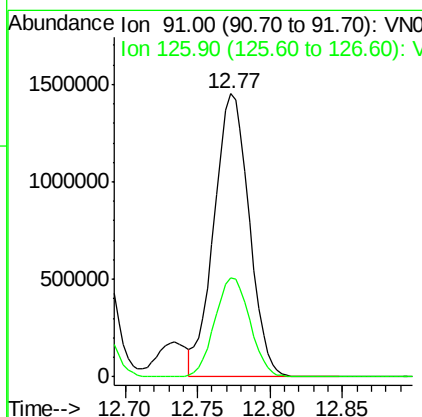
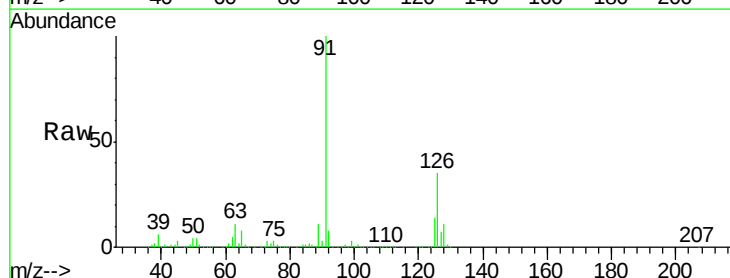
RT: 12.77 min Scan# 3421

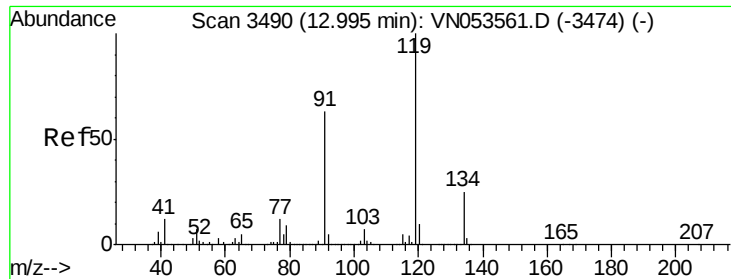
Delta R.T. 0.00 min

Lab File: VN053562.D

Acq: 30 Jan 2019 10:39

Tgt Ion:	91	Resp:	2432104
Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.6	52.9





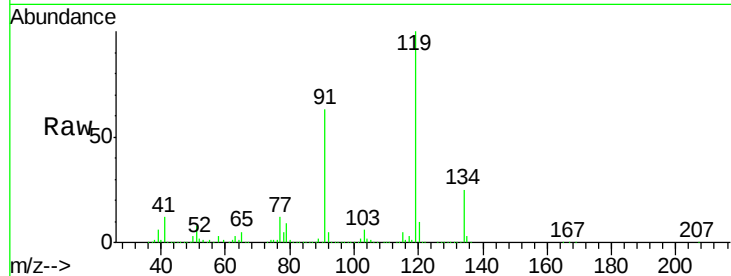
#83
 tert-Butylbenzene
 Concen: 101.563 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053562.D
 Acq: 30 Jan 2019 10:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

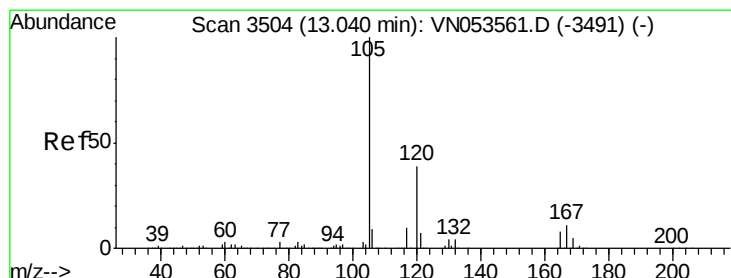
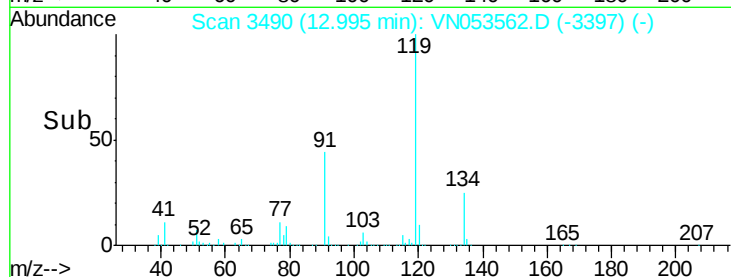
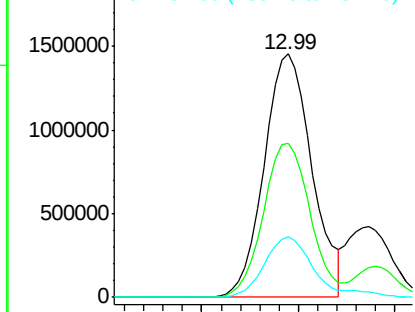
Tgt Ion:119 Resp: 2496116
 Ion Ratio Lower Upper
 119 100
 91 62.1 31.3 93.8
 134 26.1 12.9 38.7

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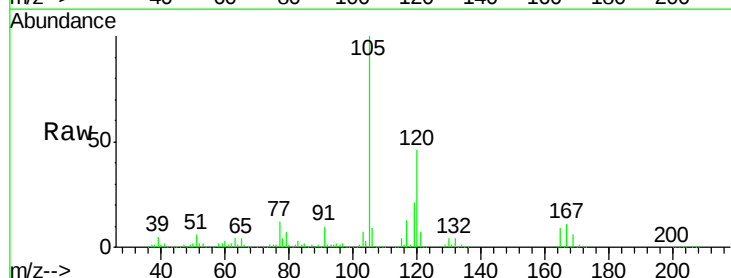


Abundance Ion 119.00 (118.70 to 119.70): V
 2000000
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

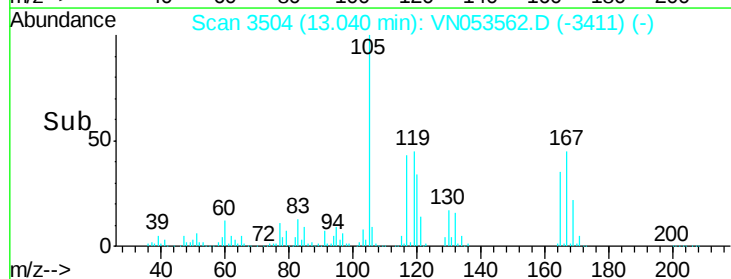
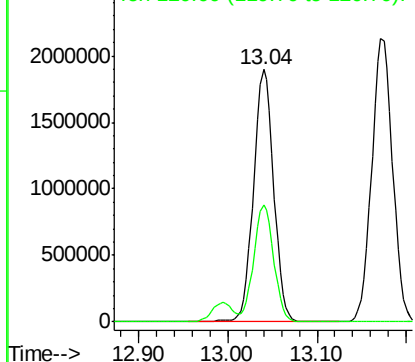


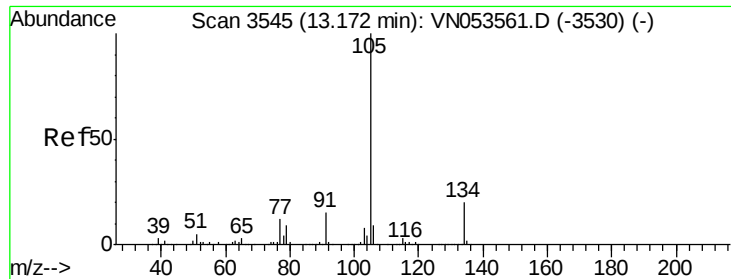
#84
 1,2,4-Trimethylbenzene
 Concen: 107.728 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053562.D
 Acq: 30 Jan 2019 10:39

Tgt Ion:105 Resp: 2994459
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V
 2500000
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 103.559 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053562.D

Acq: 30 Jan 2019 10:39

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tgt Ion:105 Resp: 3441348

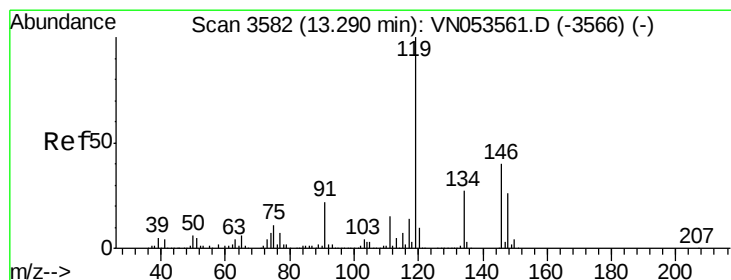
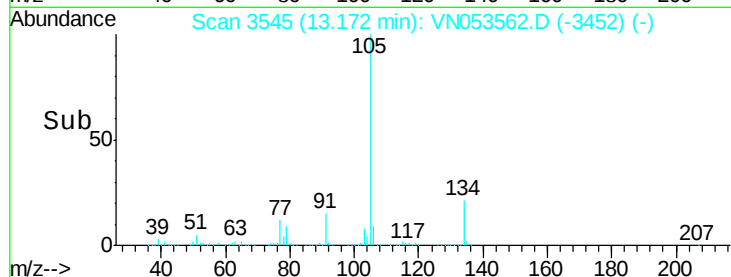
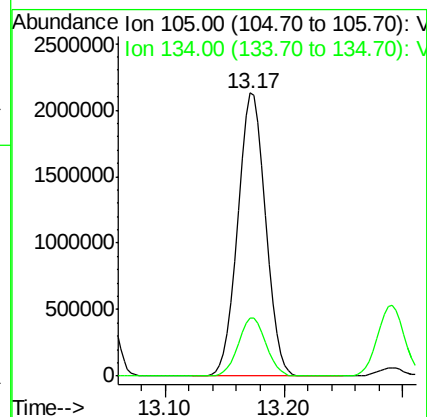
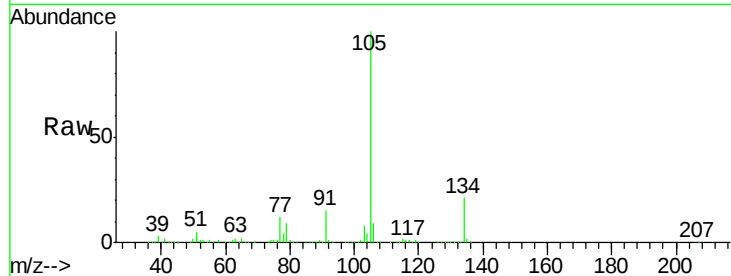
Ion Ratio Lower Upper

105 100

134 20.5 10.2 30.6

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#86

p-Isopropyltoluene

Concen: 107.224 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053562.D

Acq: 30 Jan 2019 10:39

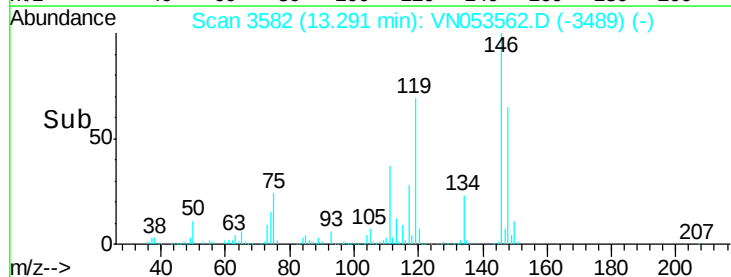
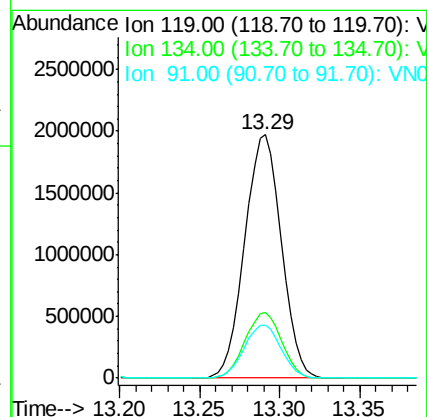
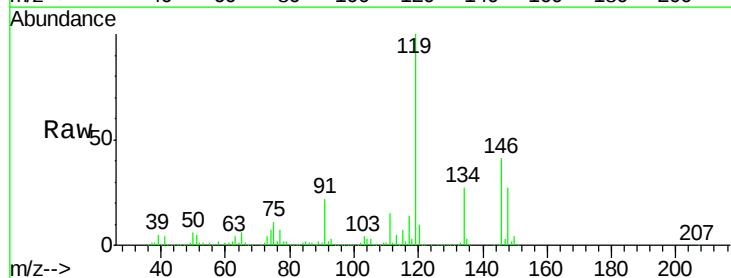
Tgt Ion:119 Resp: 3074620

Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.4

91 22.0 11.0 33.0





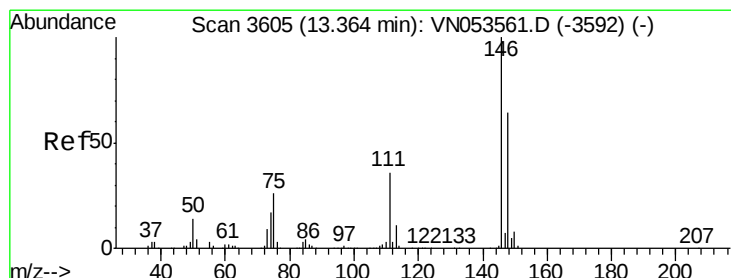
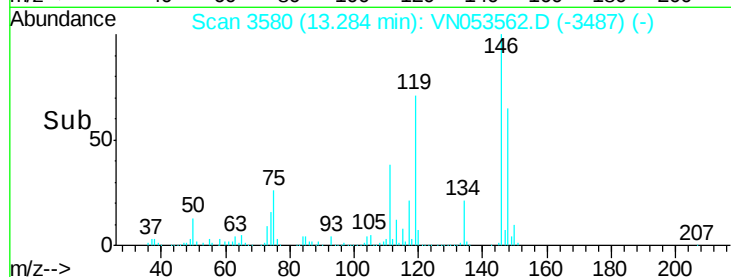
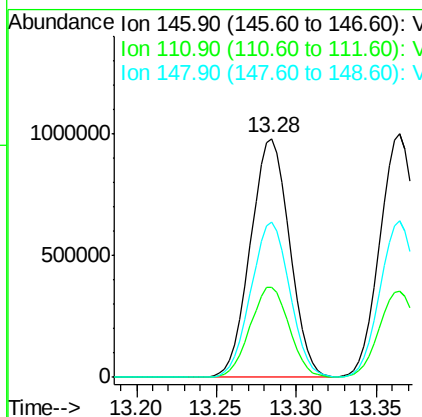
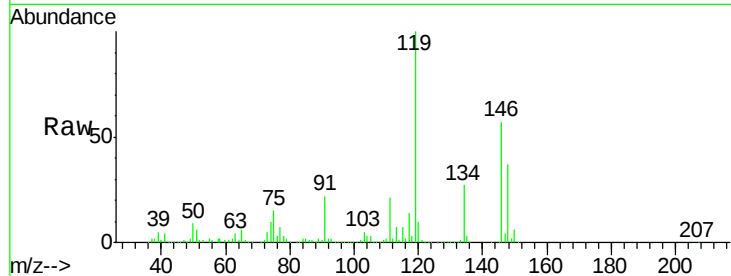
#87
 1,3-Dichlorobenzene
 Concen: 101.459 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053562.D
 Acq: 30 Jan 2019 10:39

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion:146 Resp: 1648588
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.8 56.3
 148 64.6 32.0 96.2

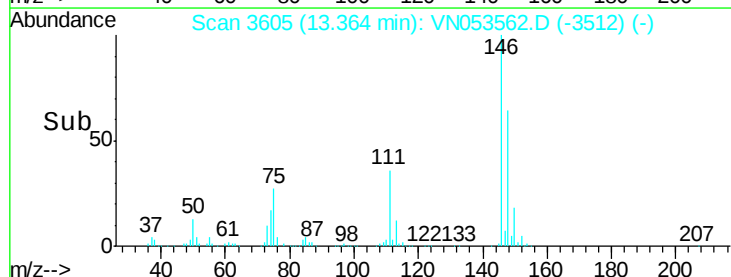
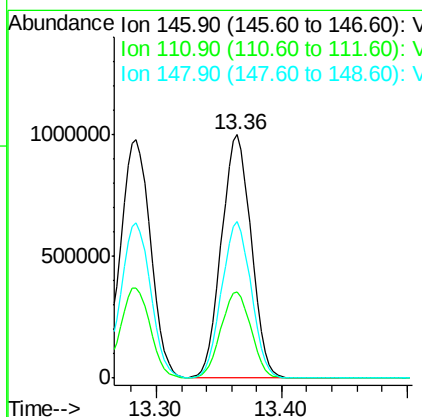
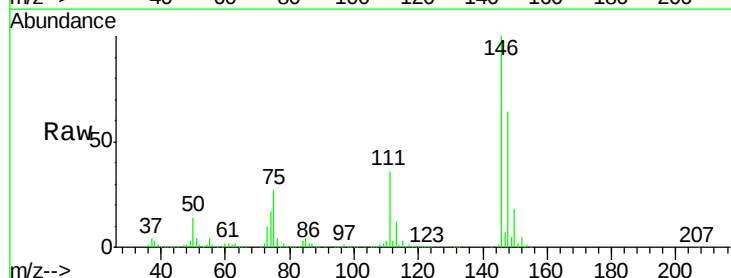
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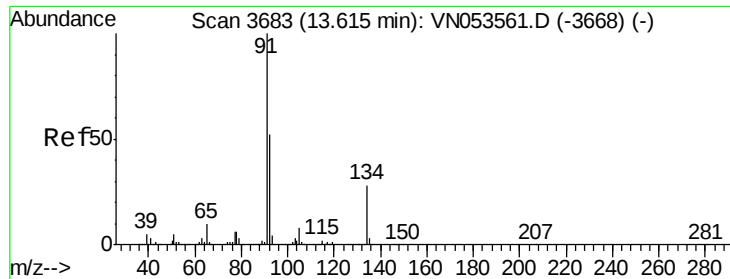
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#88
 1,4-Dichlorobenzene
 Concen: 102.461 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053562.D
 Acq: 30 Jan 2019 10:39

Tgt Ion:146 Resp: 1641415
 Ion Ratio Lower Upper
 146 100
 111 36.1 18.6 55.8
 148 64.0 32.4 97.0





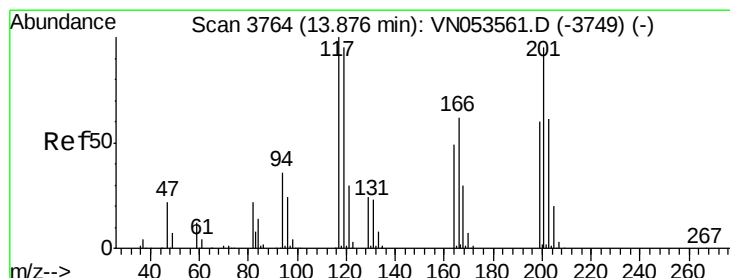
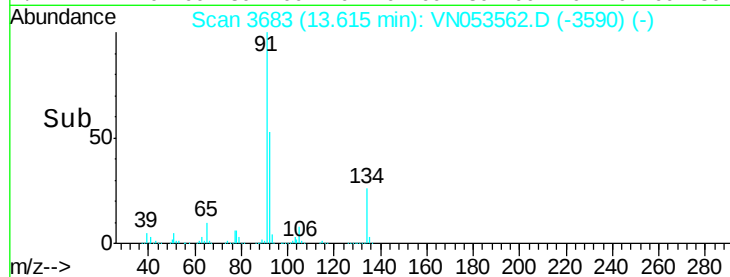
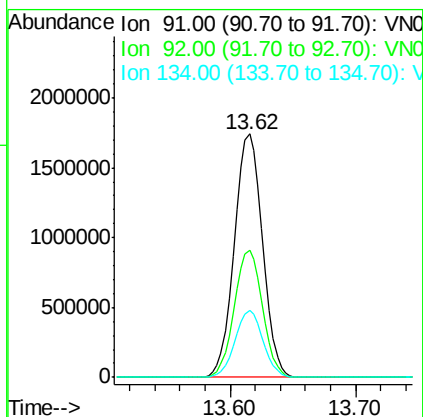
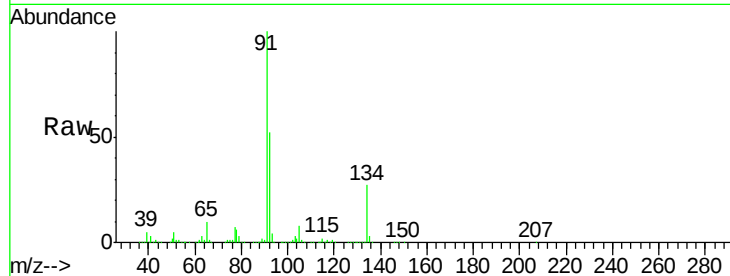
#89
n-Butylbenzene
Concen: 110.581 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053562.D
Acq: 30 Jan 2019 10:39

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tgt Ion: 91 Resp: 2713570
Ion Ratio Lower Upper
91 100
92 52.3 26.3 78.8
134 27.2 13.5 40.5

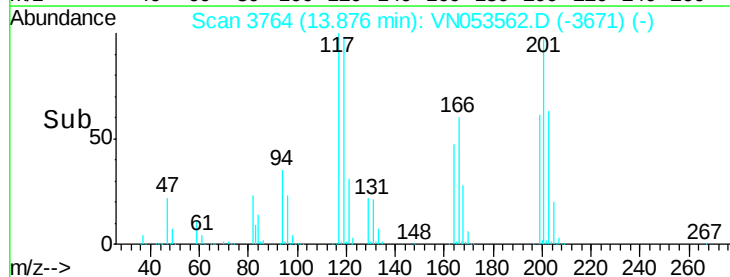
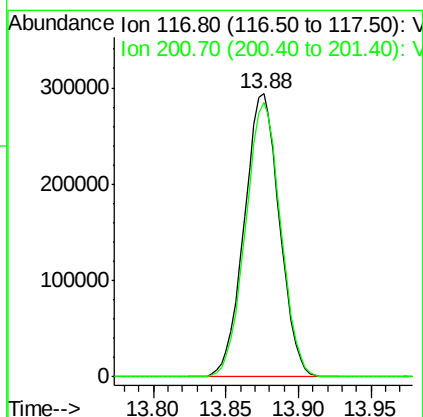
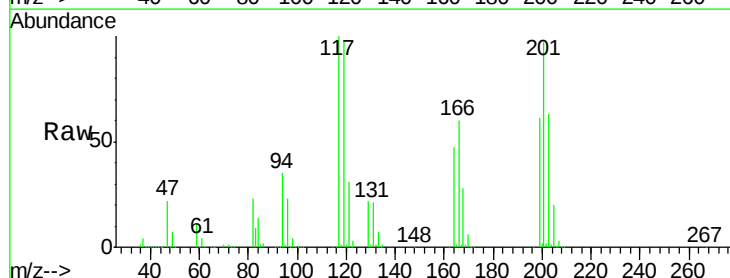
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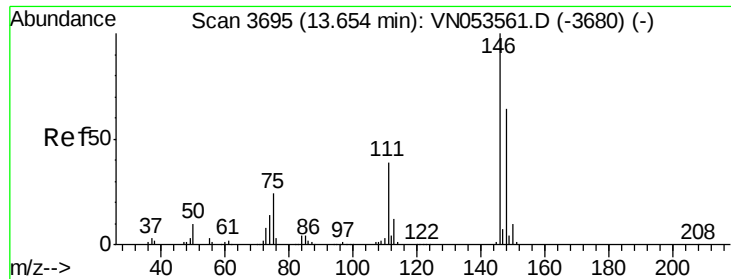
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#90
Hexachloroethane
Concen: 105.076 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN053562.D
Acq: 30 Jan 2019 10:39

Tgt Ion: 117 Resp: 497171
Ion Ratio Lower Upper
117 100
201 96.7 46.8 140.4





#91

1,2-Dichlorobenzene

Concen: 101.934 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053562.D

Acq: 30 Jan 2019 10:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 146 Resp: 1590689

Ion Ratio Lower Upper

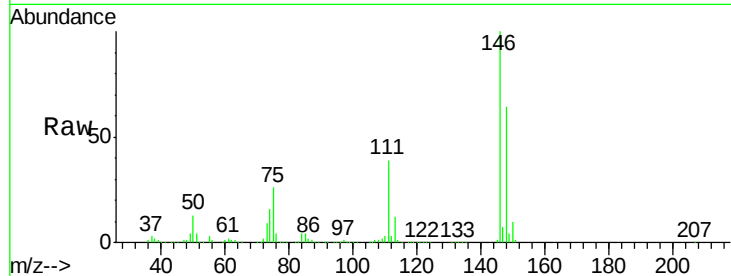
146 100

111 38.8 19.5 58.5

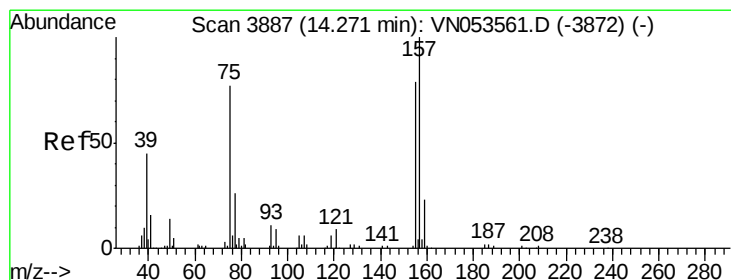
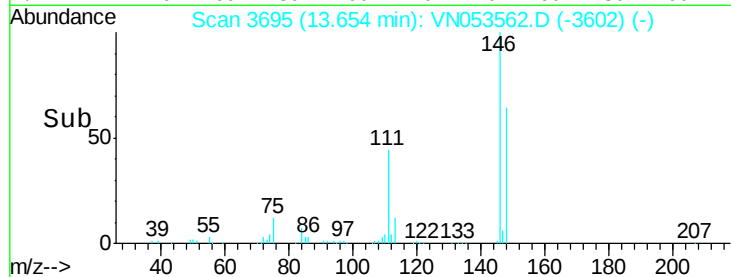
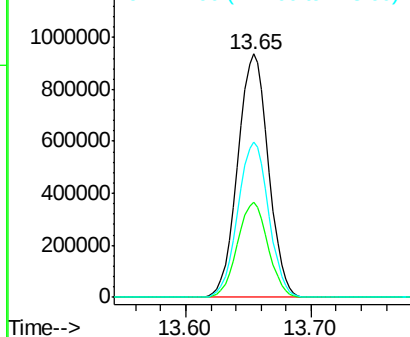
148 63.9 31.9 95.9

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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 106.257 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN053562.D

Acq: 30 Jan 2019 10:39

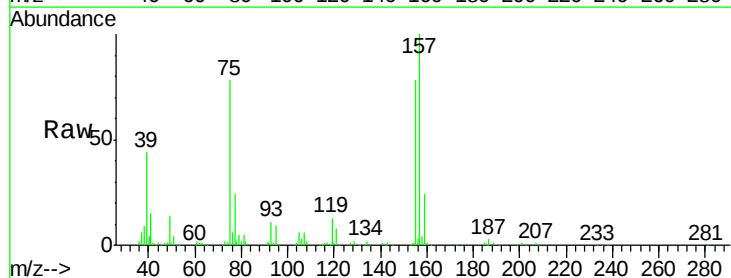
Tgt Ion: 75 Resp: 119794

Ion Ratio Lower Upper

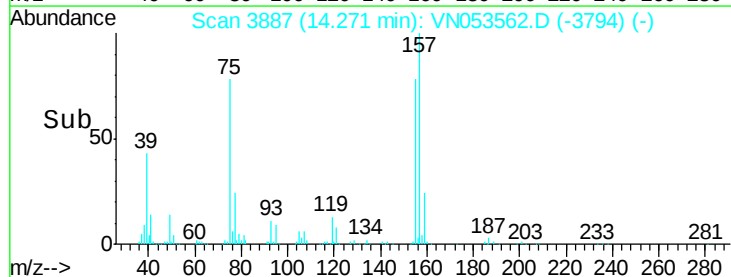
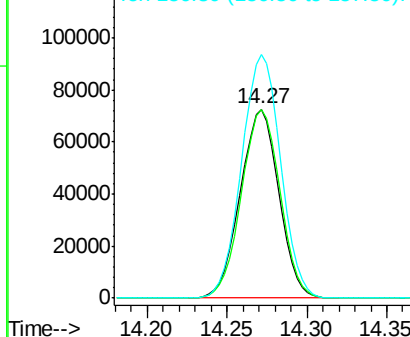
75 100

155 99.8 48.9 146.7

157 130.5 63.7 191.3



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





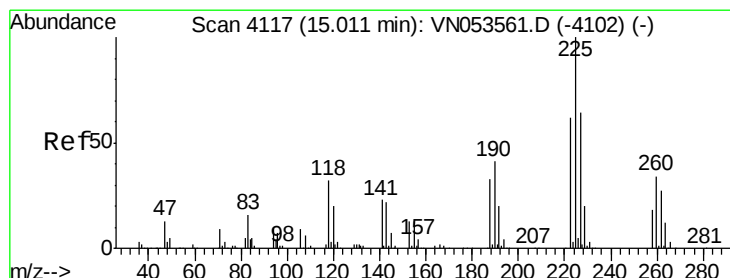
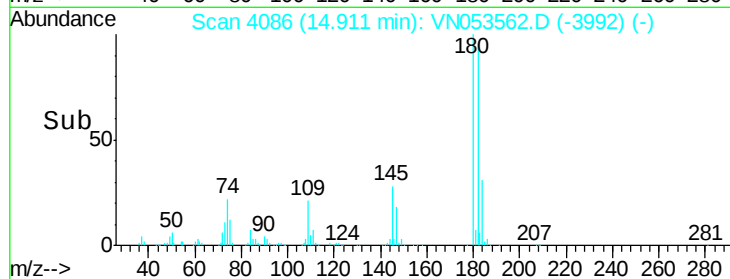
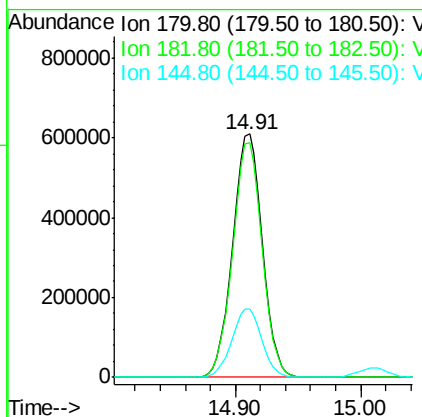
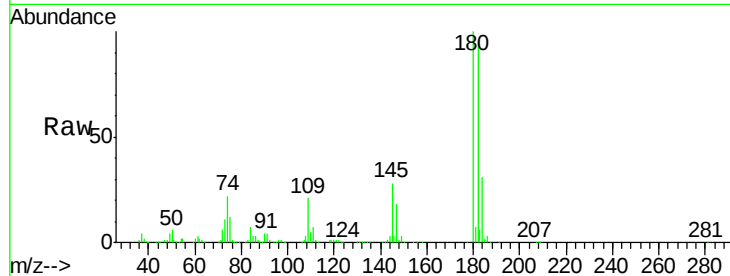
#93
 1,2,4-Trichlorobenzene
 Concen: 117.987 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053562.D
 Acq: 30 Jan 2019 10:39

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	999015		
182	95.9	48.1	144.3	
145	28.3	13.9	41.6	

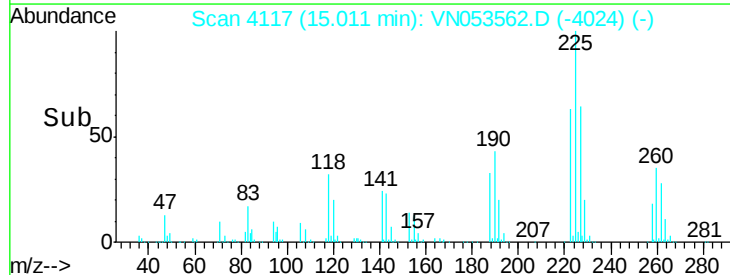
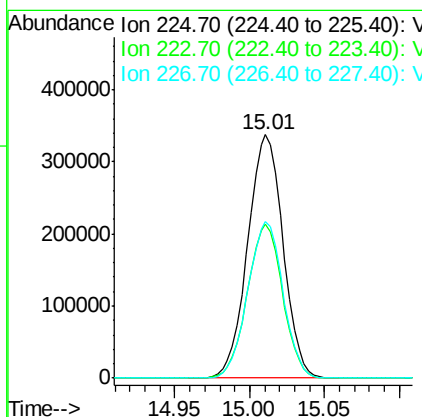
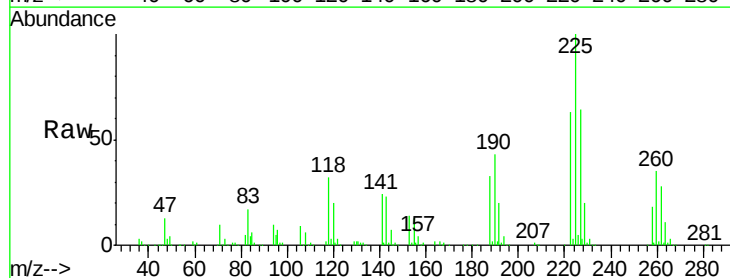
Manual Integrations
 APPROVED

MMDadoda
 2/1/2019 9:18:29 AM



#94
 Hexachlorobutadiene
 Concen: 97.594 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053562.D
 Acq: 30 Jan 2019 10:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	555180		
223	62.9	31.1	93.2	
227	64.2	32.0	96.2	





#95

Naphthalene

Concen: 129.719 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053562.D

Acq: 30 Jan 2019 10:39

Instrument :

MSVOA_N

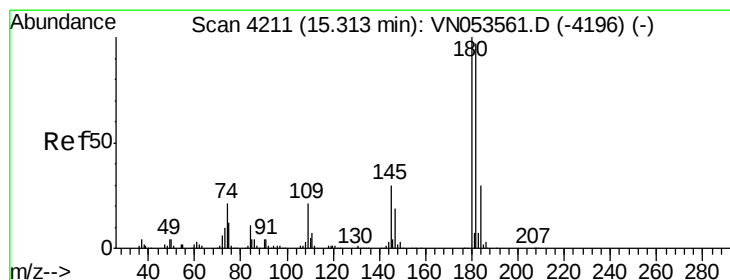
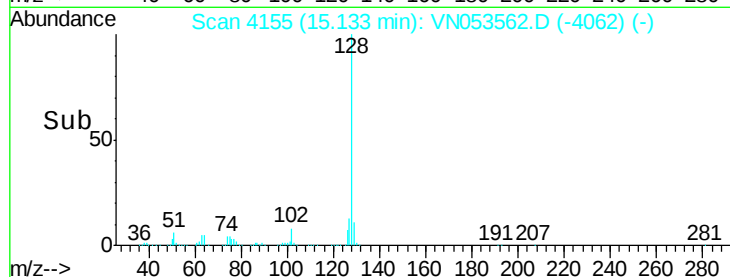
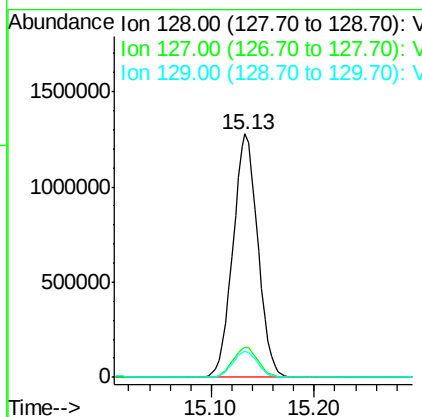
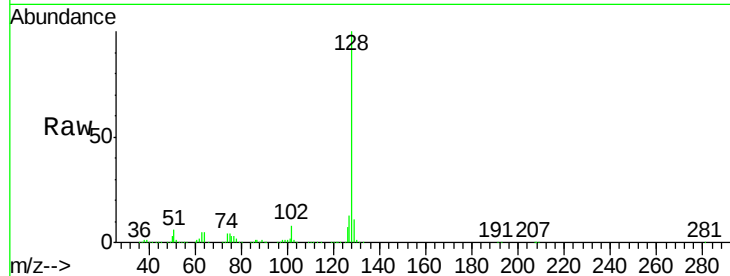
ClientSampled :

VSTDIC100

Tgt Ion:	128	Resp:	2149961
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/1/2019 9:18:29 AM



#96

1,2,3-Trichlorobenzene

Concen: 114.202 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053562.D

Acq: 30 Jan 2019 10:39

Tgt Ion:	180	Resp:	905791
Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.9	143.8
145	29.5	14.7	44.1

