

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072718\
 Data File : VN050127.D
 Acq On : 27 Jul 2018 12:48
 Operator : MD\SY
 Sample : VN0727WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/30/2018 1:37:16 PM

Quant Time: Jul 27 23:16:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	163666	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	910756	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	785255	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	335321	30.14	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.47%
60) 4-Bromofluorobenzene	12.40	95	357904	29.67	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.90%
63) Toluene-d8	10.09	98	1100698	29.35	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.83%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	224604	19.914	ug/l 97
3) Chloromethane	2.06	50	201970	17.369	ug/l 100
4) Vinyl Chloride	2.18	62	229826	18.564	ug/l 96
5) Bromomethane	2.56	94	85520	11.332	ug/l 99
6) Chloroethane	2.70	64	138716	18.945	ug/l 100
7) Trichlorofluoromethane	3.01	101	310530	19.195	ug/l 100
8) Diethyl Ether	3.41	74	107805	19.866	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	186539	18.954	ug/l 100
10) 1,1-Dichloroethene	3.73	96	169190	19.389	ug/l 96
11) Methyl Iodide	3.95	142	82345	6.413	ug/l 97
12) Methyl Acetate	4.33	43	209836	20.992	ug/l 99
13) Acrolein	3.61	56	30686	49.673	ug/l 100
14) Acrylonitrile	5.00	53	321980	96.532	ug/l 98
15) Acetone	3.82	58	91168	102.847	ug/l 93
16) Carbon Disulfide	4.05	76	477481	17.880	ug/l 100
17) Allyl chloride	4.32	41	263109	19.093	ug/l 95
18) Methylene Chloride	4.55	84	189160	18.786	ug/l 95
19) trans-1,2-Dichloroethene	5.04	96	178147	19.069	ug/l 97
20) Diisopropyl ether	5.96	45	556256	19.686	ug/l 99
21) 1,1-Dichloroethane	5.85	63	339168	19.089	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	204104	19.700	ug/l 100
23) tert-Butyl Alcohol	4.81	59	81470	109.311	ug/l 100
24) Methyl tert-Butyl Ether	5.05	73	491293	20.645	ug/l 100
25) Chloroform	7.37	83	350939	19.512	ug/l 99
26) Cyclohexane	7.65	56	270090	19.130	ug/l # 97
29) 1,1-Dichloropropene	7.79	75	254076	17.976	ug/l 99
30) 2-Butanone	6.84	43	406647	91.684	ug/l 98
31) 2,2-Dichloropropane	6.83	77	287435	18.398	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	297657	17.892	ug/l 99
33) Carbon Tetrachloride	7.77	117	261965	17.664	ug/l 100
34) Benzene	8.04	78	763593	17.789	ug/l 99
35) Methacrylonitrile	7.18	41	79425	15.728	ug/l 97
36) 1,2-Dichloroethane	8.13	62	251363	17.835	ug/l 100
37) Trichloroethene	8.84	130	206115	18.308	ug/l 99
38) Methylcyclohexane	9.08	83	268773	18.038	ug/l 98
39) 1,2-Dichloropropane	9.12	63	201174	17.791	ug/l 100
40) Dibromomethane	9.21	93	124145	17.764	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	261103	17.711	ug/l	99
42) Vinyl Acetate	5.90	43	1890348	90.571	ug/l	99
43) Ethyl Acetate	6.93	43	170666	18.427	ug/l	94
44) Isopropyl Acetate	8.17	43	341684	19.915	ug/l	94
45) 1,4-Dioxane	9.20	88	44188	391.394	ug/l	99
46) Methyl methacrylate	9.20	41	155192	18.659	ug/l	98
47) n-amyl Acetate	12.07	43	235955	17.674	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	261047	18.578	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	300684	18.211	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	182489	18.191	ug/l	99
51) Ethyl methacrylate	10.43	69	226670	18.616	ug/l	97
52) 1,3-Dichloropropane	10.71	76	298540	18.123	ug/l	99
53) Dibromochloromethane	10.90	129	202313	17.771	ug/l	98
54) 1,2-Dibromoethane	11.01	107	176553	17.970	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	508101	92.203	ug/l	99
56) Bromoform	12.13	173	139302	17.328	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	879686	96.275	ug/l	98
59) 2-Hexanone	10.75	43	587616	94.266	ug/l	99
61) Tetrachloroethene	10.63	164	192856	18.132	ug/l	97
62) Toluene	10.16	91	840860	18.768	ug/l	100
64) Chlorobenzene	11.44	112	512632	18.869	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	196006	18.497	ug/l	99
66) Ethyl Benzene	11.51	91	866674	18.929	ug/l	100
67) m/p-Xylenes	11.62	106	670063	38.029	ug/l	99
68) o-Xylene	11.95	106	324884	19.380	ug/l	100
69) Styrene	11.97	104	503548	18.737	ug/l	99
70) Isopropylbenzene	12.25	105	866933	19.417	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	233108	19.016	ug/l	98
72) 1,2,3-Trichloropropane	12.56	75	193969m	18.527	ug/l	
73) Bromobenzene	12.53	156	220896	18.573	ug/l	98
74) n-propylbenzene	12.59	91	962661	18.513	ug/l	100
75) 2-Chlorotoluene	12.68	91	591260	18.931	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	697651	19.025	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	55991	16.357	ug/l	97
78) 4-Chlorotoluene	12.78	91	566111	18.291	ug/l	98
79) tert-butylbenzene	12.99	119	611605	19.508	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	712670	19.182	ug/l	100
81) sec-Butylbenzene	13.17	105	805195	18.906	ug/l	100
82) p-Isopropyltoluene	13.29	119	693265	19.077	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	374499	18.083	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	353736	18.075	ug/l	99
85) n-Butylbenzene	13.62	91	525478	17.818	ug/l	100
86) Hexachloroethane	13.88	117	122068	16.809	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	378371	18.692	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	36345	19.032	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	166533	17.224	ug/l	100
90) Hexachlorobutadiene	15.01	225	117227	18.389	ug/l	98
91) Naphthalene	15.14	128	393750	20.633	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	179512	18.256	ug/l	99

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ClientSampleId :
VN0727WBS01

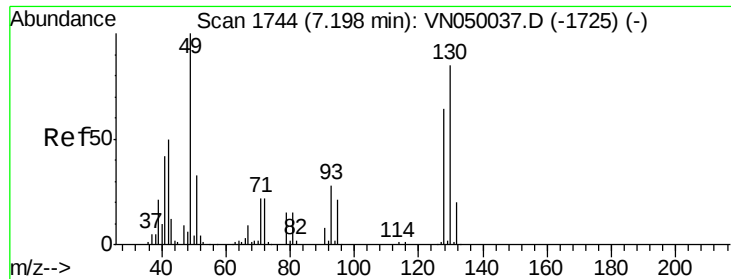
Manual Integrations
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7/30/2018 1:37:16 PM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VN050127.D

Acq: 27 Jul 2018 12:48

Instrument :

MSVOA_N

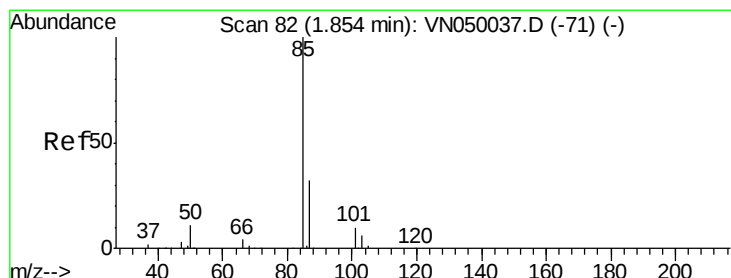
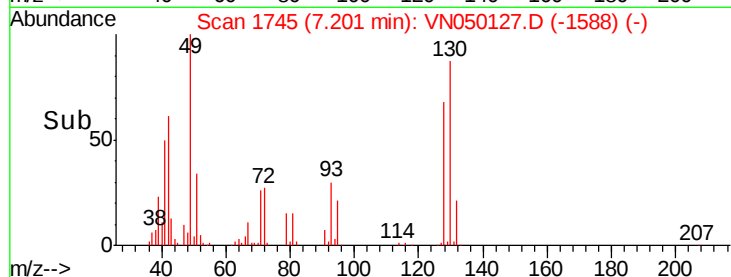
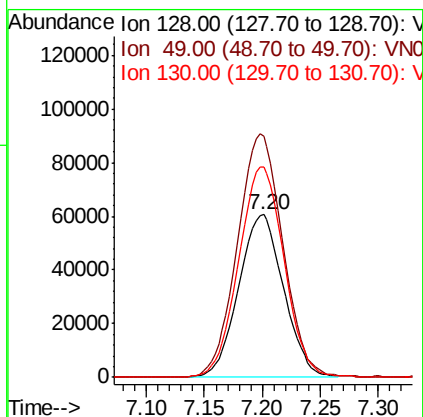
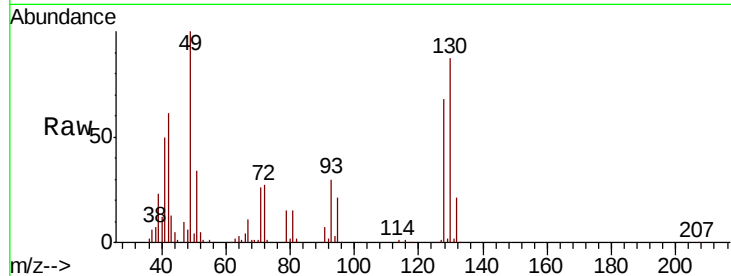
ClientSampleId :

VN0727WBS01

Tot Ion:	128	Resp:	163666
Ion	Ratio	Lower	Upper
128	100		
49	151.1	0.0	378.3
130	130.8	0.0	320.7

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 19.914 ug/l

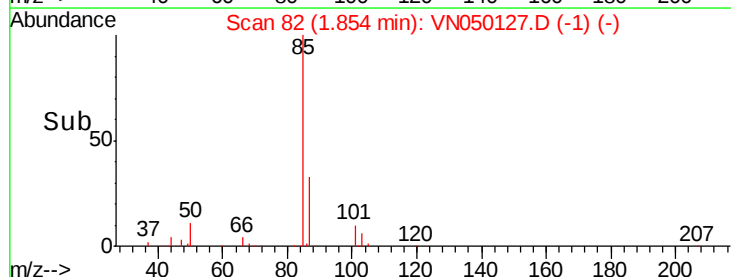
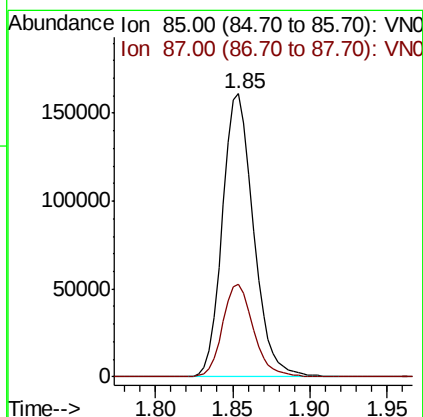
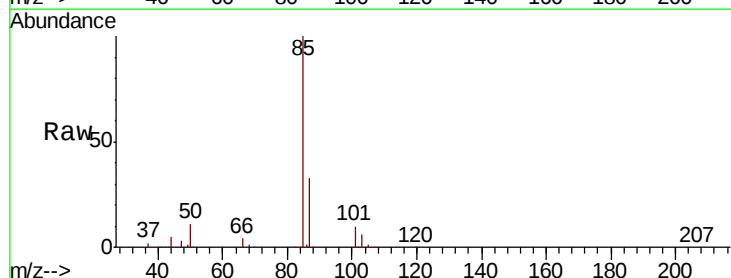
RT: 1.85 min Scan# 82

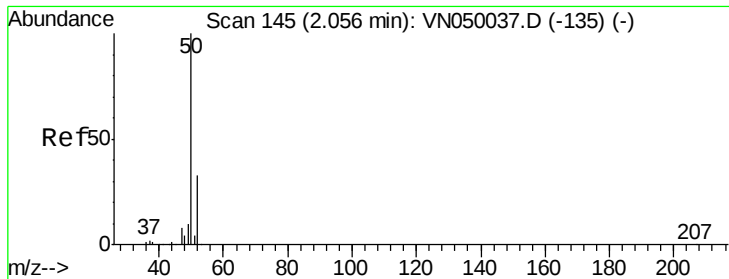
Delta R.T. 0.00 min

Lab File: VN050127.D

Acq: 27 Jul 2018 12:48

Tgt Ion:	85	Resp:	224604
Ion	Ratio	Lower	Upper
85	100		
87	32.8	15.4	46.4





#3

Chloromethane

Concen: 17.369 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050127.D

Acq: 27 Jul 2018 12:48

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS01

Tot Ion: 50 Resp: 201970

Ion Ratio Lower Upper

50 100

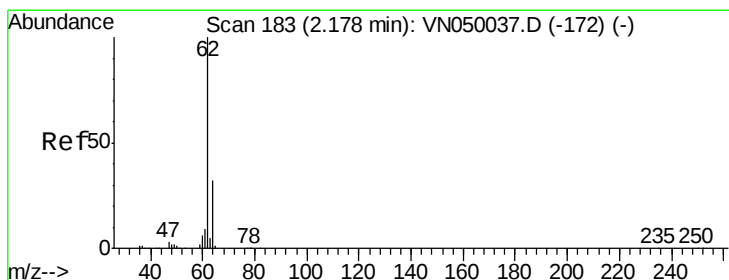
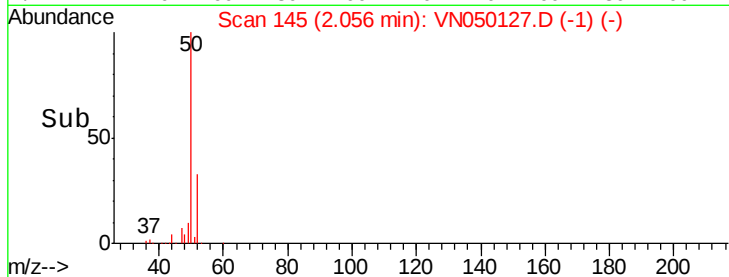
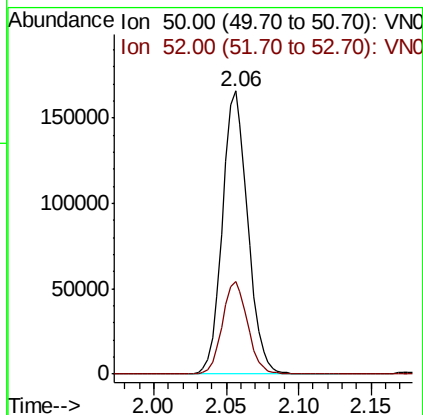
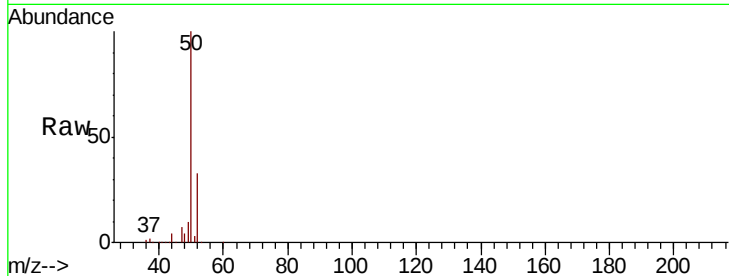
52 32.5 26.1 39.1

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#4

Vinyl Chloride

Concen: 18.564 ug/l

RT: 2.18 min Scan# 183

Delta R.T. 0.00 min

Lab File: VN050127.D

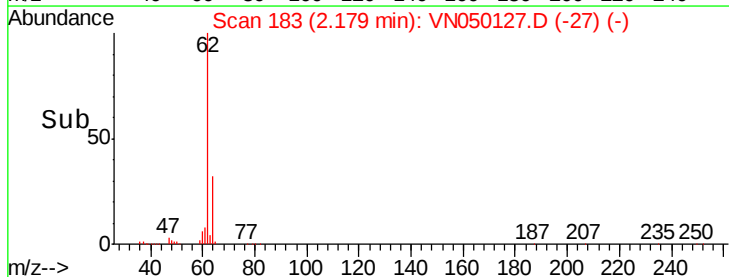
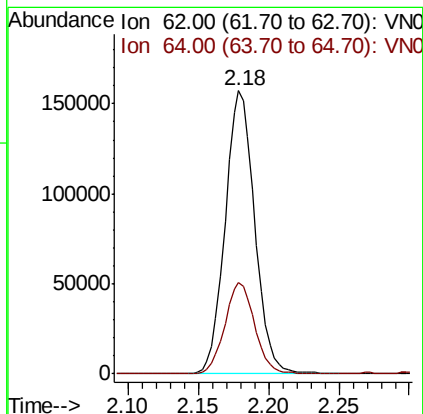
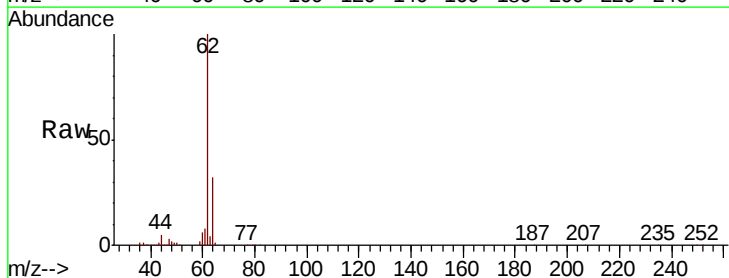
Acq: 27 Jul 2018 12:48

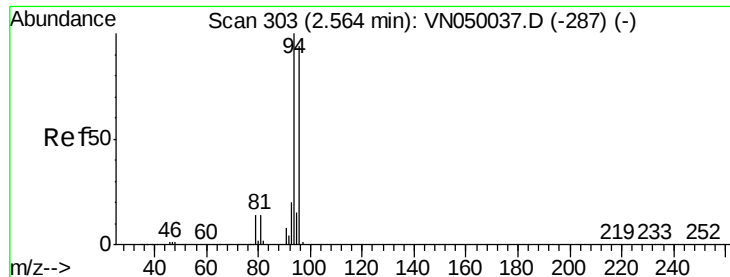
Tgt Ion: 62 Resp: 229826

Ion Ratio Lower Upper

62 100

64 32.4 24.4 36.6





#5

Bromomethane

Concen: 11.332 ug/l

RT: 2.56 min Scan# 302

Delta R.T. -0.00 min

Lab File: VN050127.D

Acq: 27 Jul 2018 12:48

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS01

Tot Ion: 94 Resp: 85520

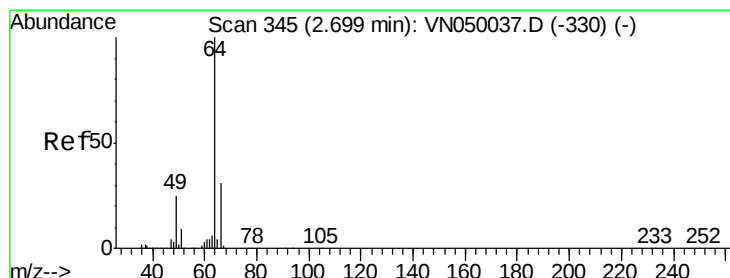
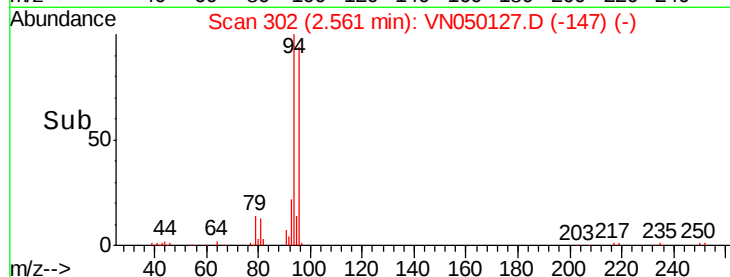
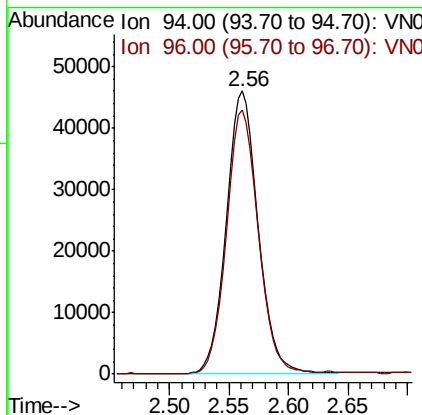
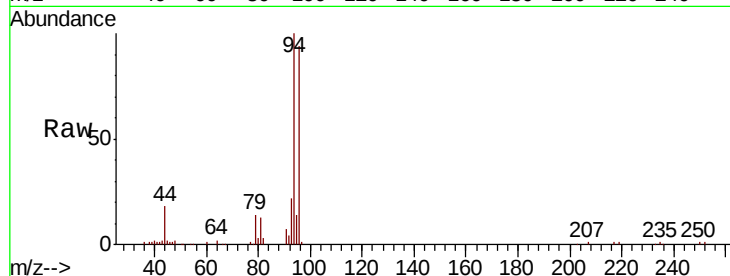
Ion Ratio Lower Upper

94 100

96 93.5 75.9 113.9

Manual Integrations
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#6

Chloroethane

Concen: 18.945 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN050127.D

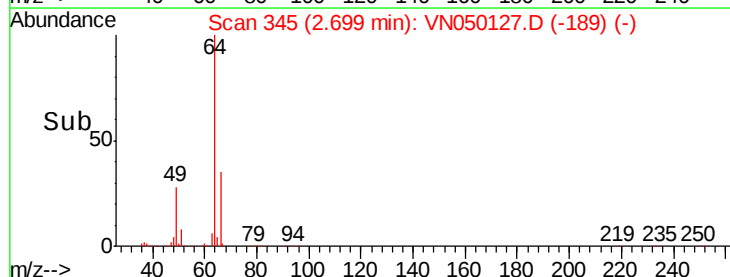
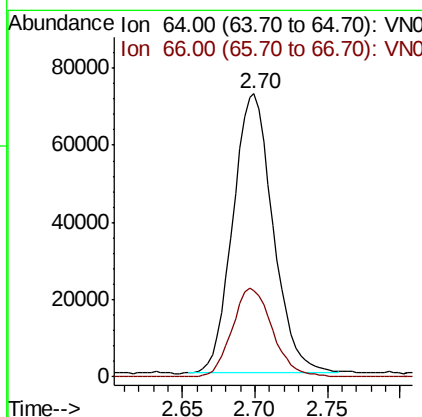
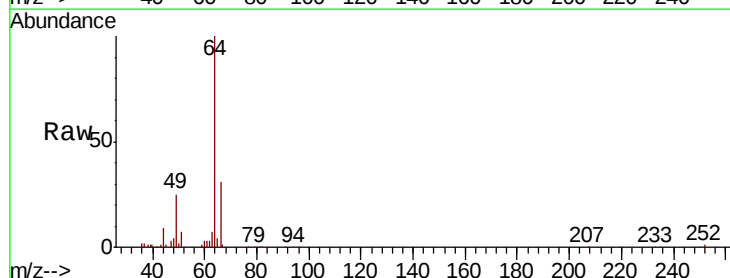
Acq: 27 Jul 2018 12:48

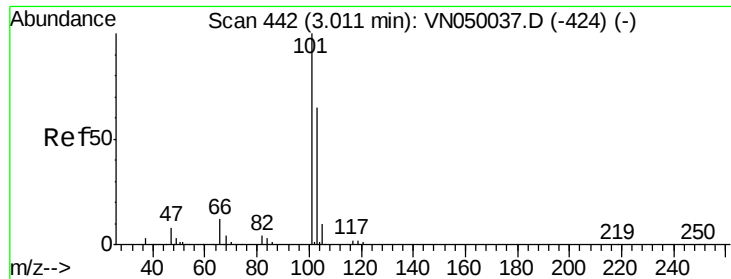
Tgt Ion: 64 Resp: 138716

Ion Ratio Lower Upper

64 100

66 31.0 25.0 37.4





#7

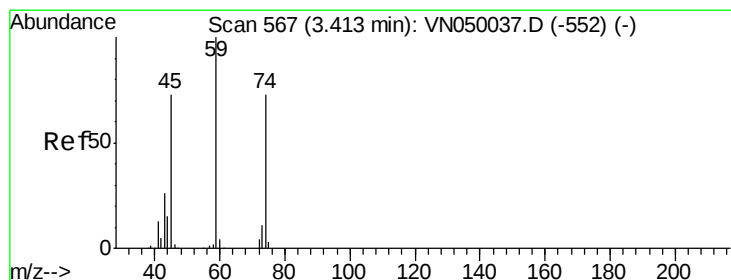
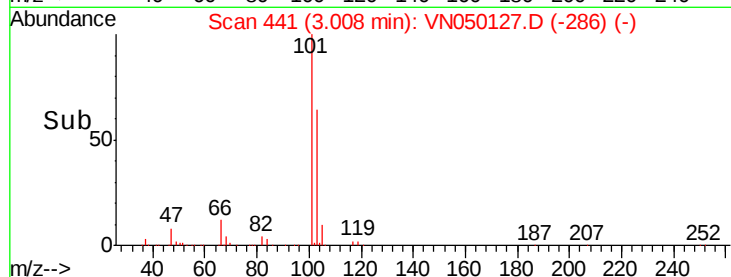
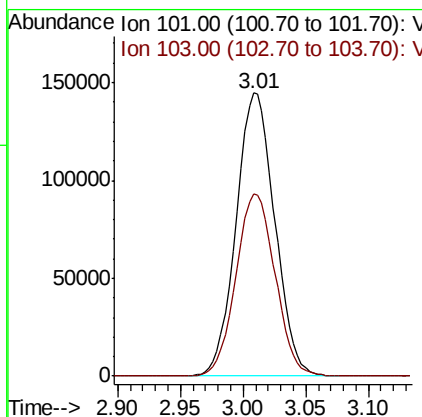
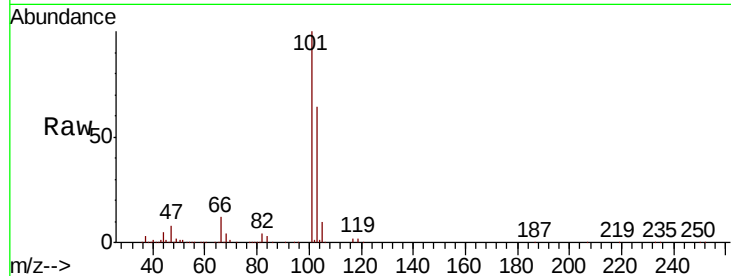
Trichlorofluoromethane
 Concen: 19.195 ug/l
 RT: 3.01 min Scan# 441
 Delta R.T. -0.00 min
 Lab File: VN050127.D
 Acq: 27 Jul 2018 12:48

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		310530		
103	64.2	51.5	77.3		

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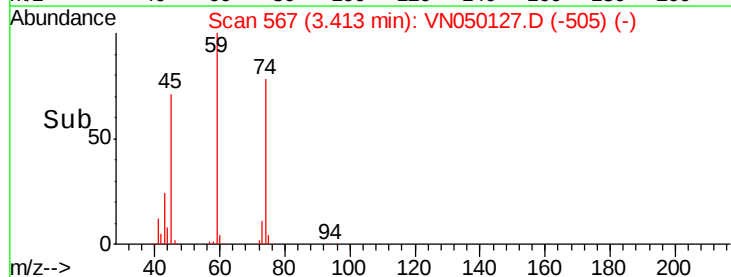
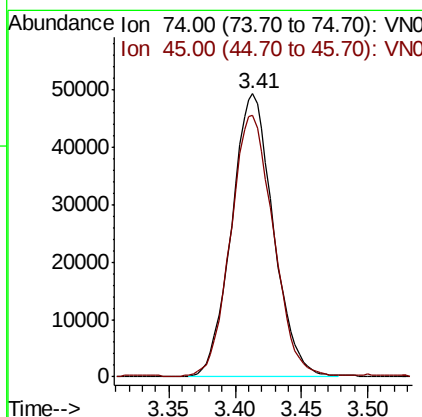
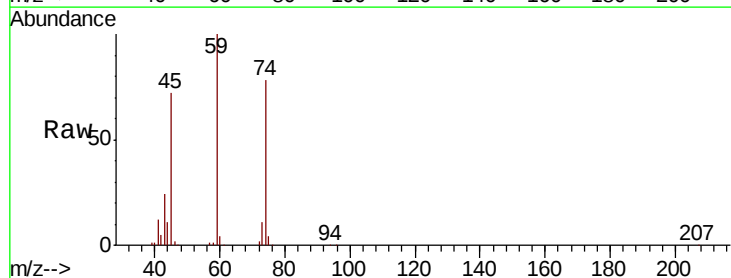
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 7/30/2018 1:37:16 PM

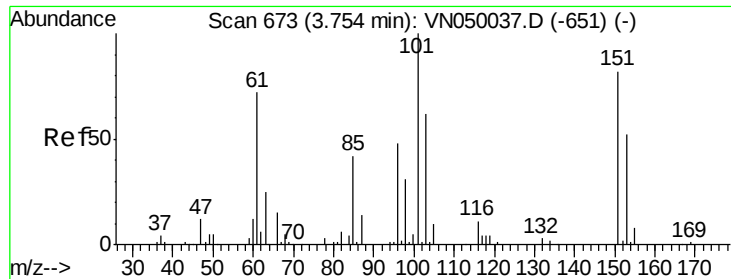


#8

Diethyl Ether
 Concen: 19.866 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050127.D
 Acq: 27 Jul 2018 12:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		107805		
45	93.7	18.7	167.9		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.954 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN050127.D

Acq: 27 Jul 2018 12:48

Instrument :

MSVOA_N

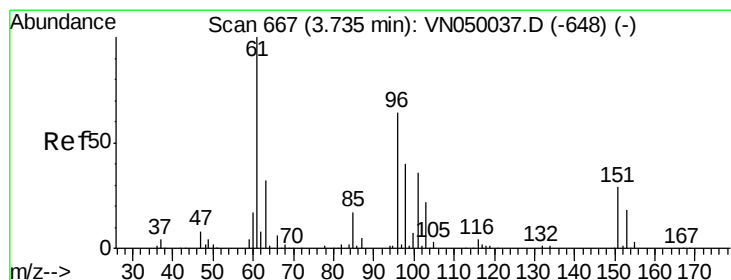
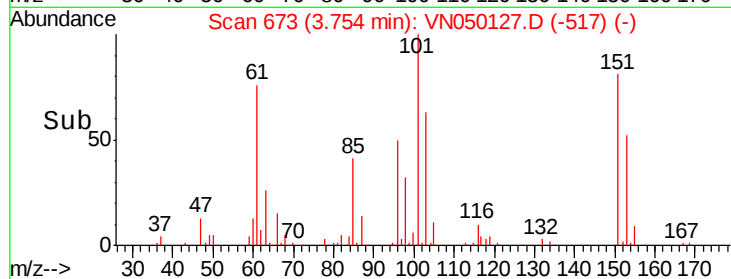
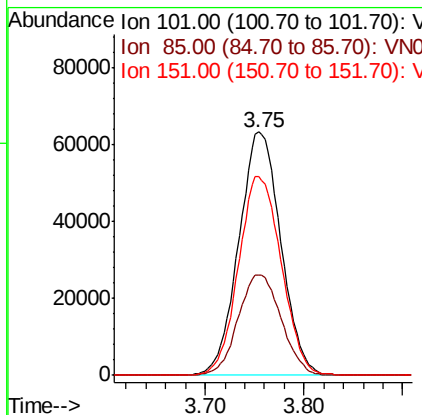
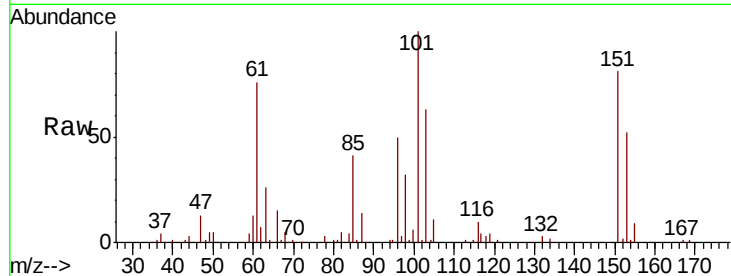
ClientSampleId :

VN0727WBS01

Tot Ion:	101	Resp:	186539
Ion Ratio	Lower	Upper	
101	100		
85	42.3	0.0	83.0
151	83.4	0.0	166.8

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#10

1,1-Dichloroethene

Concen: 19.389 ug/l

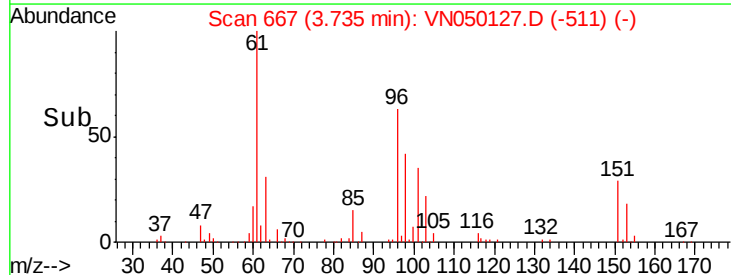
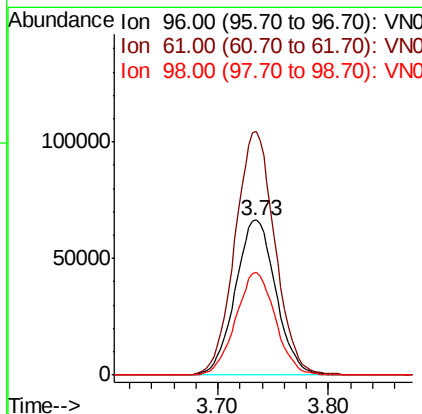
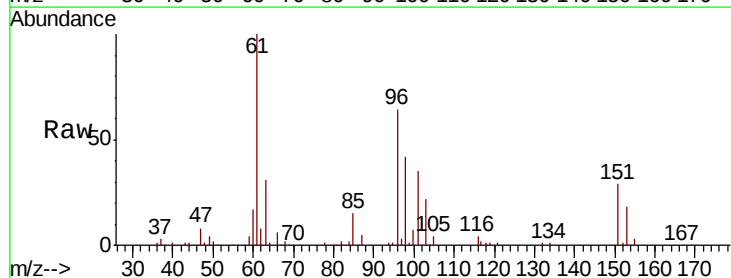
RT: 3.73 min Scan# 667

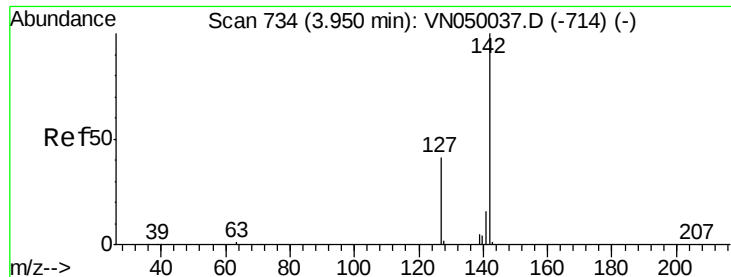
Delta R.T. 0.00 min

Lab File: VN050127.D

Acq: 27 Jul 2018 12:48

Tgt Ion:	96	Resp:	169190
Ion Ratio	Lower	Upper	
96	100		
61	157.0	130.6	195.8
98	66.1	53.5	80.3





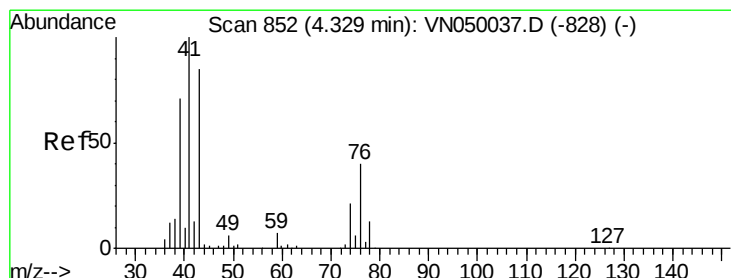
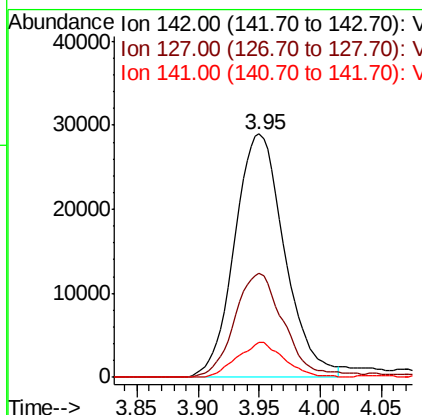
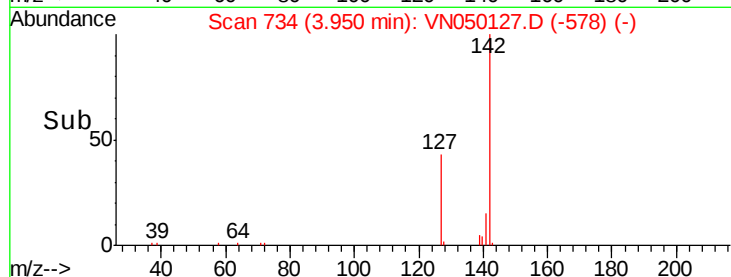
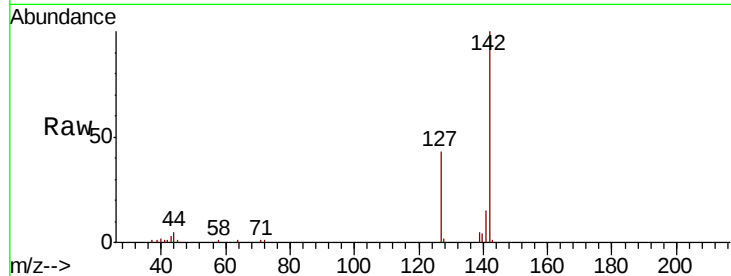
#11
Methyl Iodide
Concen: 6.413 ug/l
RT: 3.95 min Scan# 734
Delta R.T. 0.00 min
Lab File: VN050127.D
Acq: 27 Jul 2018 12:48

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS01

Tot Ion	Ratio	Lower	Upper
142	100		
127	42.5	20.2	60.5
141	14.9	6.9	20.6

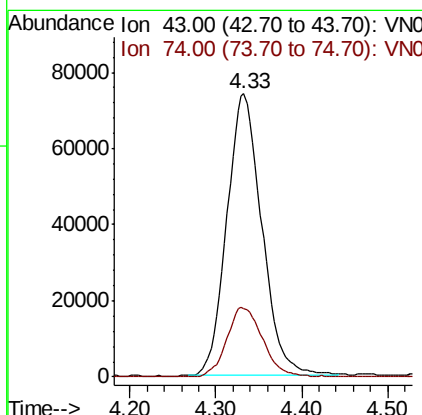
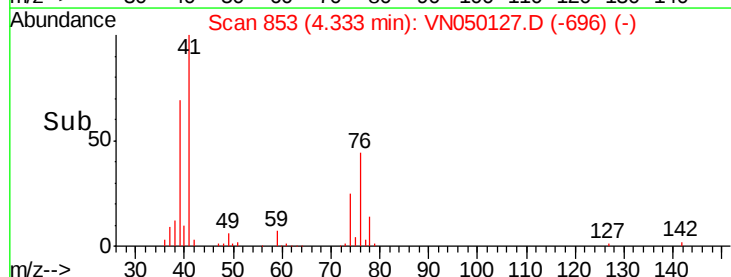
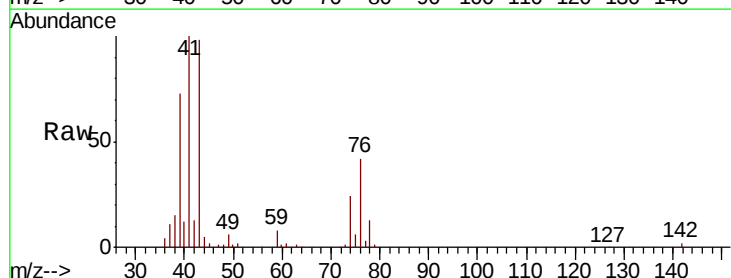
Manual Integrations
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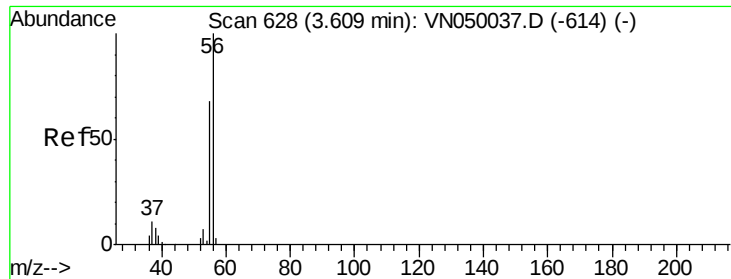
MMDadoda
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#12
Methyl Acetate
Concen: 20.992 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN050127.D
Acq: 27 Jul 2018 12:48

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.5	19.3	28.9





#13

Acrolein

Concen: 49.673 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050127.D

Acq: 27 Jul 2018 12:48

Instrument :

MSVOA_N

ClientSampled :

VN0727WBS01

Tot Ion: 56 Resp: 30686

Ion Ratio Lower Upper

56 100

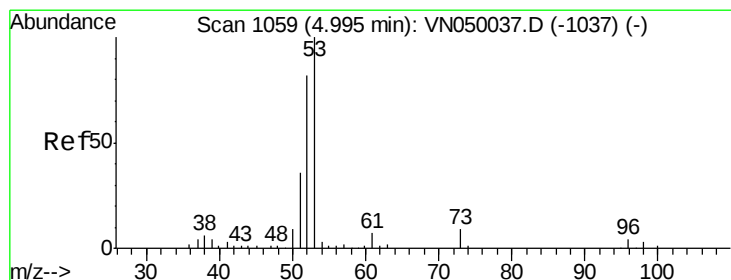
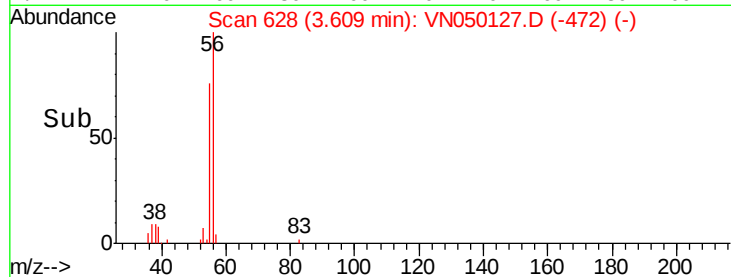
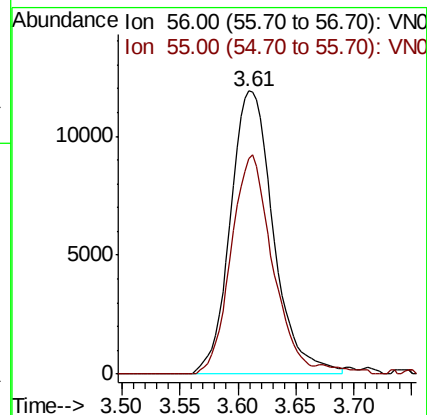
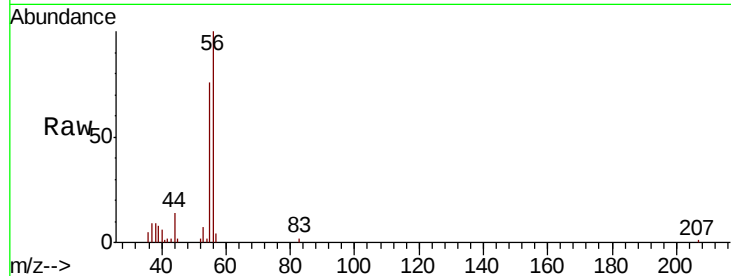
55 73.4 58.6 88.0

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#14

Acrylonitrile

Concen: 96.532 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN050127.D

Acq: 27 Jul 2018 12:48

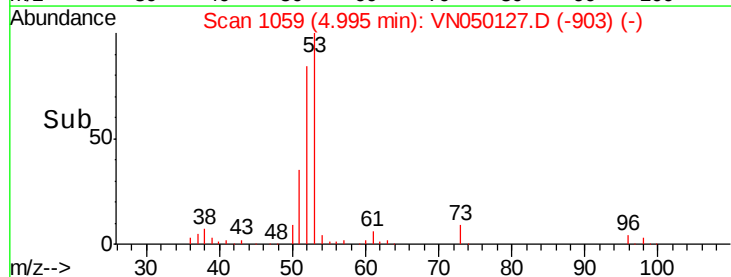
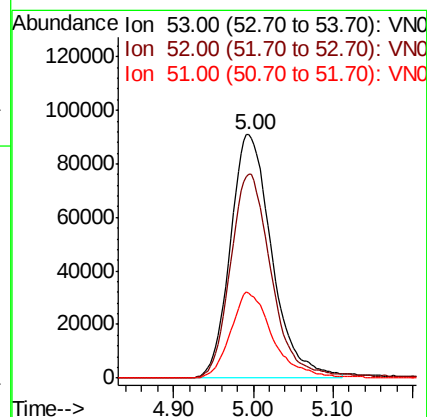
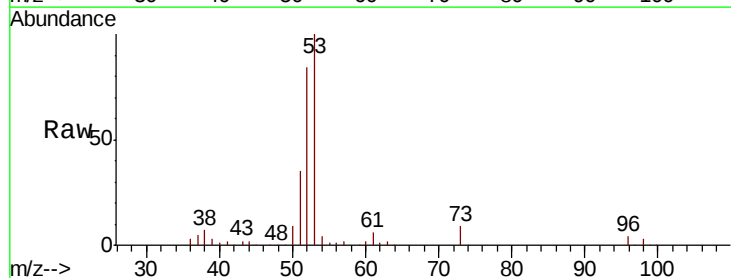
Tgt Ion: 53 Resp: 321980

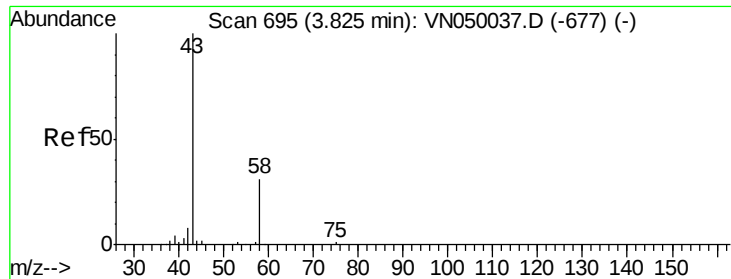
Ion Ratio Lower Upper

53 100

52 82.1 41.5 124.5

51 35.6 18.7 56.1





#15

Acetone

Concen: 102.847 ug/l

RT: 3.82 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN050127.D

Acq: 27 Jul 2018 12:48

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS01

Tot Ion: 58 Resp: 91168

Ion Ratio Lower Upper

58 100

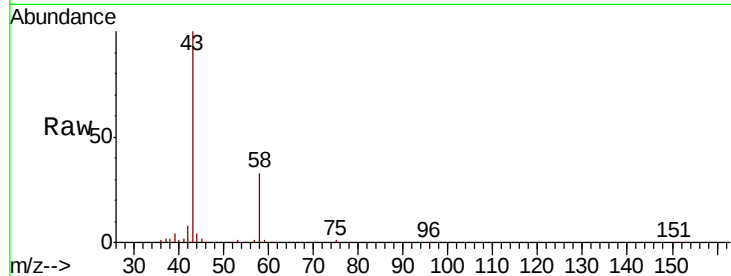
43 300.4 252.0 378.0

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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

120000

100000

80000

60000

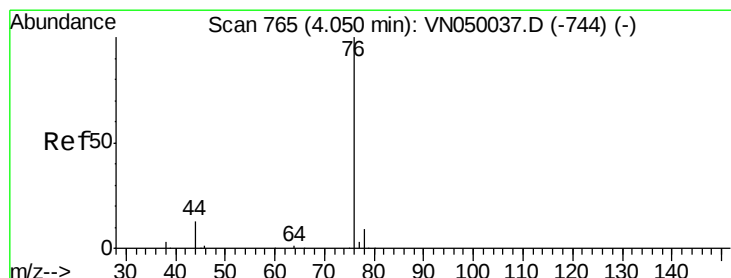
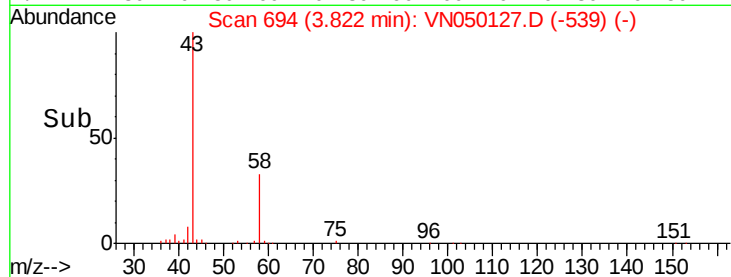
40000

20000

0

3.82

Time-->



#16

Carbon Disulfide

Concen: 17.880 ug/l

RT: 4.05 min Scan# 764

Delta R.T. -0.00 min

Lab File: VN050127.D

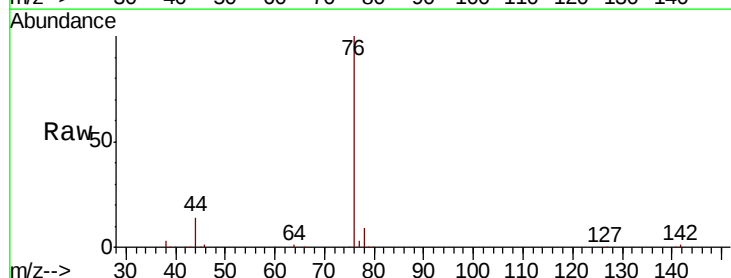
Acq: 27 Jul 2018 12:48

Tgt Ion: 76 Resp: 477481

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

200000

150000

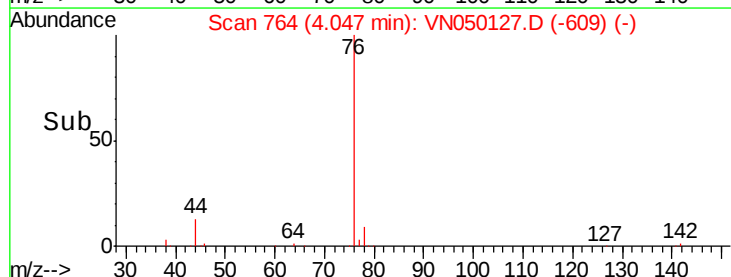
100000

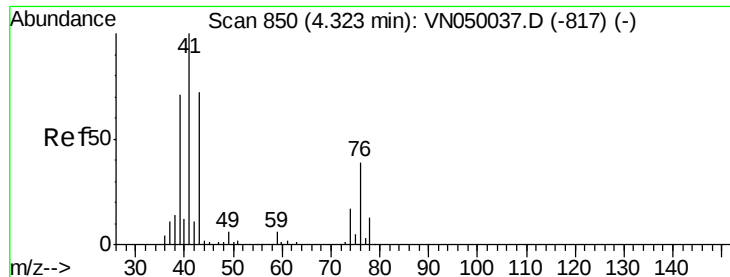
50000

0

4.05

Time-->





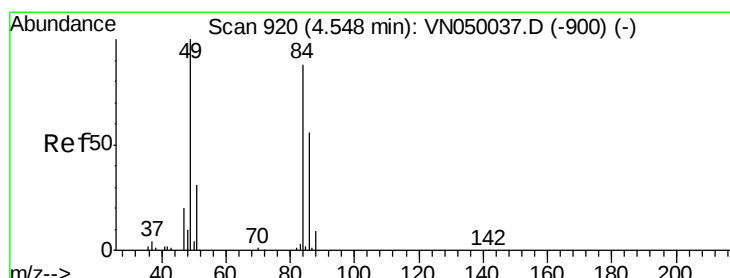
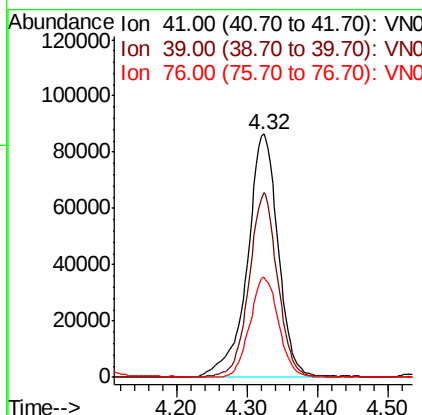
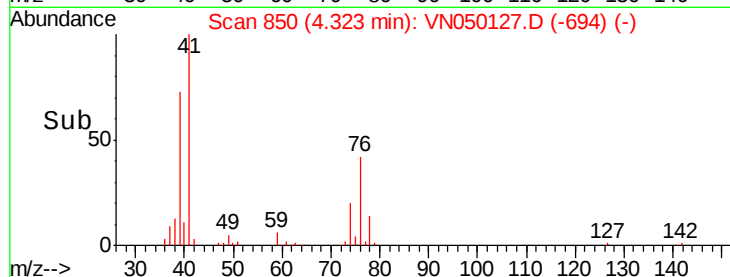
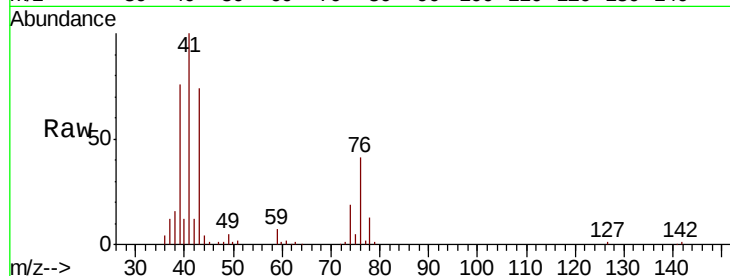
#17
Allvl chloride
Concen: 19.093 ug/l
RT: 4.32 min Scan# 850
Delta R.T. 0.00 min
Lab File: VN050127.D
Acq: 27 Jul 2018 12:48

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	75.9	35.4	106.3
76	41.0	19.7	59.1

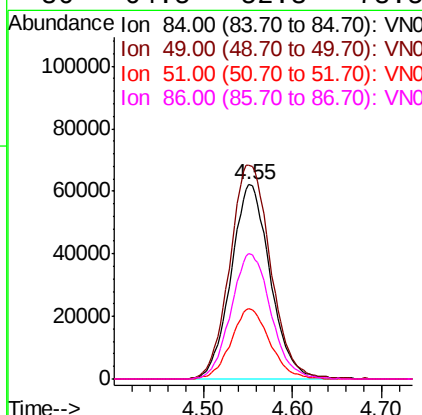
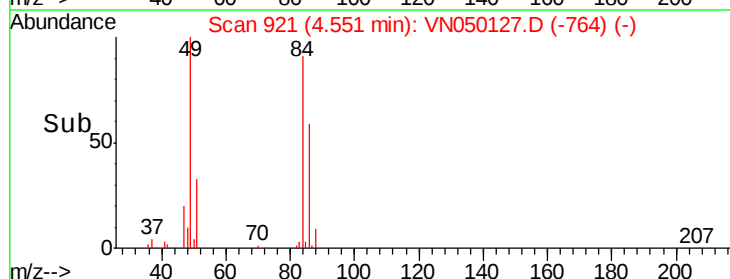
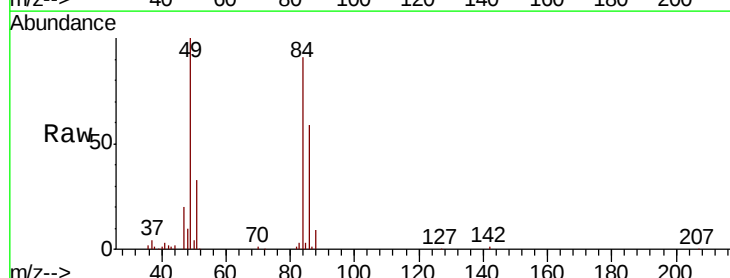
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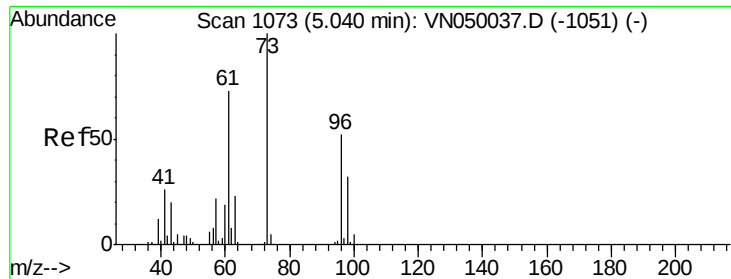
MMDadoda
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#18
Methylene Chloride
Concen: 18.786 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050127.D
Acq: 27 Jul 2018 12:48

Tgt Ion	Ratio	Lower	Upper
84	100		
49	109.7	95.1	142.7
51	36.2	28.8	43.2
86	64.5	52.3	78.5





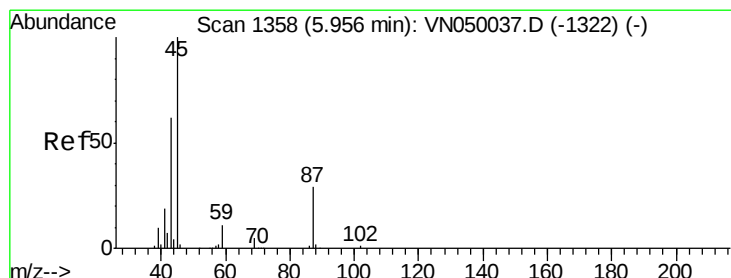
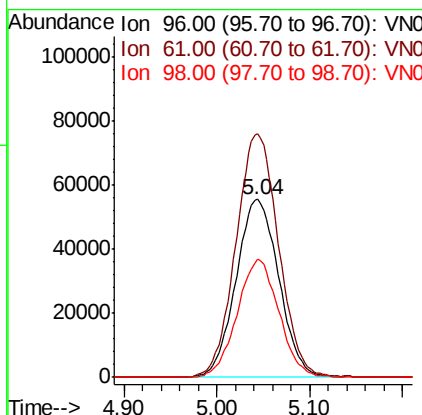
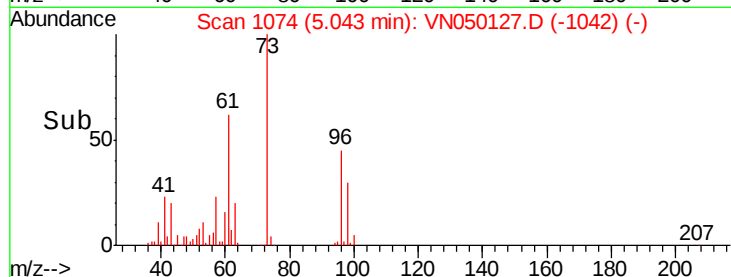
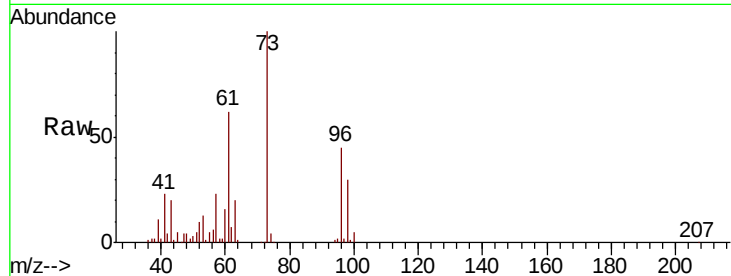
#19
trans-1,2-Dichloroethene
Concen: 19.069 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VN050127.D
Acq: 27 Jul 2018 12:48

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.7	112.1	168.1
98	66.0	51.3	76.9

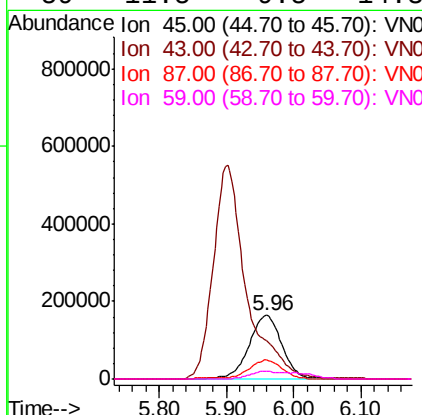
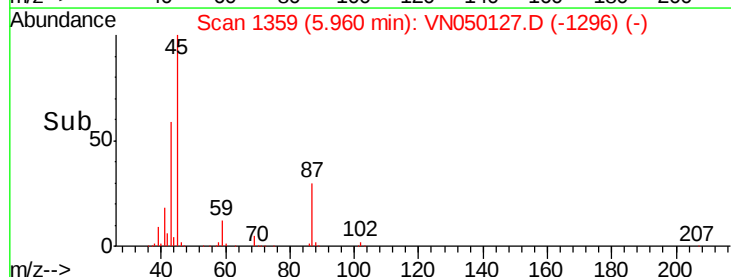
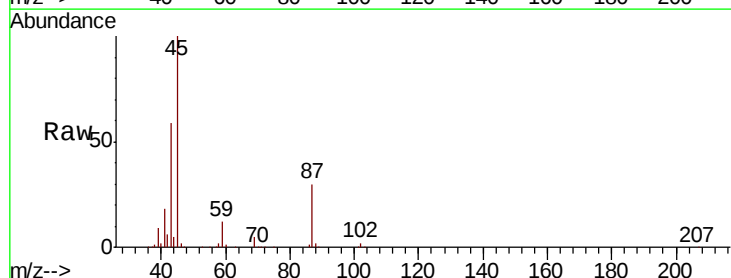
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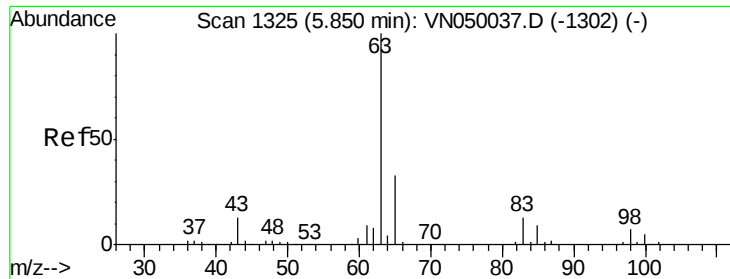
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#20
Diisopropyl ether
Concen: 19.686 ug/l
RT: 5.96 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VN050127.D
Acq: 27 Jul 2018 12:48

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.7	46.6	70.0
87	29.5	22.3	33.5
59	11.5	9.5	14.3





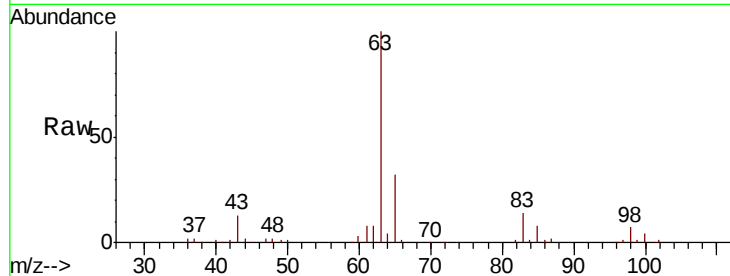
#21
 1,1-Dichloroethane
 Concen: 19.089 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN050127.D
 Acq: 27 Jul 2018 12:48

Instrument :
 MSVOA_N
 ClientSampled :
 VN0727WBS01

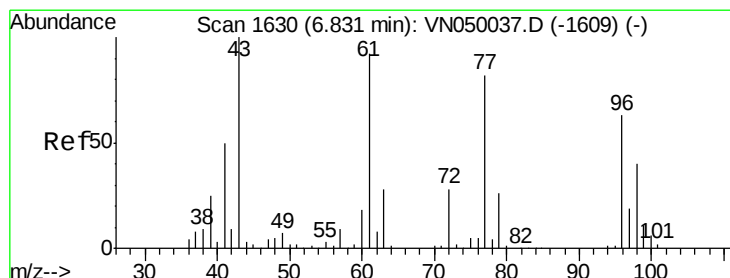
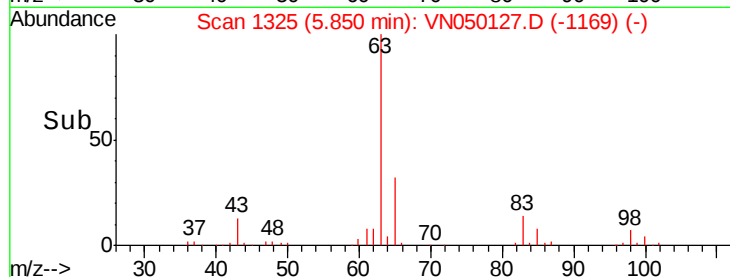
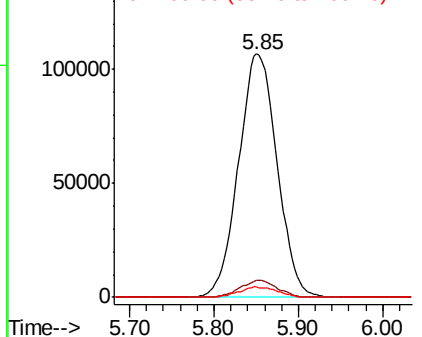
Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	6.8	3.5	10.6	
100	4.1	2.3	6.8	

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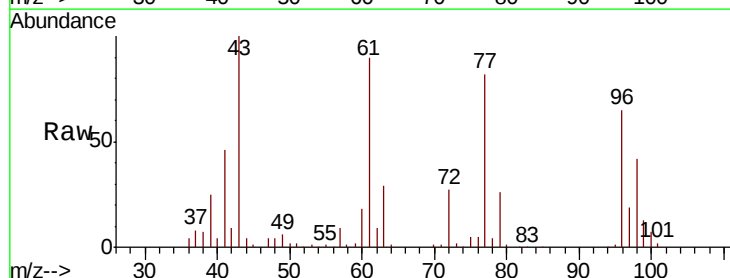


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

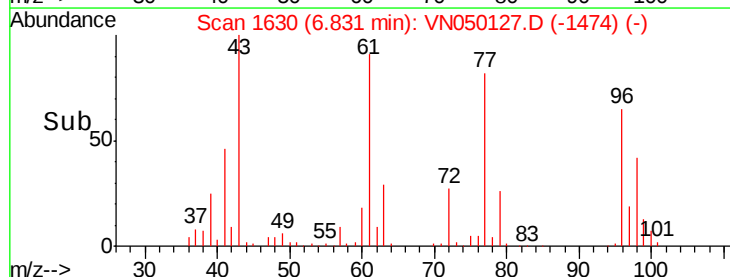
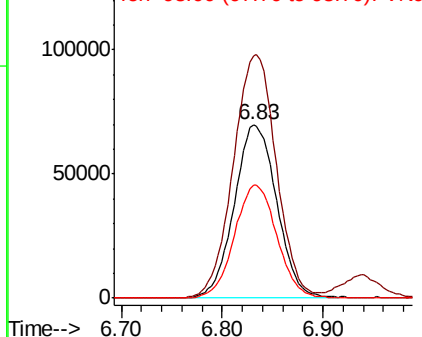


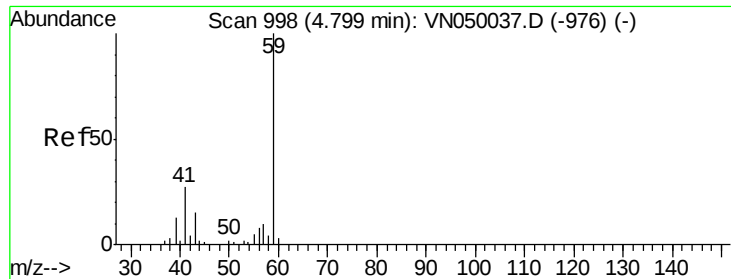
#22
 cis-1,2-Dichloroethene
 Concen: 19.700 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN050127.D
 Acq: 27 Jul 2018 12:48

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	142.3	114.2	171.2	
98	65.1	51.7	77.5	



Abundance Ion 96.00 (95.70 to 96.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0





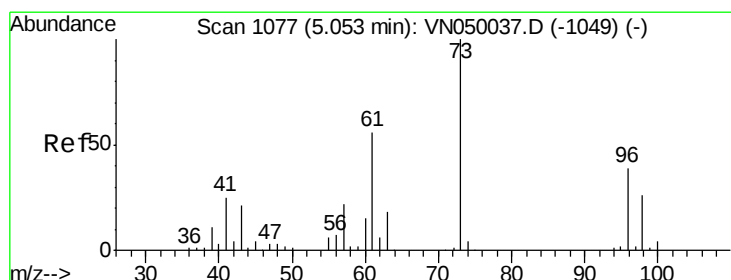
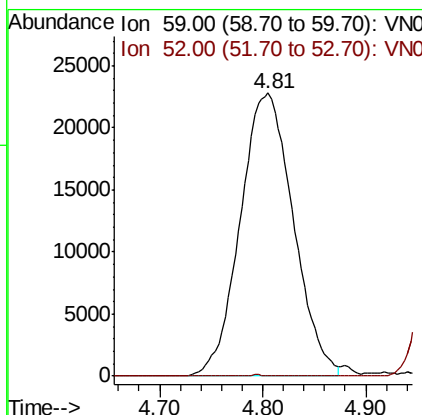
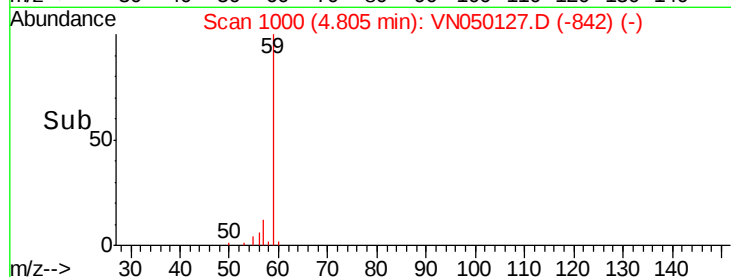
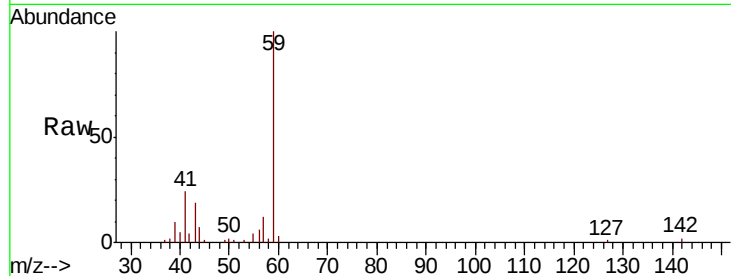
#23
tert-Butyl Alcohol
Concen: 109.311 ug/l
RT: 4.81 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VN050127.D
Acq: 27 Jul 2018 12:48

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS01

Tot Ion: 59 Resp: 81470
Ion Ratio Lower Upper
59 100
52 0.1 0.1 0.1

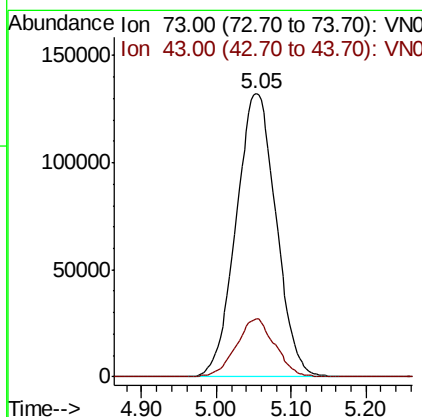
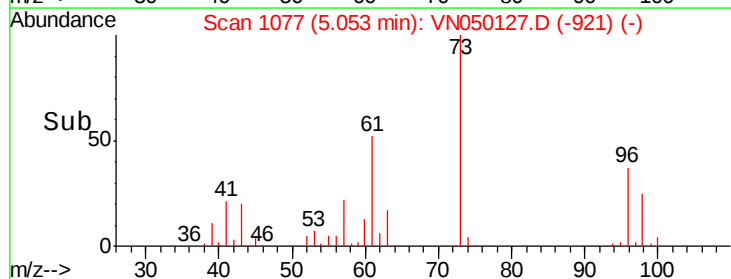
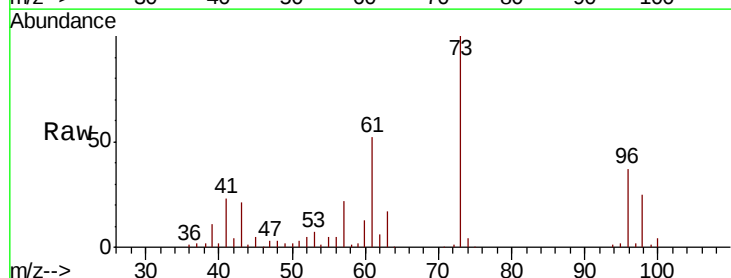
Manual Integrations
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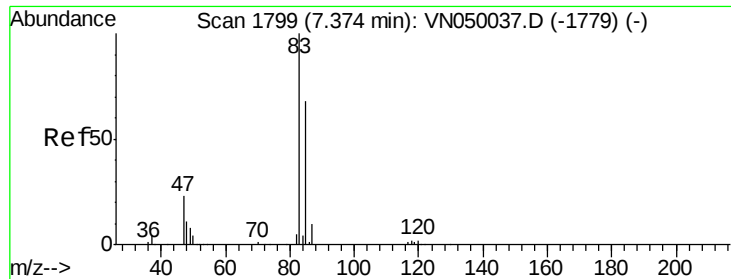
MMDadoda
7/30/2018 1:37:16 PM



#24
Methyl tert-Butyl Ether
Concen: 20.645 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN050127.D
Acq: 27 Jul 2018 12:48

Tgt Ion: 73 Resp: 491293
Ion Ratio Lower Upper
73 100
43 19.6 15.5 23.3





#25

Chloroform

Concen: 19.512 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN050127.D

Acq: 27 Jul 2018 12:48

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS01

Tot Ion: 83 Resp: 350939

Ion Ratio Lower Upper

83 100

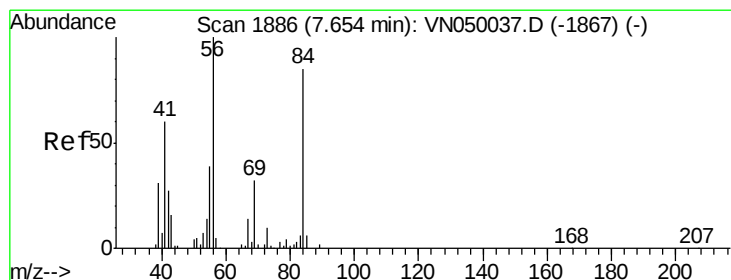
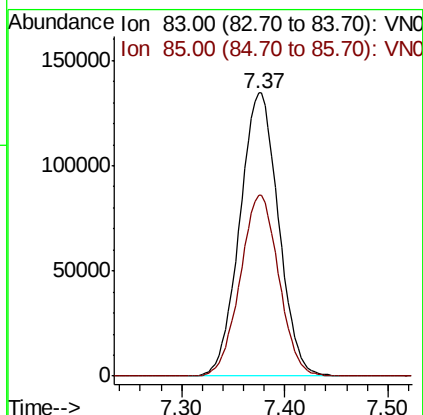
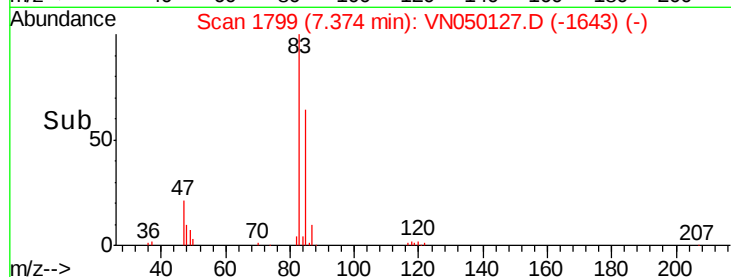
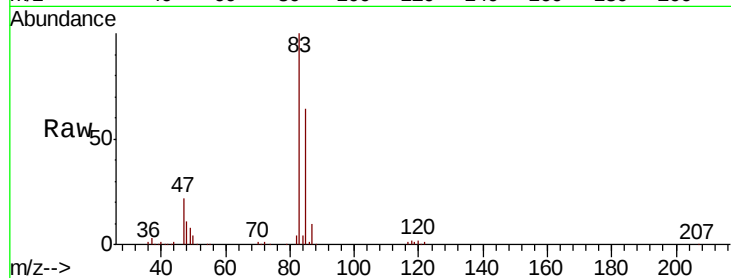
85 64.0 52.1 78.1

Manual Integrations

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#26

Cyclohexane

Concen: 19.130 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VN050127.D

Acq: 27 Jul 2018 12:48

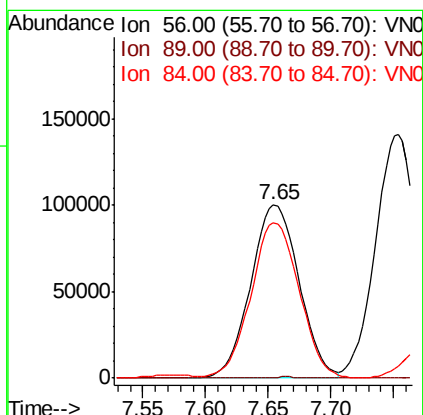
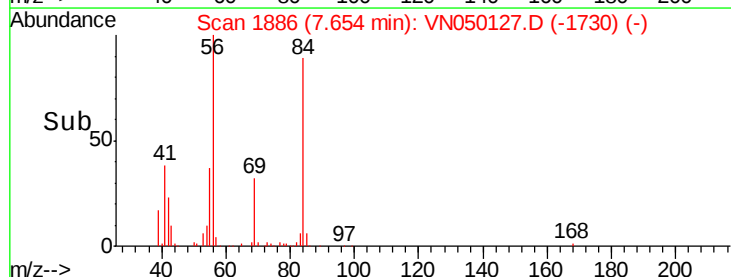
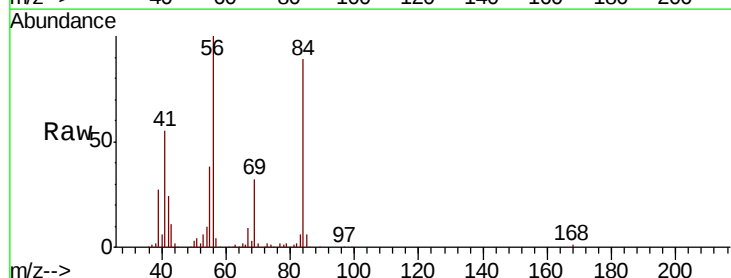
Tgt Ion: 56 Resp: 270090

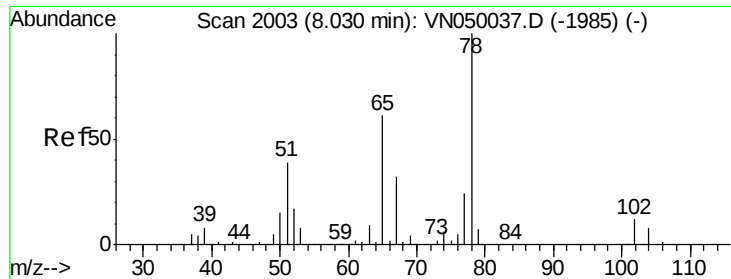
Ion Ratio Lower Upper

56 100

89 0.5 3.0 4.4#

84 89.6 69.8 104.8





#27

1,2-Dichloroethane-d4

Concen: 30.142 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050127.D

Acq: 27 Jul 2018 12:48

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS01

Tot Ion: 65 Resp: 335321

Ion Ratio Lower Upper

65 100

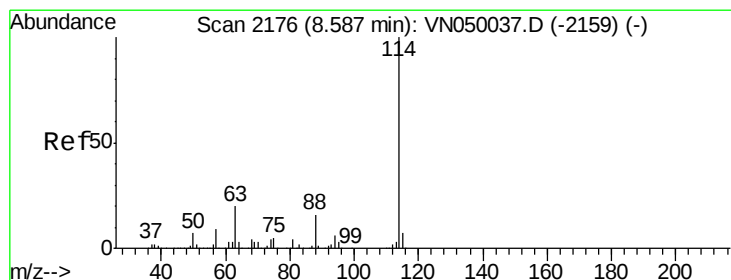
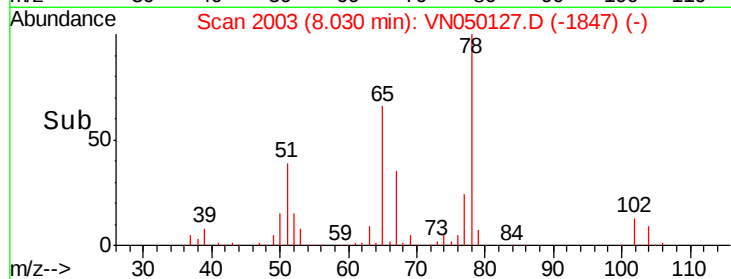
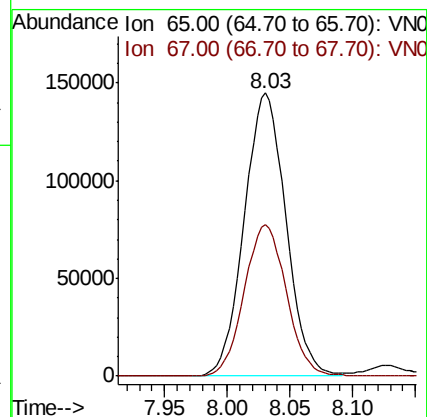
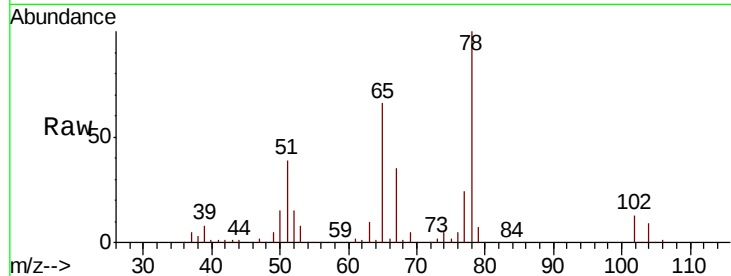
67 54.2 42.7 64.1

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN050127.D

Acq: 27 Jul 2018 12:48

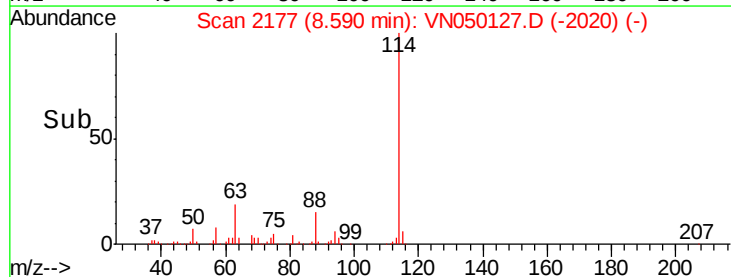
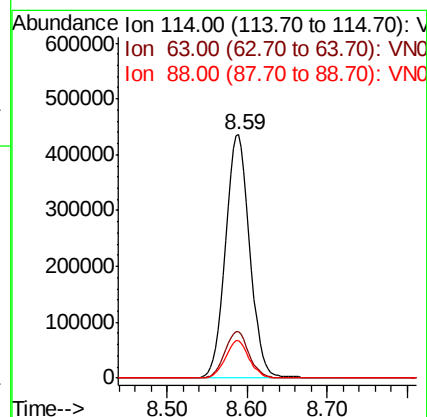
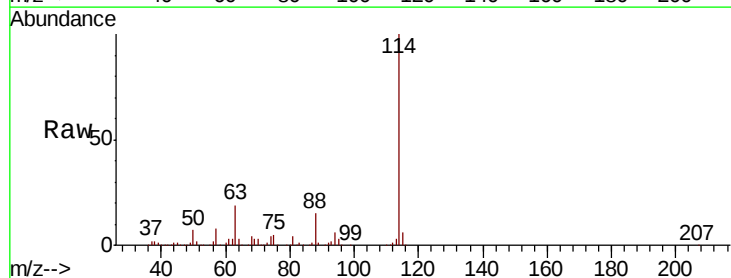
Tgt Ion: 114 Resp: 910756

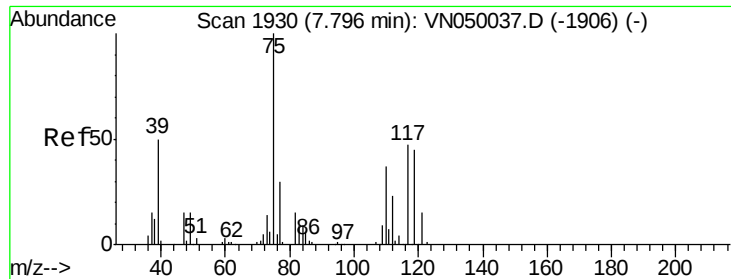
Ion Ratio Lower Upper

114 100

63 19.2 16.2 24.2

88 15.0 12.3 18.5





#29

1,1-Dichloropropene

Concen: 17.976 ug/l

RT: 7.79 min Scan# 1929

Delta R.T. -0.00 min

Lab File: VN050127.D

Acq: 27 Jul 2018 12:48

Instrument :

MSVOA_N

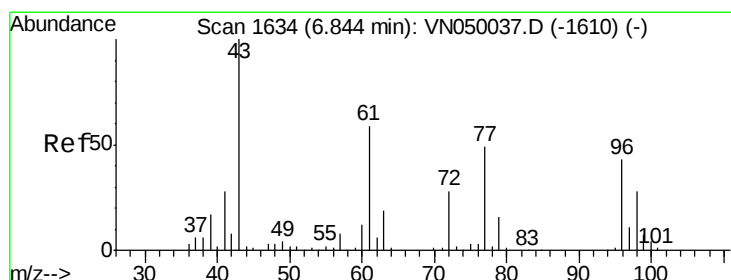
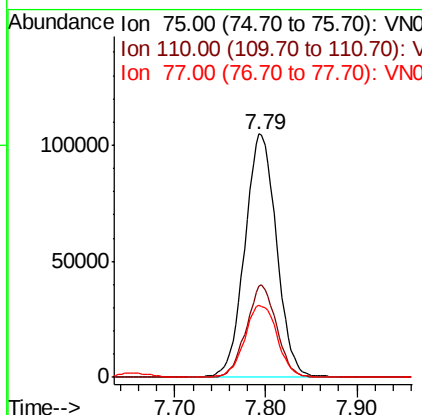
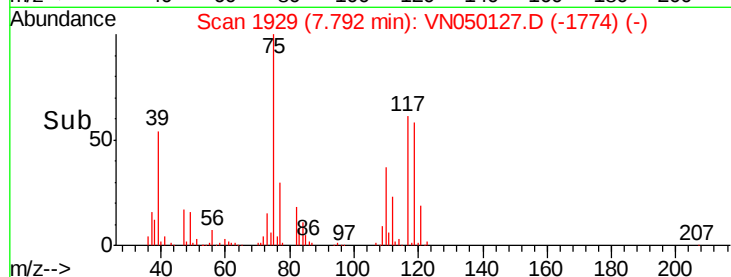
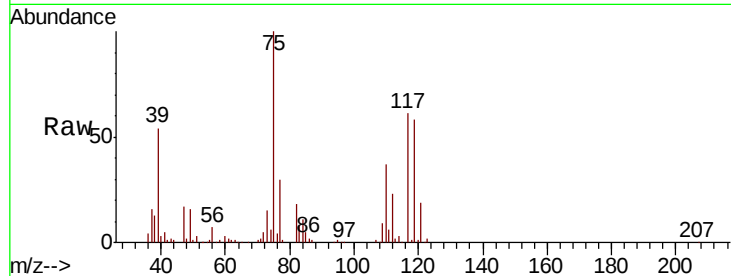
ClientSampleId :

VN0727WBS01

Tot Ion:	75	Resp:	254076
Ion Ratio	Lower	Upper	
75	100		
110	36.2	0.0	73.2
77	29.9	0.0	62.0

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#30

2-Butanone

Concen: 91.684 ug/l

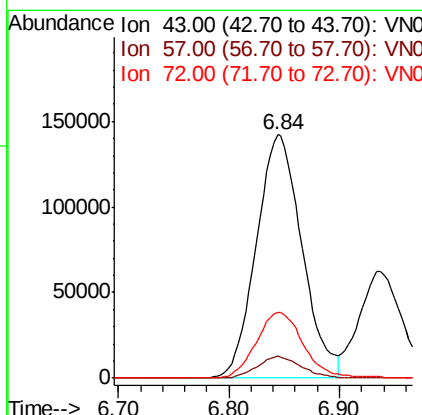
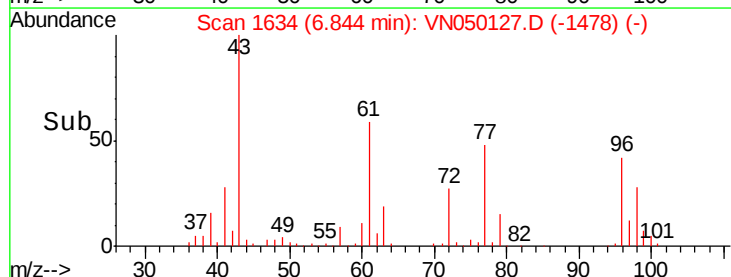
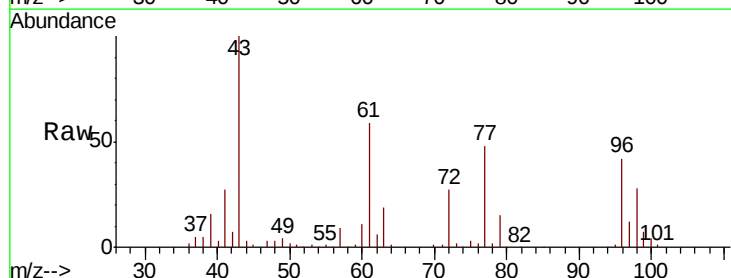
RT: 6.84 min Scan# 1634

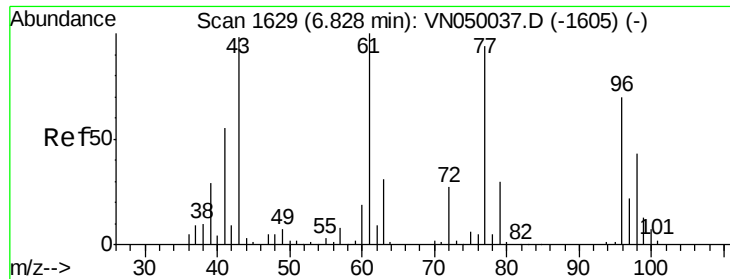
Delta R.T. 0.00 min

Lab File: VN050127.D

Acq: 27 Jul 2018 12:48

Tgt Ion:	43	Resp:	406647
Ion Ratio	Lower	Upper	
43	100		
57	8.7	6.8	10.2
72	27.8	21.4	32.0





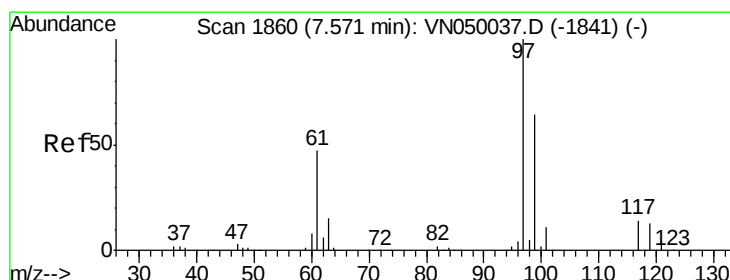
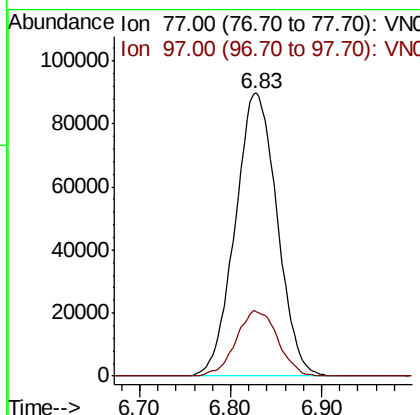
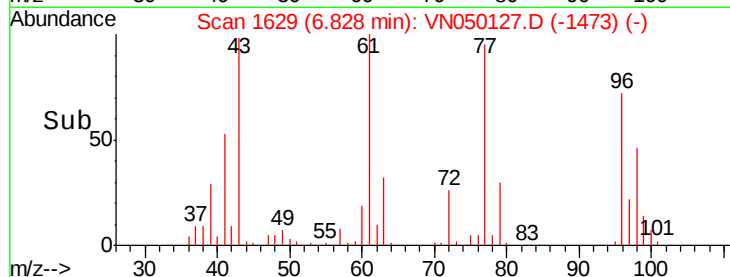
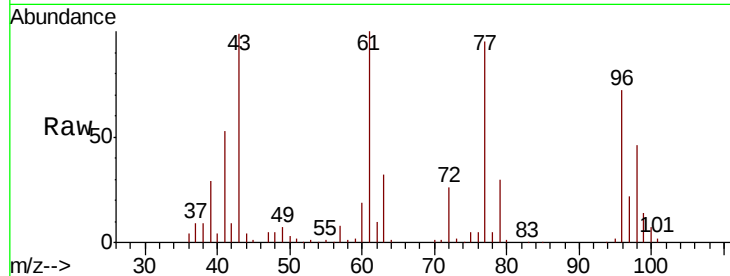
#31
 2,2-Dichloropropane
 Concen: 18.398 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VN050127.D
 Acq: 27 Jul 2018 12:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS01

Tot Ion: 77 Resp: 287435
 Ion Ratio Lower Upper
 77 100
 97 23.0 18.9 28.3

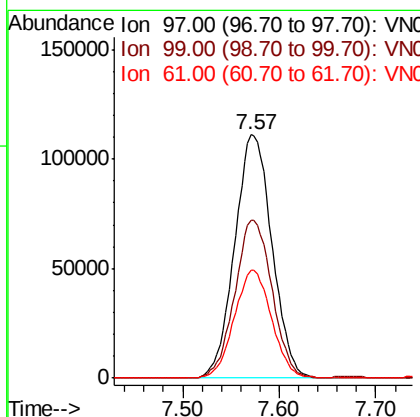
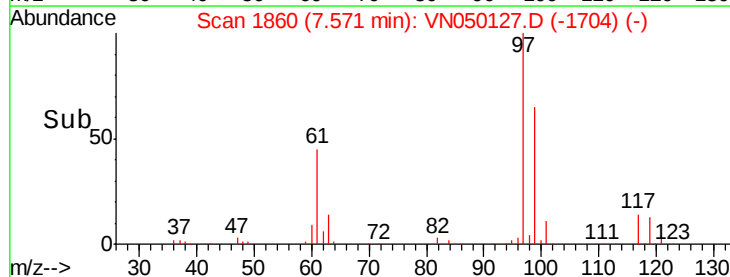
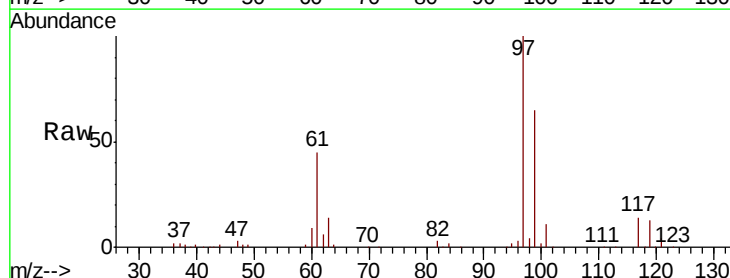
Manual Integrations
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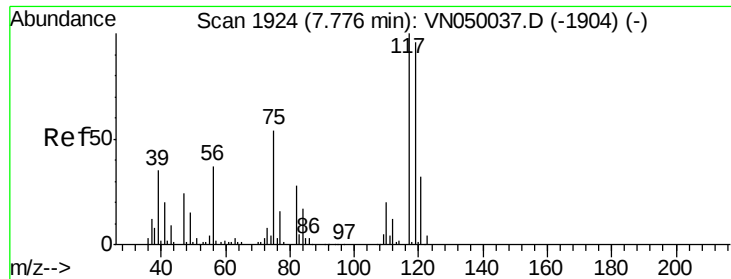
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#32
 1,1,1-Trichloroethane
 Concen: 17.892 ug/l
 RT: 7.57 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN050127.D
 Acq: 27 Jul 2018 12:48

Tgt Ion: 97 Resp: 297657
 Ion Ratio Lower Upper
 97 100
 99 64.8 51.2 76.8
 61 44.5 35.3 52.9





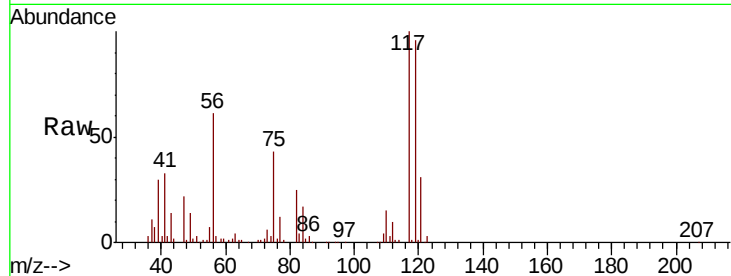
#33
Carbon Tetrachloride
Concen: 17.664 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050127.D
Acq: 27 Jul 2018 12:48

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.9	115.3
121	31.1	24.4	36.6

Manual Integrations
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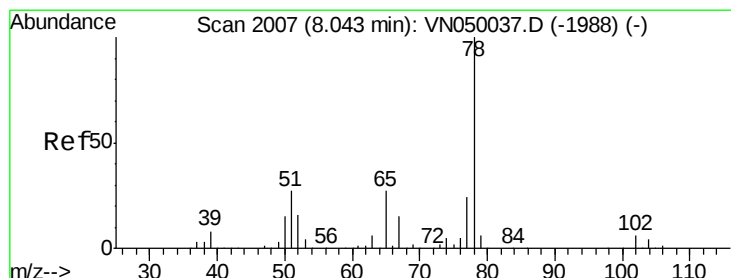
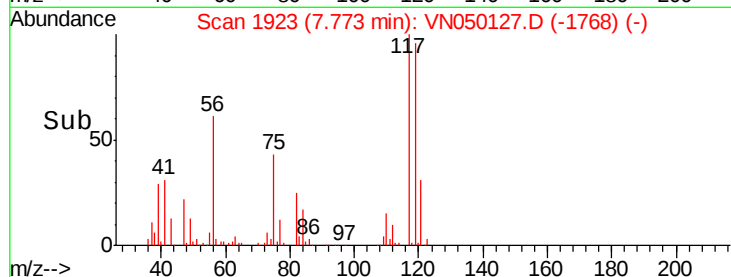
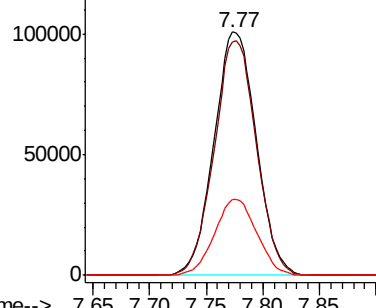


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34
Benzene
Concen: 17.789 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050127.D
Acq: 27 Jul 2018 12:48

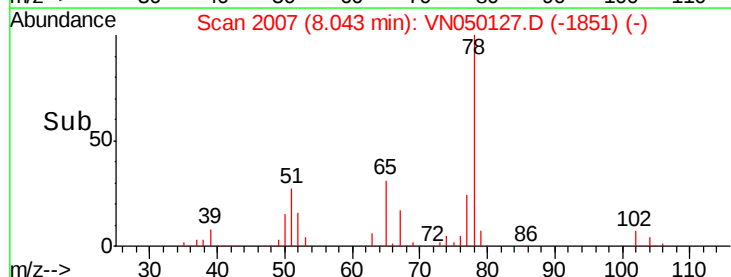
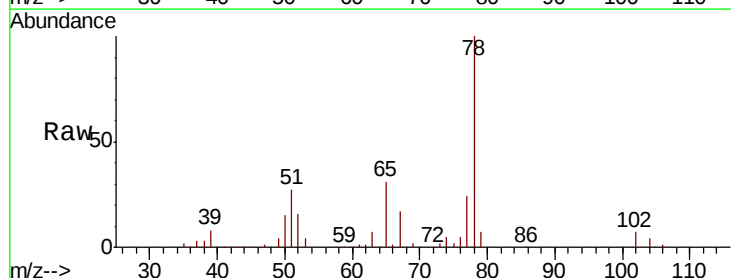
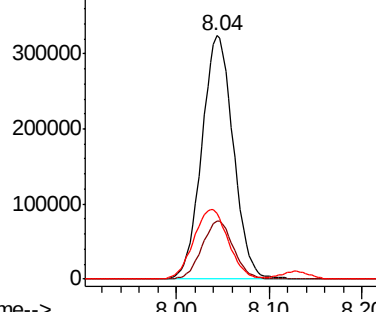
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.1	28.7
51	26.8	21.0	31.4

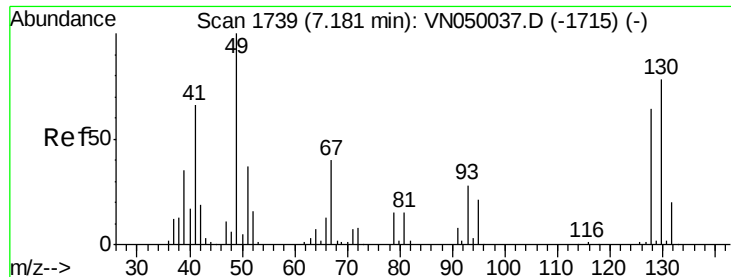
Abundance

Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V





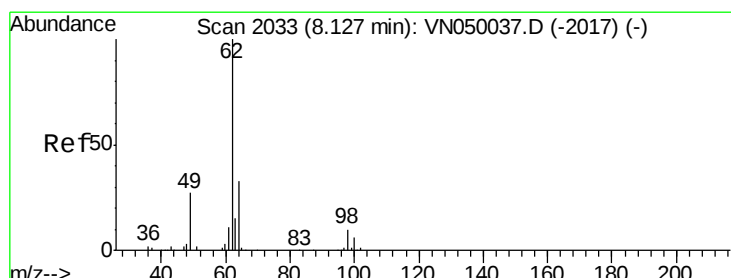
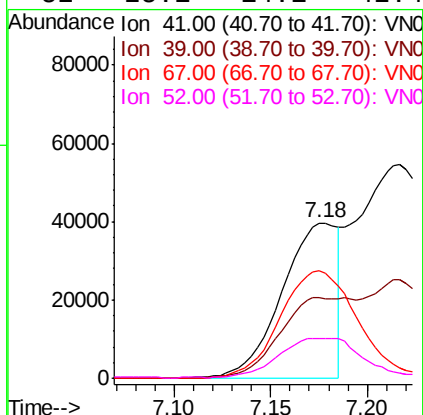
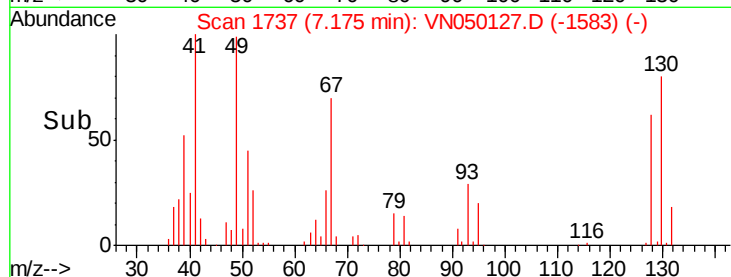
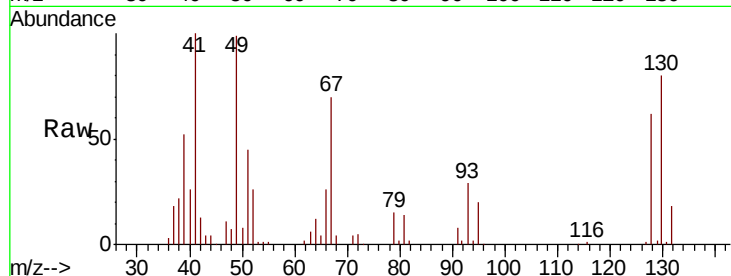
#35
Methacrylonitrile
Concen: 15.728 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VN050127.D
Acq: 27 Jul 2018 12:48

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS01

Tot Ion	41	Resp	79425
Ion	Ratio	Lower	Upper
41	100		
39	51.8	27.6	82.7
67	69.6	35.1	105.5
52	25.1	14.1	42.4

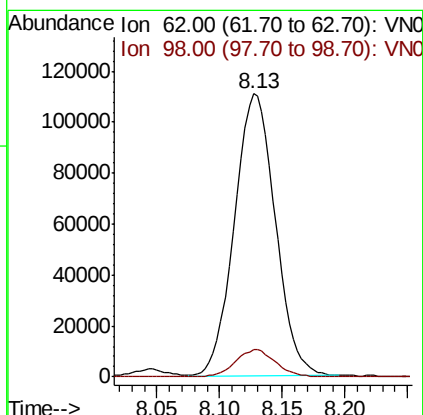
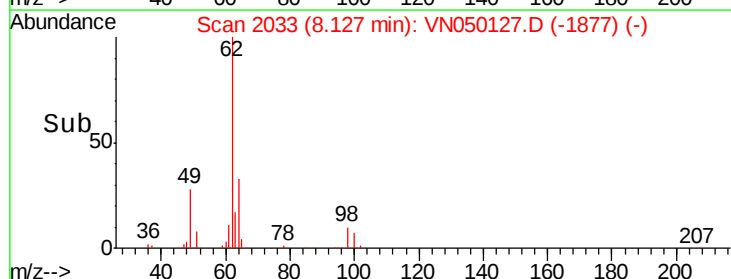
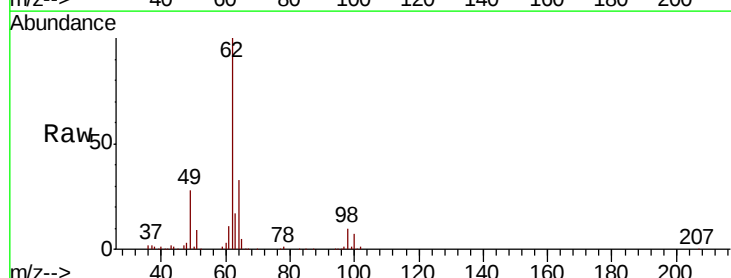
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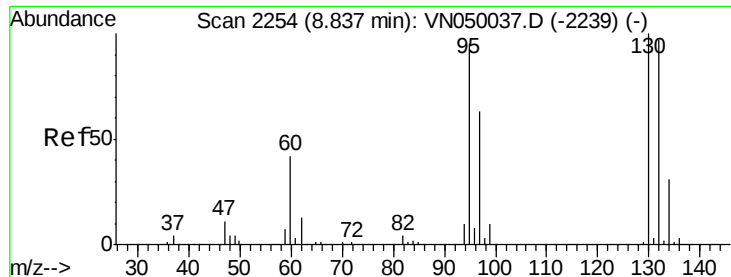
MMDadoda
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#36
1,2-Dichloroethane
Concen: 17.835 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050127.D
Acq: 27 Jul 2018 12:48

Tgt Ion	62	Resp	251363
Ion	Ratio	Lower	Upper
62	100		
98	9.6	7.8	11.6





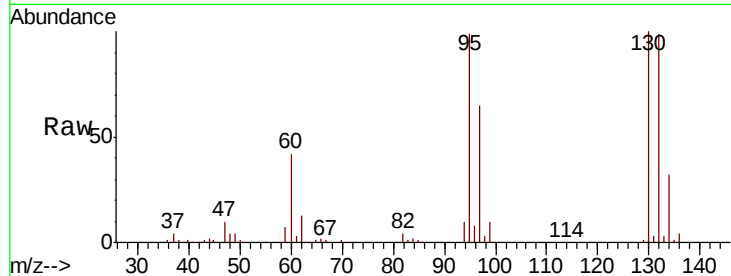
#37
 Trichloroethene
 Concen: 18.308 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN050127.D
 Acq: 27 Jul 2018 12:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS01

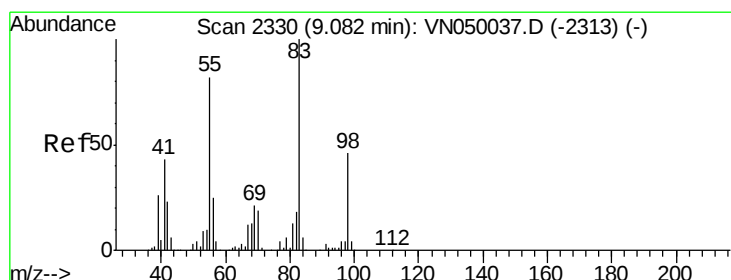
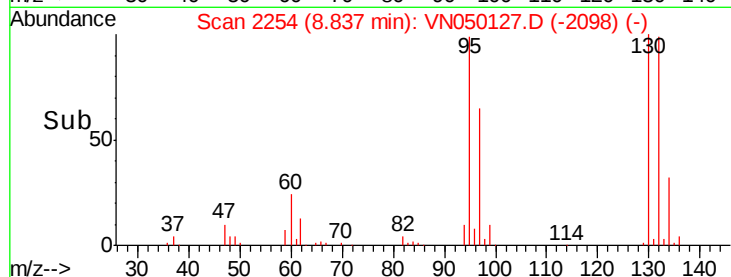
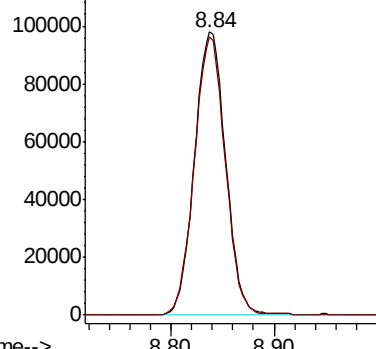
Tot Ion:130 Resp: 206115
 Ion Ratio Lower Upper
 130 100
 95 98.5 79.7 119.5

Manual Integrations
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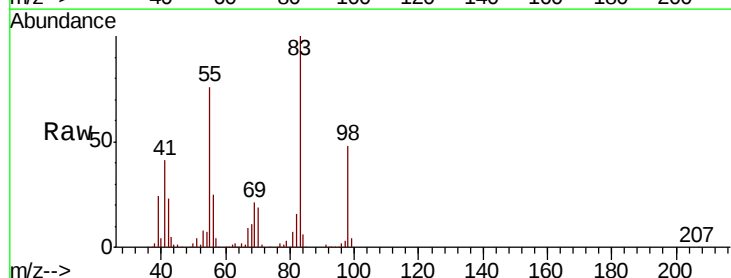


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

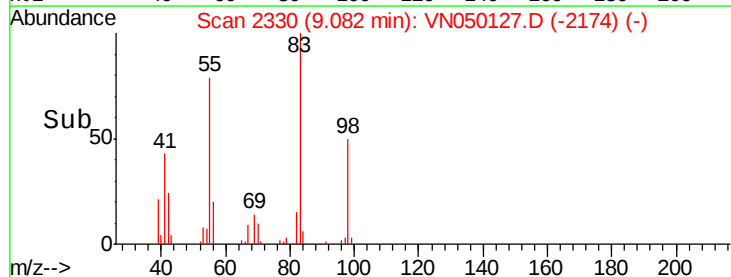
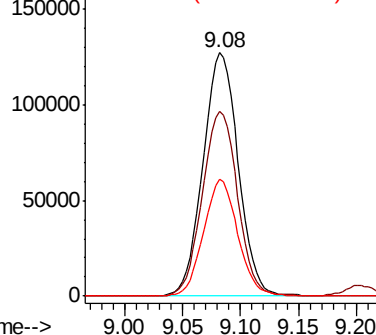


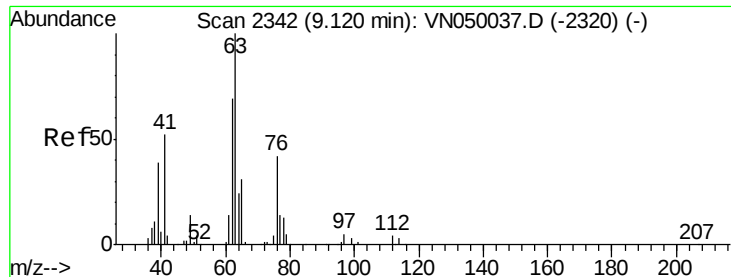
#38
 Methylcyclohexane
 Concen: 18.038 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VN050127.D
 Acq: 27 Jul 2018 12:48

Tgt Ion: 83 Resp: 268773
 Ion Ratio Lower Upper
 83 100
 55 75.8 39.3 117.8
 98 46.6 23.0 69.0



Abundance Ion 83.00 (82.70 to 83.70): VN
 Ion 55.00 (54.70 to 55.70): VN
 Ion 98.00 (97.70 to 98.70): VN





#39

1,2-Dichloropropane

Concen: 17.791 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN050127.D

Acq: 27 Jul 2018 12:48

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS01

Tot Ion: 63 Resp: 201174

Ion Ratio Lower Upper

63 100

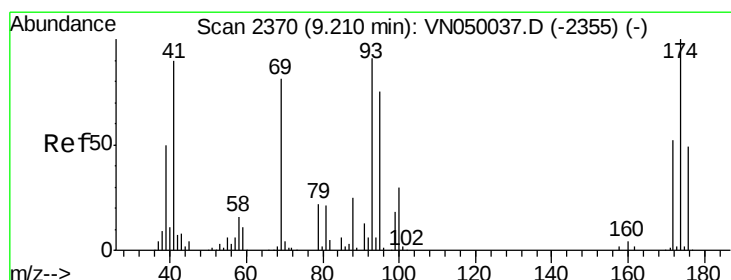
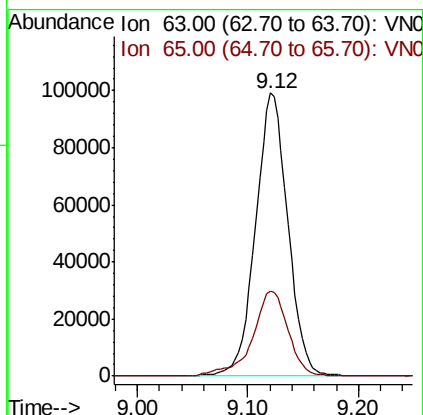
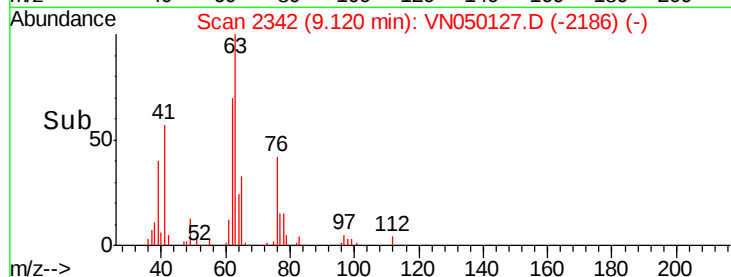
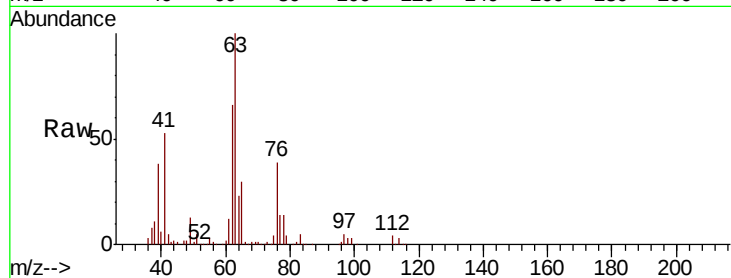
65 30.1 24.2 36.2

Manual Integrations

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#40

Dibromomethane

Concen: 17.764 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050127.D

Acq: 27 Jul 2018 12:48

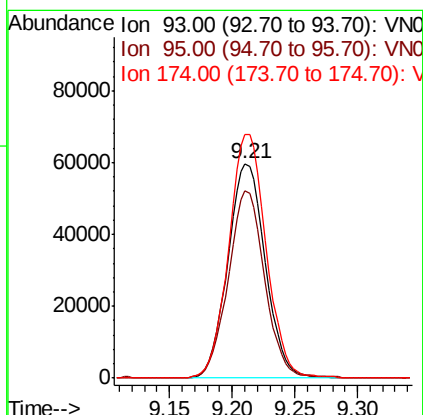
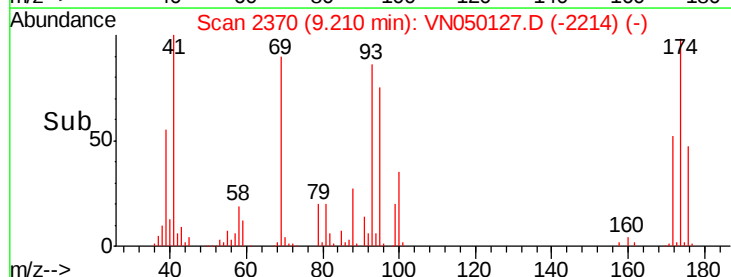
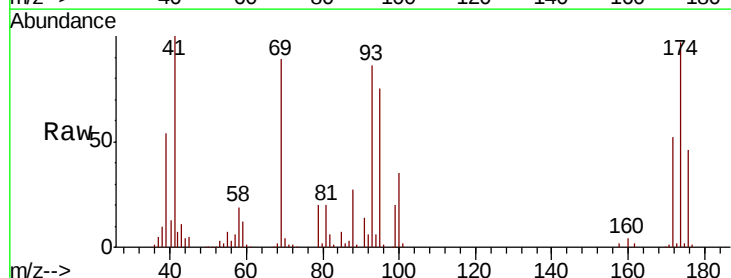
Tgt Ion: 93 Resp: 124145

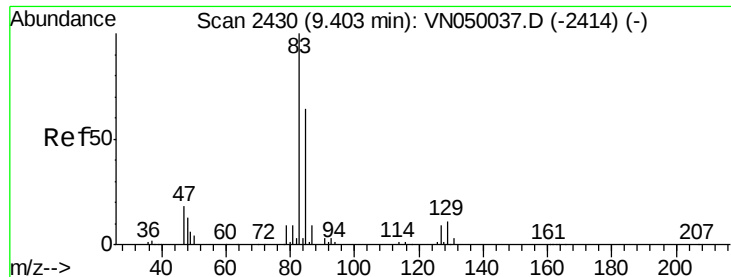
Ion Ratio Lower Upper

93 100

95 84.5 0.0 165.6

174 113.2 0.0 223.2





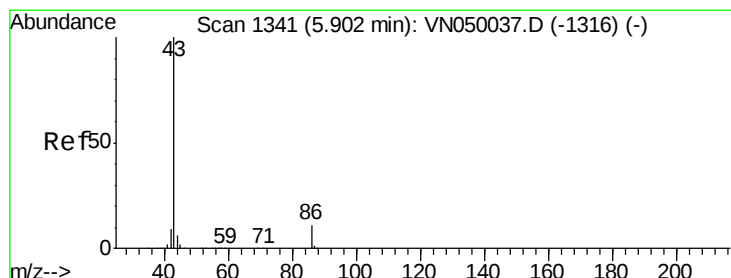
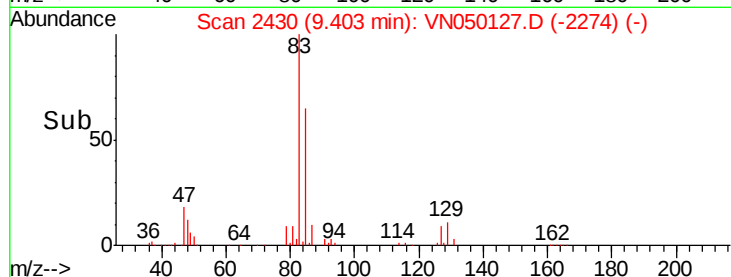
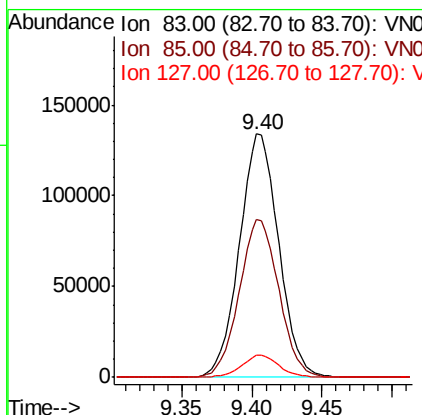
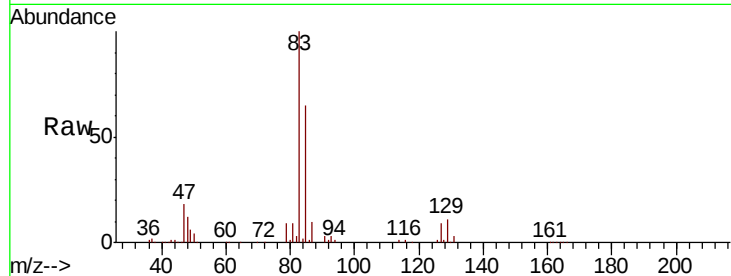
#41
Bromodichloromethane
Concen: 17.711 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VN050127.D
Acq: 27 Jul 2018 12:48

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS01

Tot Ion	83	Resp	261103
Ion Ratio	100	Lower	Upper
83	100		
85	64.8	52.6	78.8
127	9.0	7.0	10.4

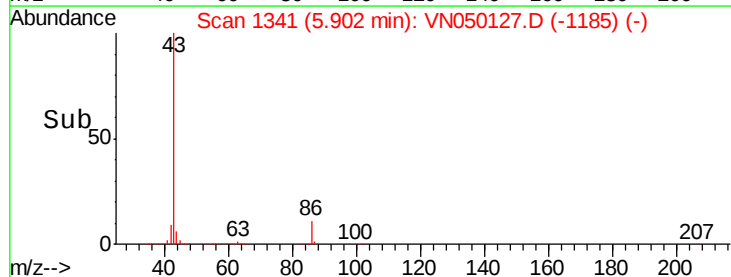
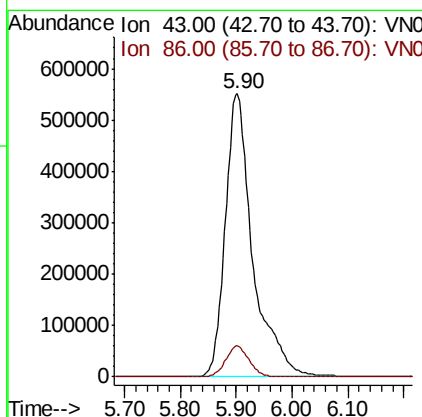
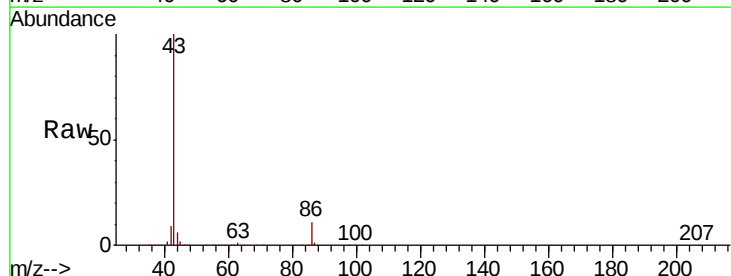
Manual Integrations
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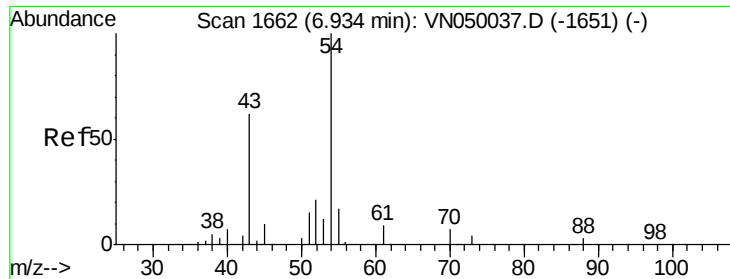
MMDadoda
7/30/2018 1:37:16 PM



#42
Vinyl Acetate
Concen: 90.571 ug/l
RT: 5.90 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VN050127.D
Acq: 27 Jul 2018 12:48

Tgt Ion	43	Resp	1890348
Ion Ratio	100	Lower	Upper
43	100		
86	9.3	7.3	10.9





#43

Ethyl Acetate

Concen: 18.427 ug/l

RT: 6.93 min Scan# 1662

Delta R.T. 0.00 min

Lab File: VN050127.D

Acq: 27 Jul 2018 12:48

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS01

Tot Ion: 43 Resp: 170666

Ion Ratio Lower Upper

43 100

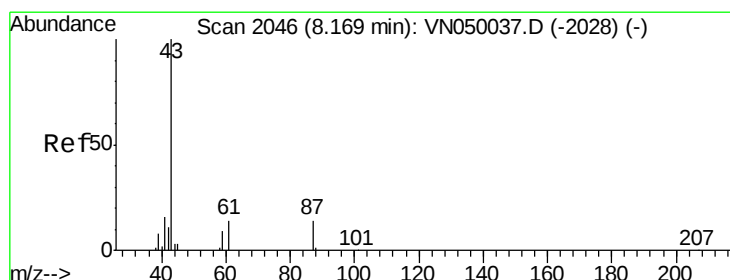
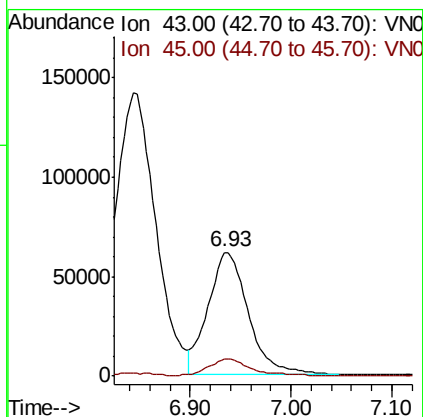
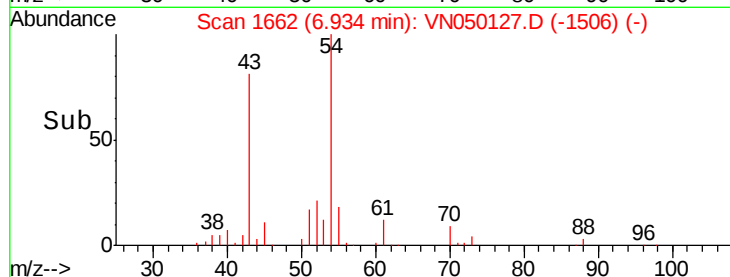
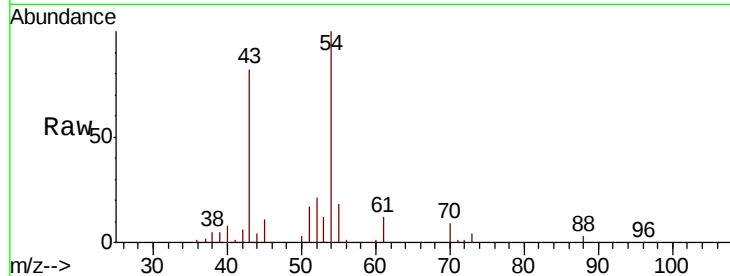
45 13.6 13.0 19.6

Manual Integrations

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#44

Isopropyl Acetate

Concen: 19.915 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050127.D

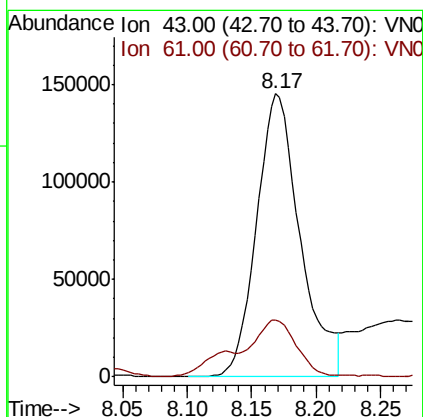
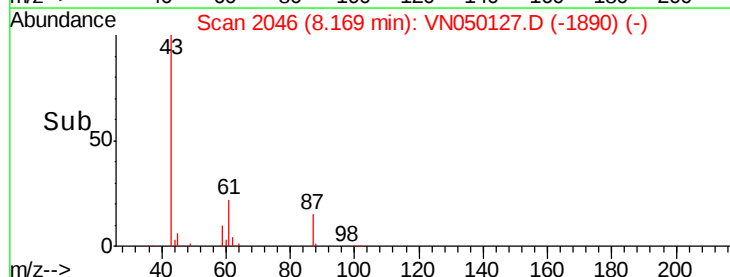
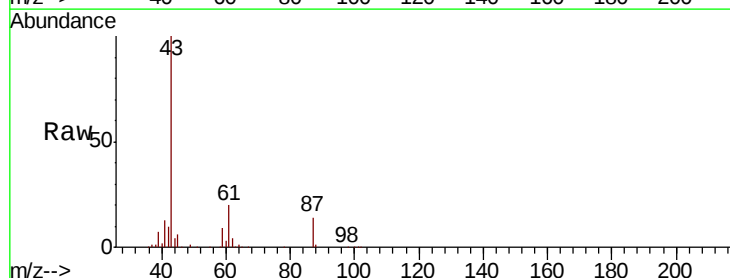
Acq: 27 Jul 2018 12:48

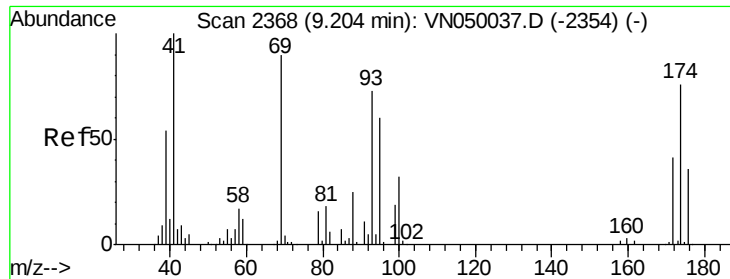
Tgt Ion: 43 Resp: 341684

Ion Ratio Lower Upper

43 100

61 17.9 16.4 24.6





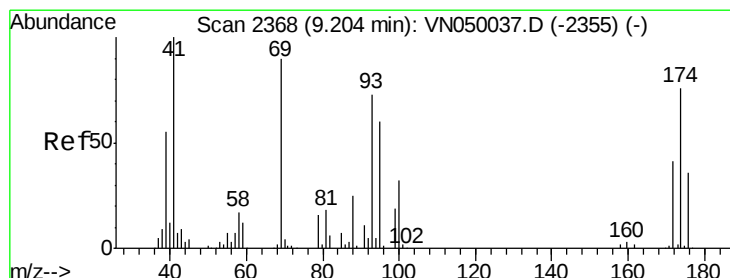
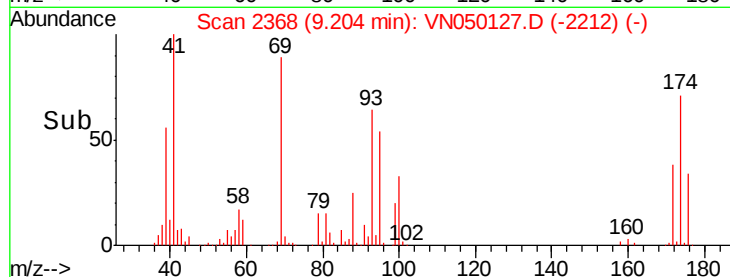
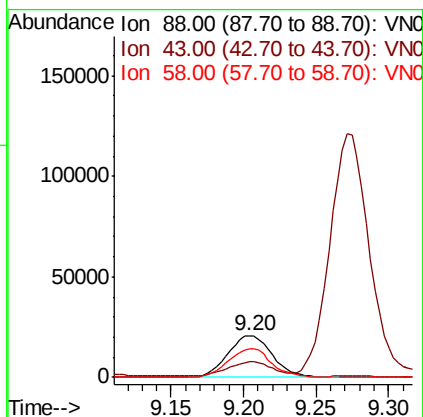
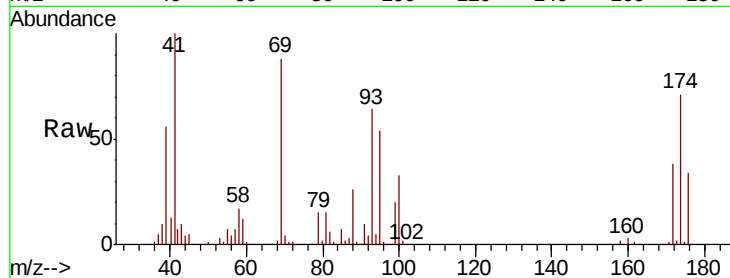
#45
 1,4-Dioxane
 Concen: 391.394 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VN050127.D
 Acq: 27 Jul 2018 12:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.1	26.9	40.3
58	67.4	53.6	80.4

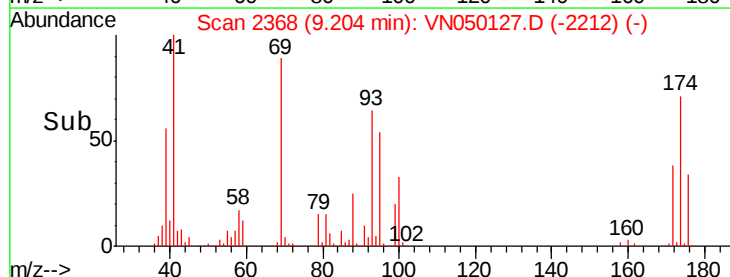
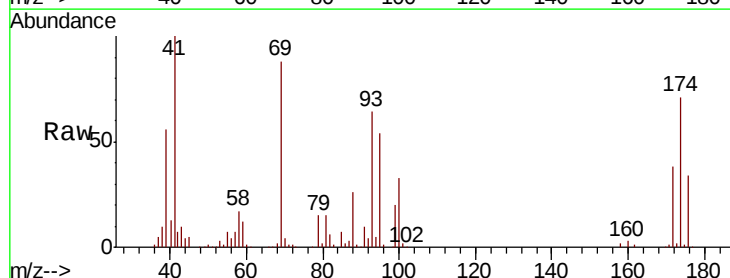
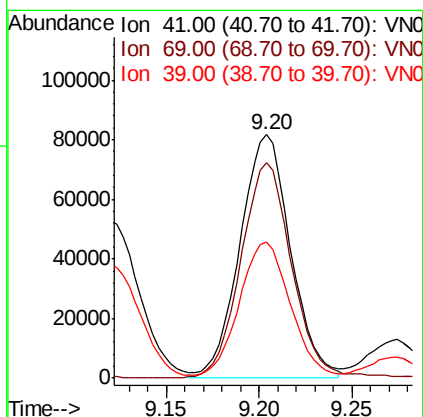
Manual Integrations
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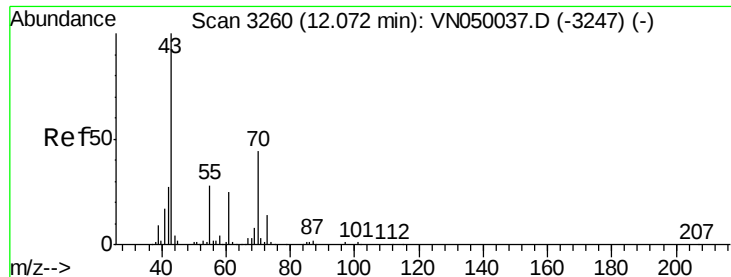
MMDadoda
 7/30/2018 1:37:16 PM



#46
 Methyl methacrylate
 Concen: 18.659 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VN050127.D
 Acq: 27 Jul 2018 12:48

Tgt Ion	Ratio	Lower	Upper
41	100		
69	89.7	44.0	132.1
39	55.7	27.0	80.8





#47

n-amvl Acetate

Concen: 17.674 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050127.D

Acq: 27 Jul 2018 12:48

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS01

Tot Ion: 43 Resp: 235955

Ion Ratio Lower Upper

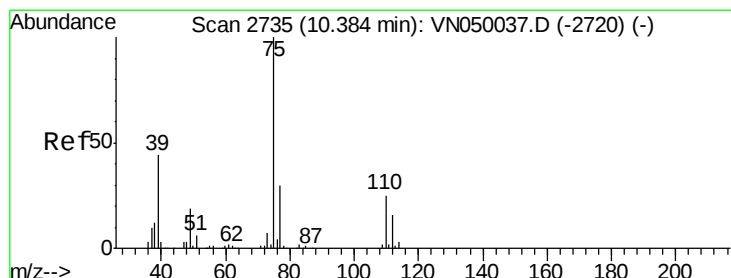
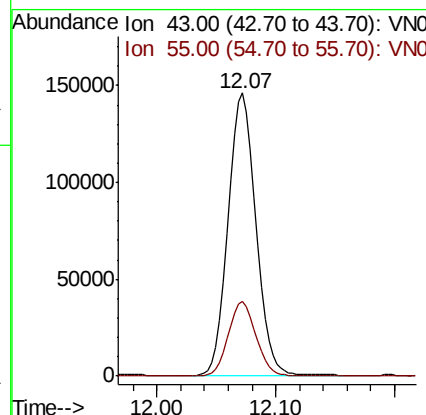
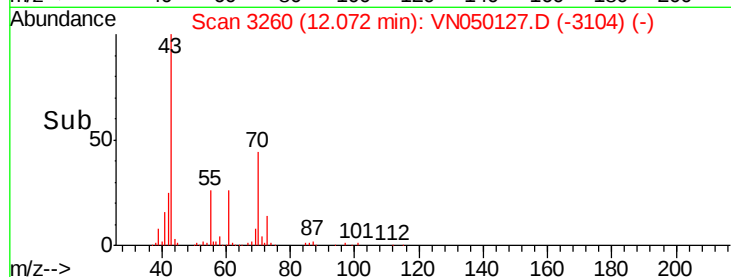
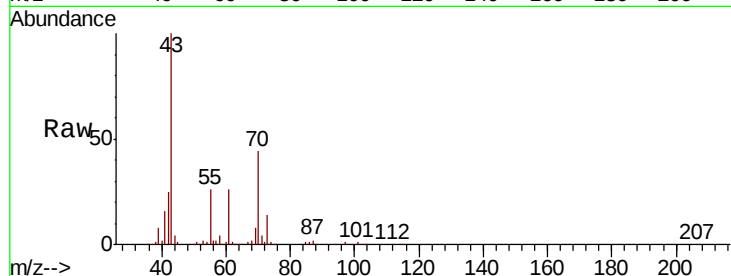
43 100

55 26.4 21.0 31.4

Manual Integrations
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#48

t-1,3-Dichloropropene

Concen: 18.578 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050127.D

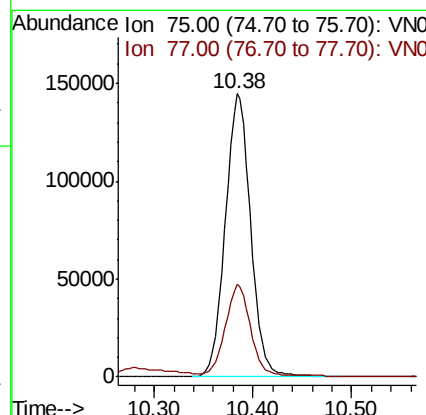
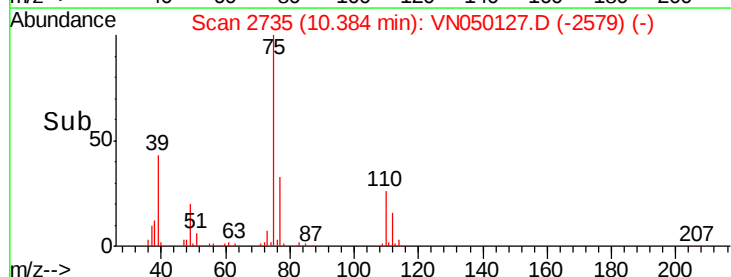
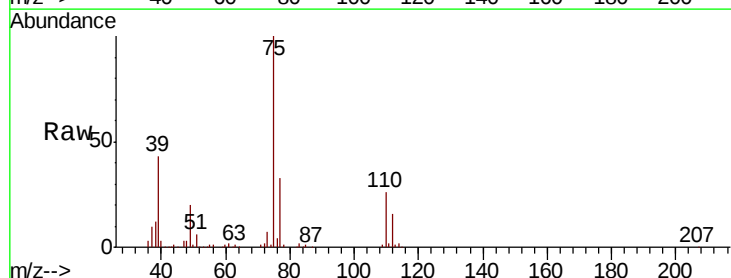
Acq: 27 Jul 2018 12:48

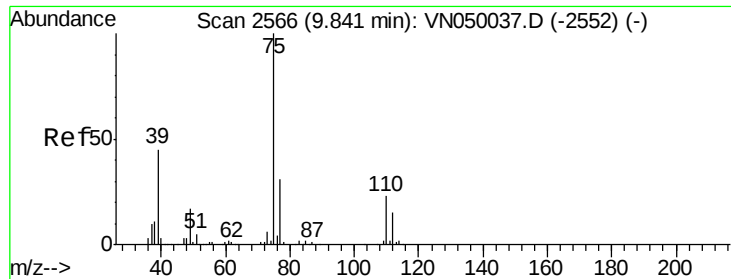
Tgt Ion: 75 Resp: 261047

Ion Ratio Lower Upper

75 100

77 32.5 24.6 37.0





#49

cis-1,3-Dichloropropene

Concen: 18.211 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN050127.D

Acq: 27 Jul 2018 12:48

Instrument :

MSVOA_N

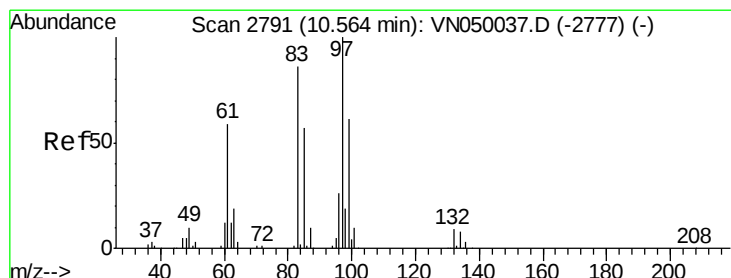
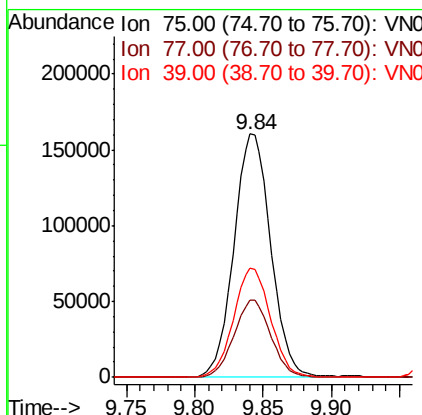
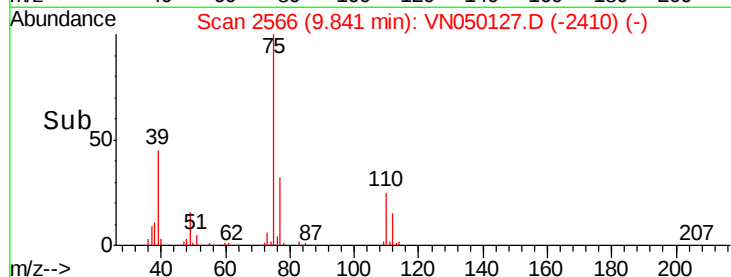
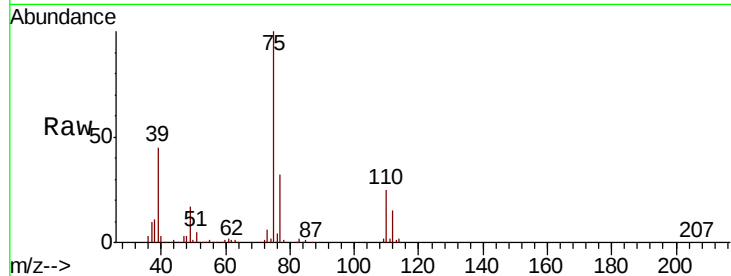
ClientSampleId :

VN0727WBS01

Tot Ion:	75	Resp:	300684
Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.7	38.5
39	45.1	36.3	54.5

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#50

1,1,2-Trichloroethane

Concen: 18.191 ug/l

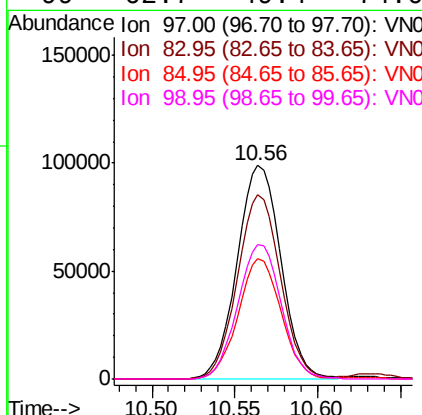
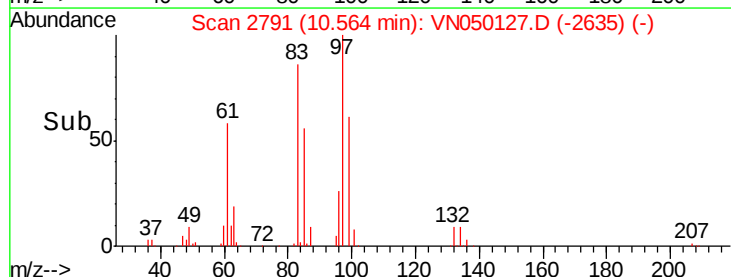
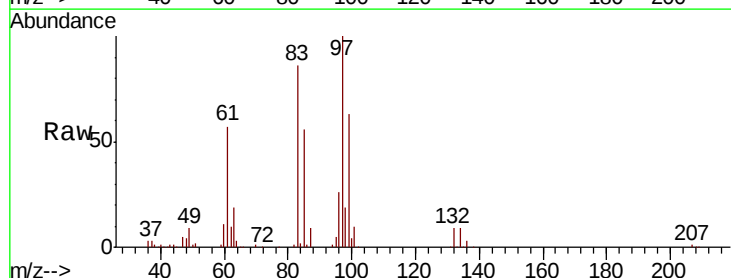
RT: 10.56 min Scan# 2791

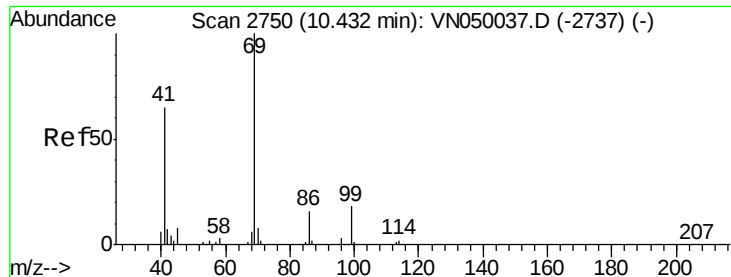
Delta R.T. 0.00 min

Lab File: VN050127.D

Acq: 27 Jul 2018 12:48

Tgt Ion:	97	Resp:	182489
Ion	Ratio	Lower	Upper
97	100		
83	86.2	68.1	102.1
85	56.3	45.4	68.2
99	62.7	49.4	74.0





#51

Ethyl methacrylate

Concen: 18.616 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN050127.D

Acq: 27 Jul 2018 12:48

Instrument :

MSVOA_N

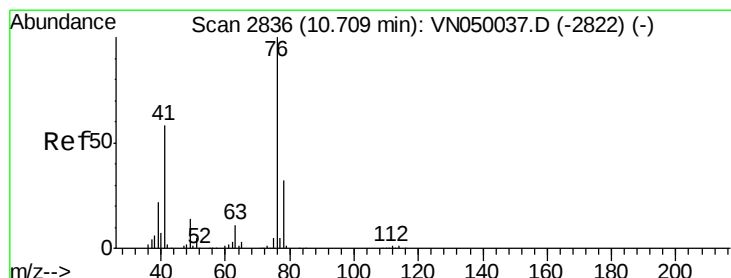
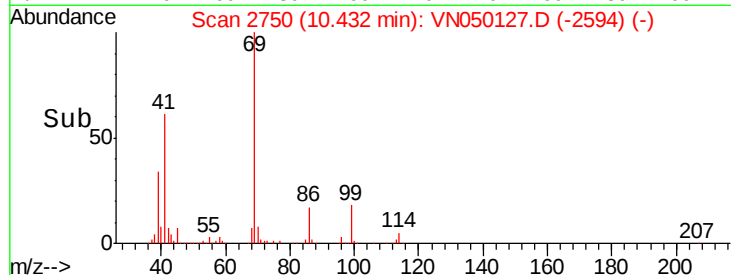
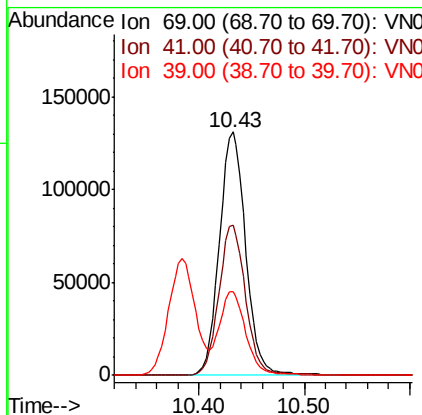
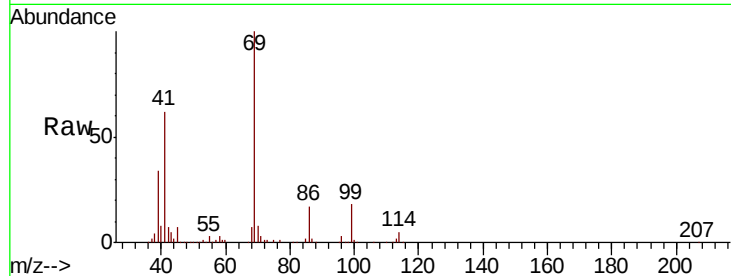
ClientSampleId :

VN0727WBS01

Tot Ion:	69	Resp:	226670
Ion	Ratio	Lower	Upper
69	100		
41	61.3	31.9	95.9
39	34.3	16.7	50.1

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 18.123 ug/l

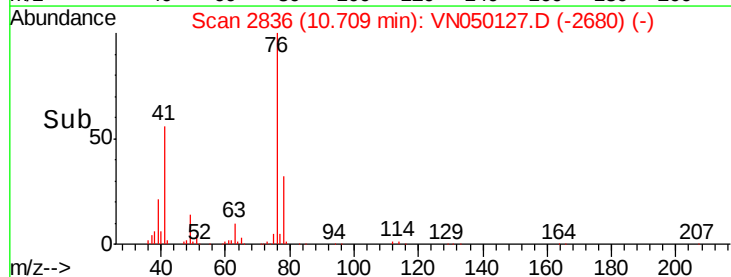
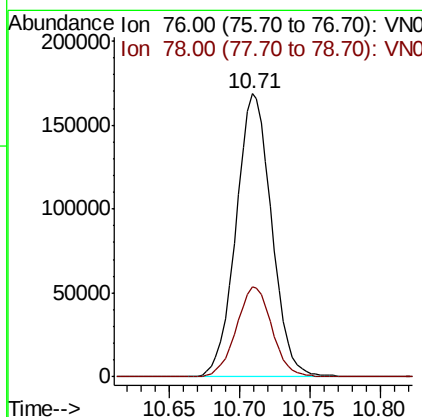
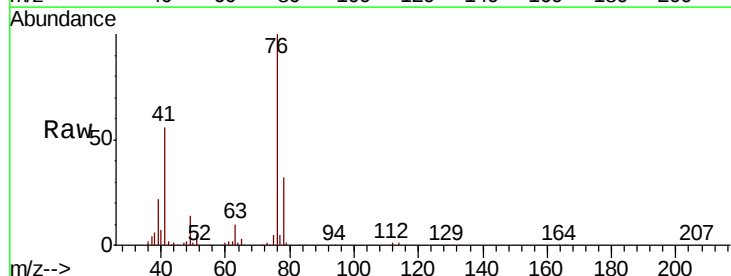
RT: 10.71 min Scan# 2836

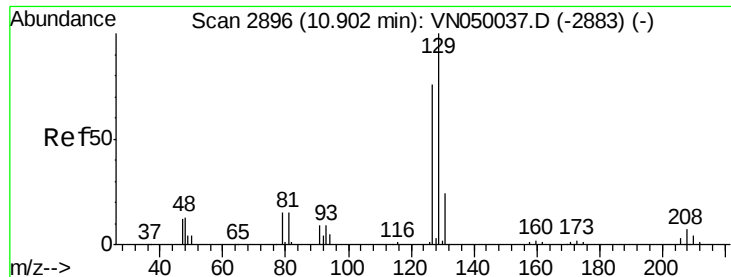
Delta R.T. 0.00 min

Lab File: VN050127.D

Acq: 27 Jul 2018 12:48

Tgt Ion:	76	Resp:	298540
Ion	Ratio	Lower	Upper
76	100		
78	32.0	0.0	65.6





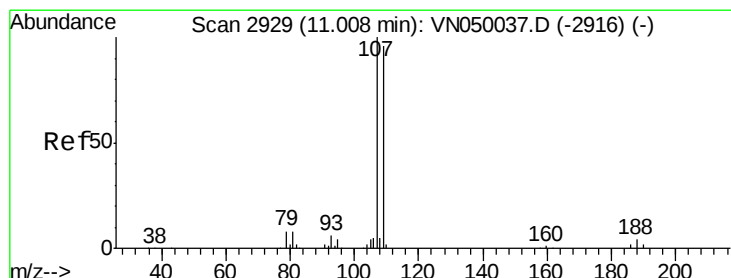
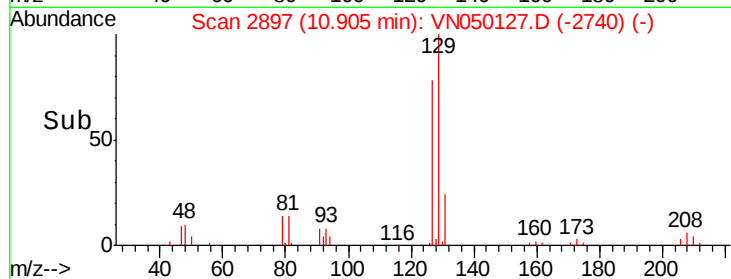
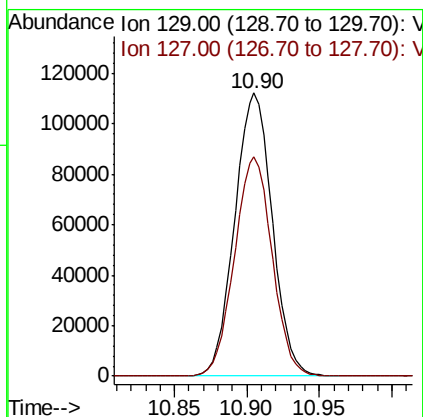
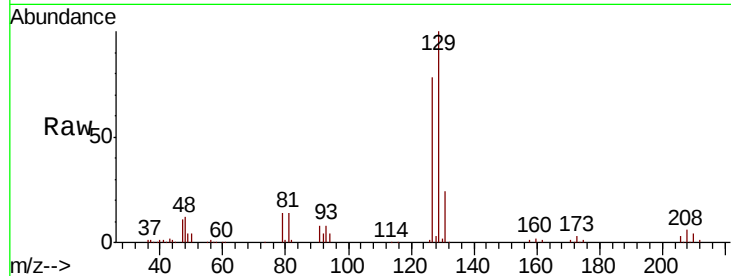
#53
Dibromochloromethane
Concen: 17.771 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050127.D
Acq: 27 Jul 2018 12:48

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS01

Tot Ion:129 Resp: 202313
Ion Ratio Lower Upper
129 100
127 77.6 38.1 114.5

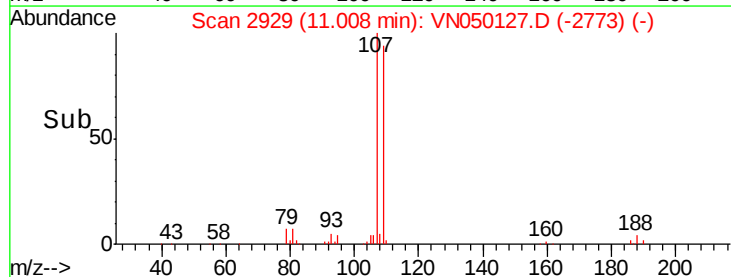
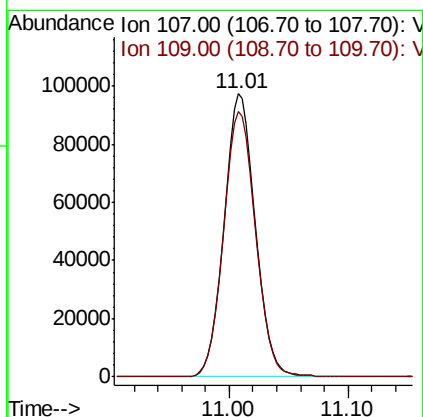
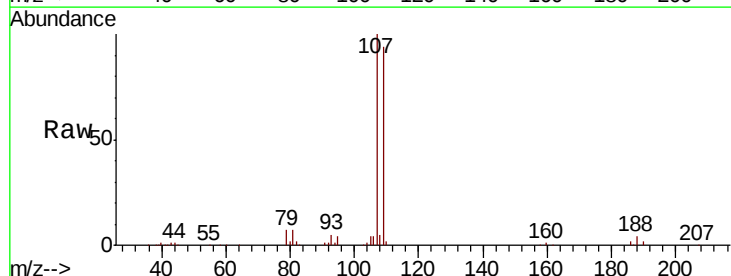
Manual Integrations
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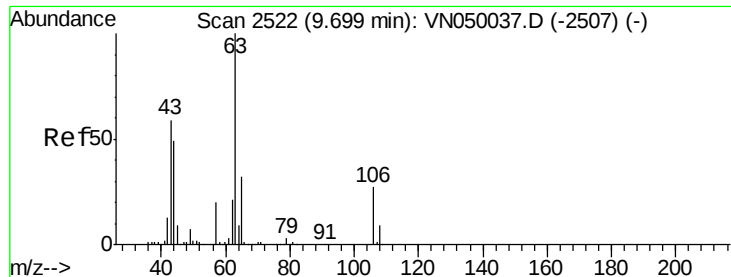
MMDadoda
7/30/2018 1:37:16 PM



#54
1,2-Dibromoethane
Concen: 17.970 ug/l
RT: 11.01 min Scan# 2929
Delta R.T. 0.00 min
Lab File: VN050127.D
Acq: 27 Jul 2018 12:48

Tgt Ion:107 Resp: 176553
Ion Ratio Lower Upper
107 100
109 96.0 76.2 114.2





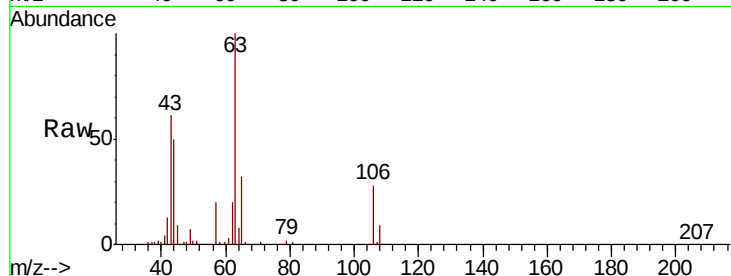
#55
2-Chloroethyl vinyl ether
Concen: 92.203 ug/l
RT: 9.70 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VN050127.D
Acq: 27 Jul 2018 12:48

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.2	25.5	38.3
106	28.0	21.8	32.6

Manual Integrations
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7/30/2018 1:37:16 PM

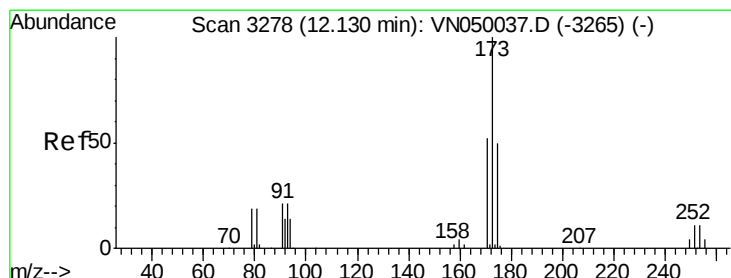
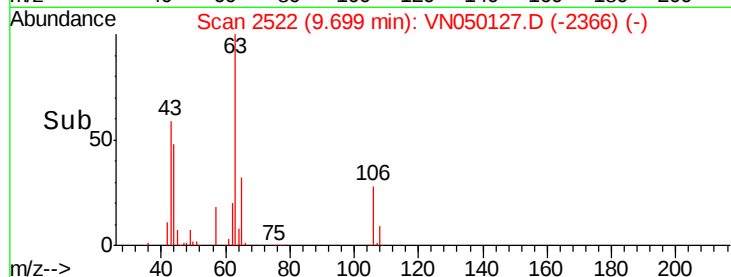
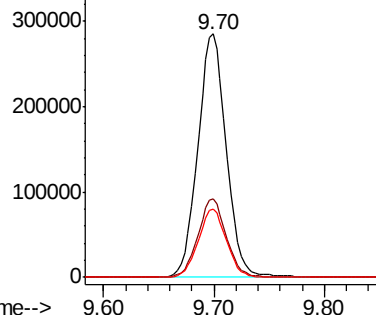


Abundance

Ion 63.00 (62.70 to 63.70): VN050037.D (-2507) (-)

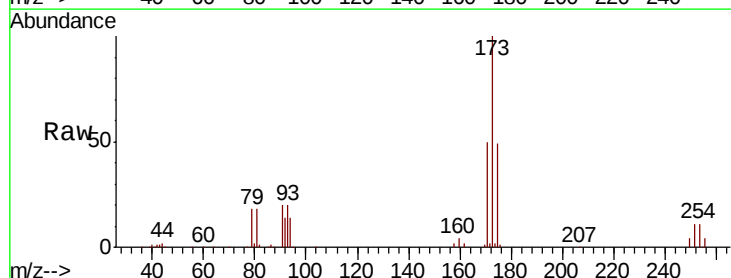
Ion 65.00 (64.70 to 65.70): VN050037.D (-2507) (-)

Ion 106.00 (105.70 to 106.70): VN050037.D (-2507) (-)



#56
Bromoform
Concen: 17.328 ug/l
RT: 12.13 min Scan# 3278
Delta R.T. 0.00 min
Lab File: VN050127.D
Acq: 27 Jul 2018 12:48

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.1	38.6	57.8
254	11.1	8.8	13.2

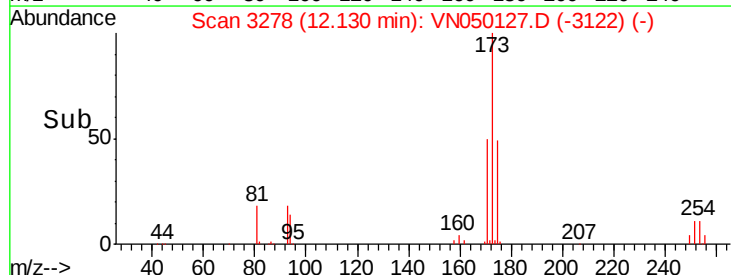
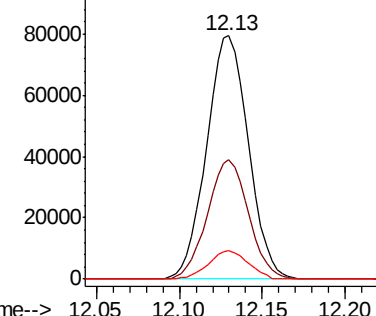


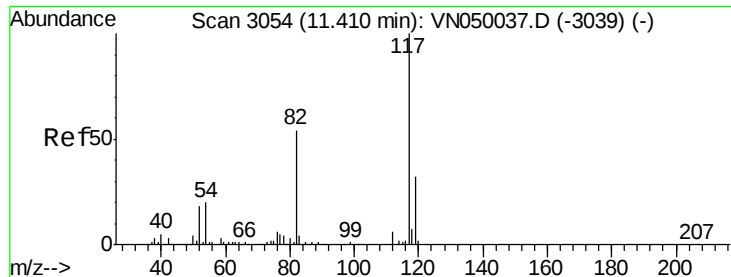
Abundance

Ion 173.00 (172.70 to 173.70): VN050037.D (-3265) (-)

Ion 175.00 (174.70 to 175.70): VN050037.D (-3265) (-)

Ion 254.00 (253.70 to 254.70): VN050037.D (-3265) (-)





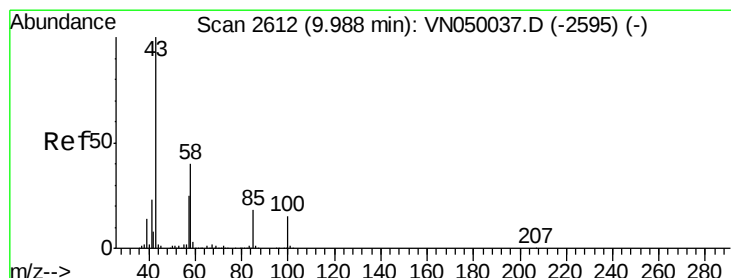
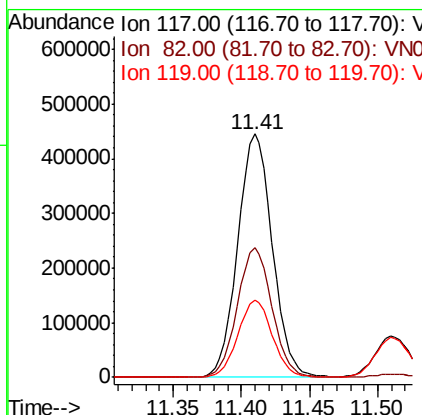
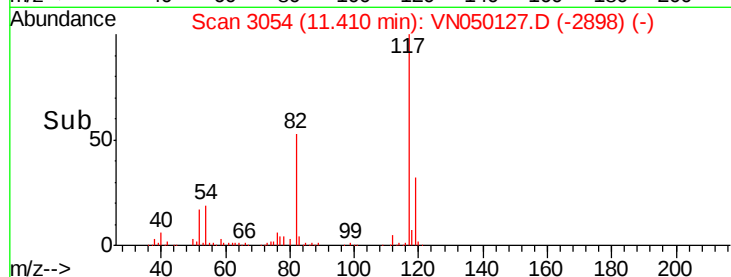
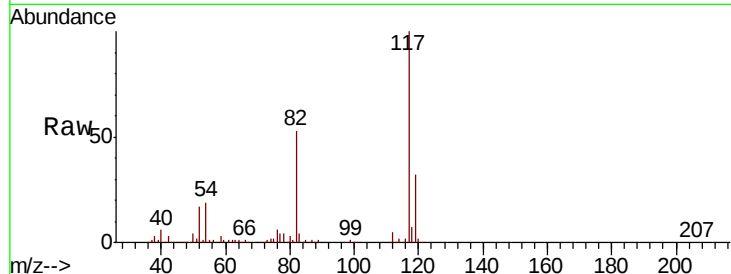
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050127.D
Acq: 27 Jul 2018 12:48

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	42.4	63.6
119	31.6	25.4	38.0

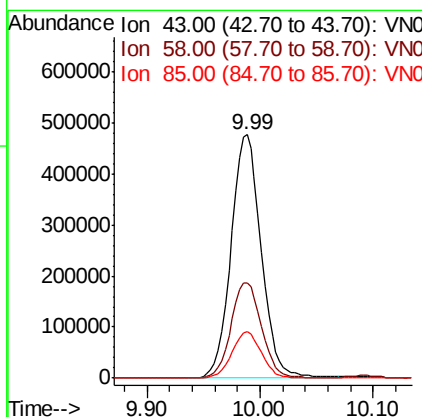
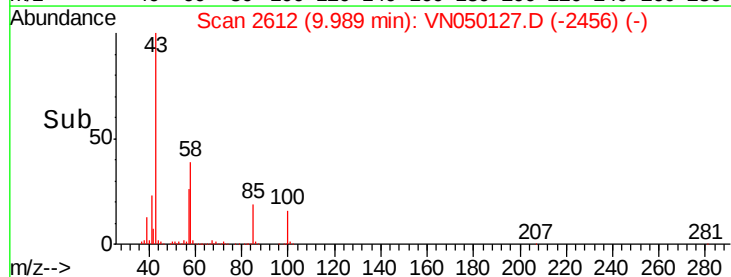
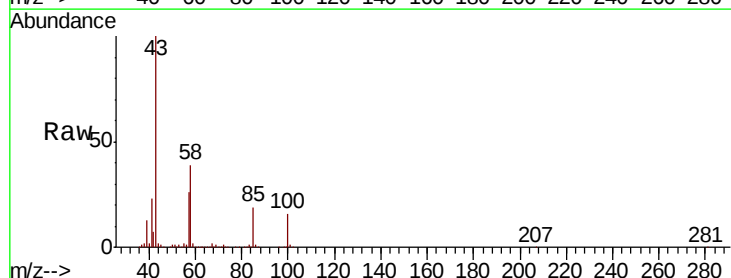
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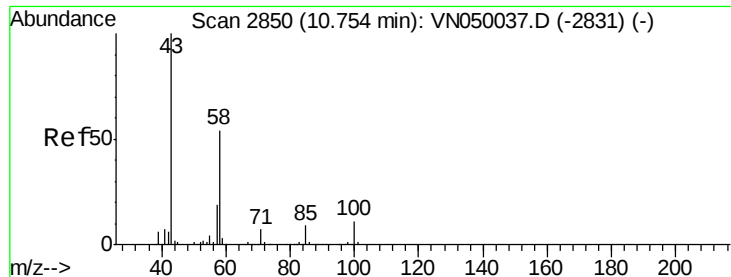
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#58
4-Methyl-2-Pentanone
Concen: 96.275 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN050127.D
Acq: 27 Jul 2018 12:48

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.9	31.2	46.8
85	18.9	14.4	21.6





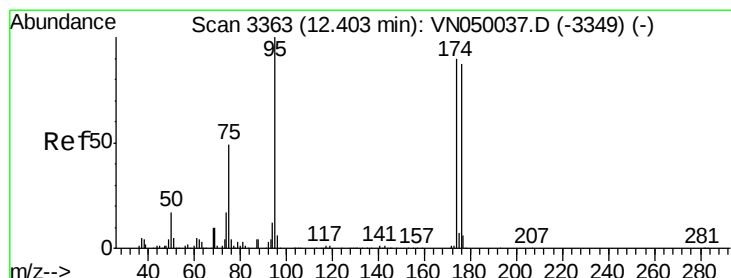
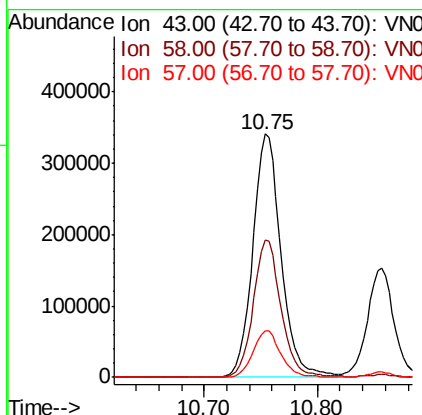
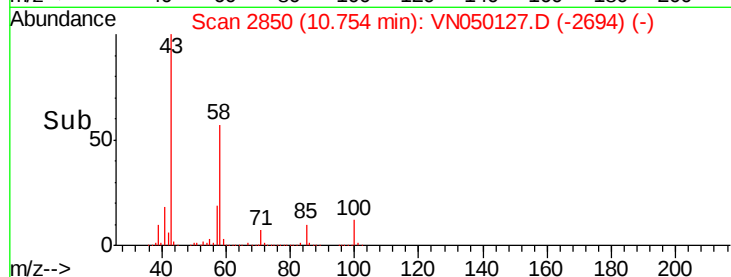
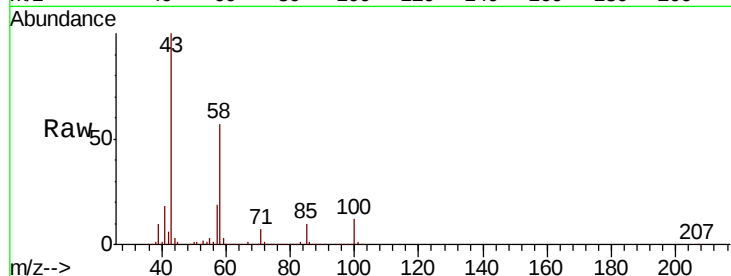
#59
2-Hexanone
Concen: 94.266 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050127.D
Acq: 27 Jul 2018 12:48

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.8	43.8	65.8
57	19.3	15.1	22.7

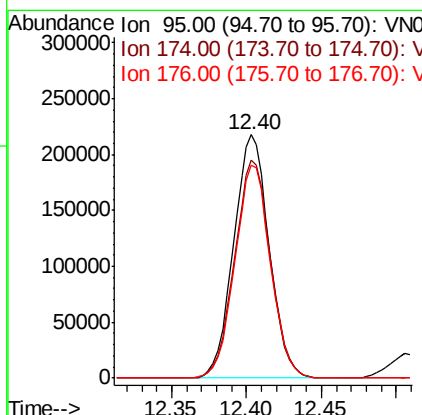
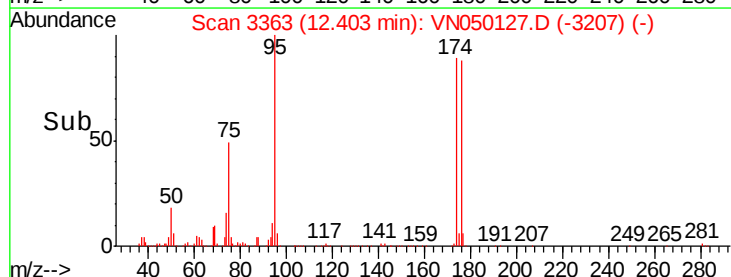
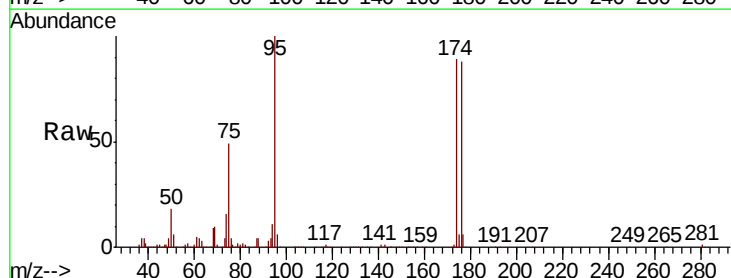
Manual Integrations
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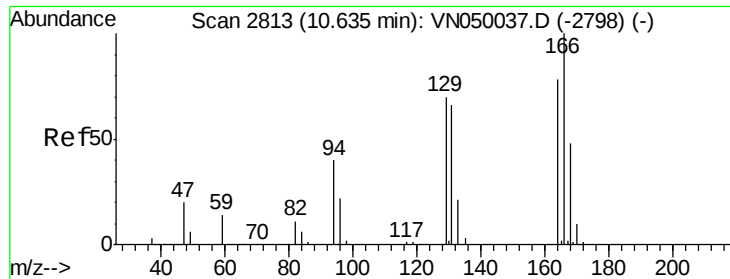
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#60
4-Bromofluorobenzene
Concen: 29.667 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050127.D
Acq: 27 Jul 2018 12:48

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.9	72.3	108.5
176	88.1	70.0	105.0





#61

Tetrachloroethene

Concen: 18.132 ug/l

RT: 10.63 min Scan# 2813

Delta R.T. 0.00 min

Lab File: VN050127.D

Acq: 27 Jul 2018 12:48

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS01

Tot Ion:164 Resp: 192856

Ion Ratio Lower Upper

164 100

166 129.1 100.0 150.0

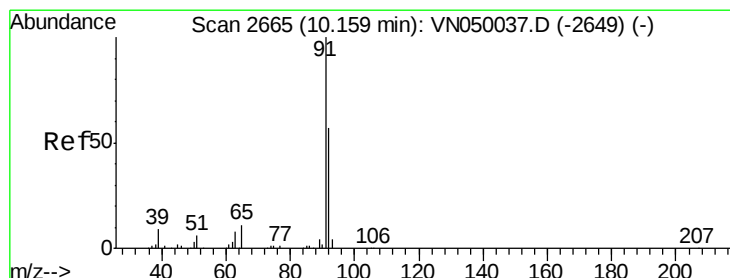
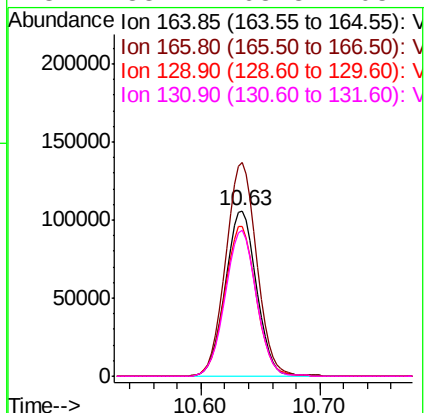
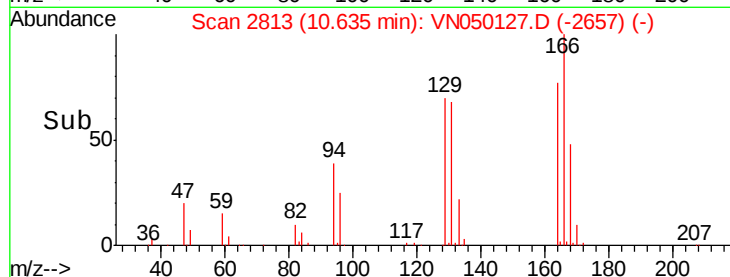
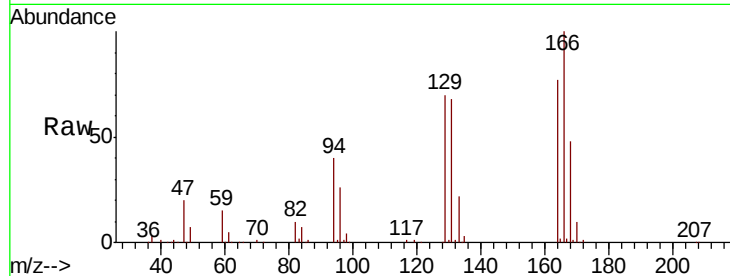
129 90.4 69.3 103.9

131 88.2 68.8 103.2

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#62

Toluene

Concen: 18.768 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050127.D

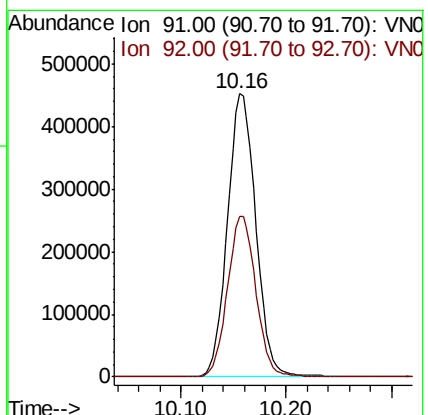
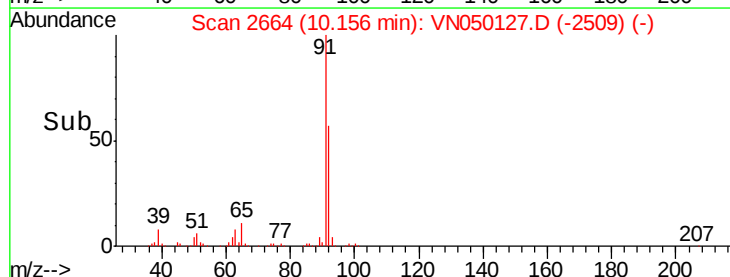
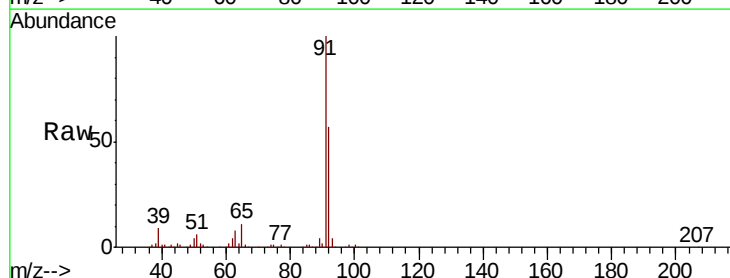
Acq: 27 Jul 2018 12:48

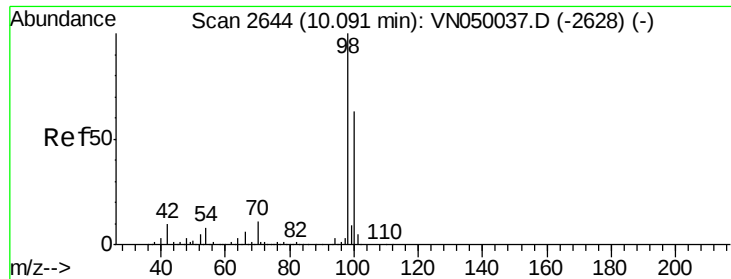
Tgt Ion: 91 Resp: 840860

Ion Ratio Lower Upper

91 100

92 56.7 45.7 68.5





#63

Toluene-d8

Concen: 29.346 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050127.D

Acq: 27 Jul 2018 12:48

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS01

Tot Ion: 98 Resp: 1100698

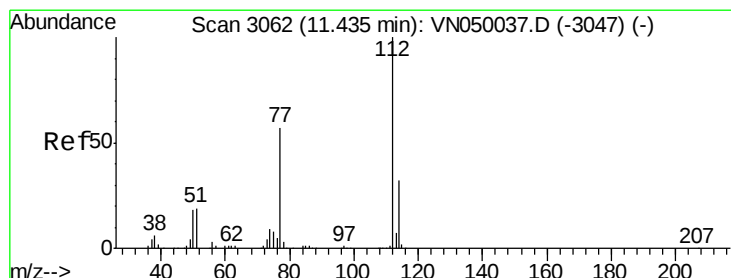
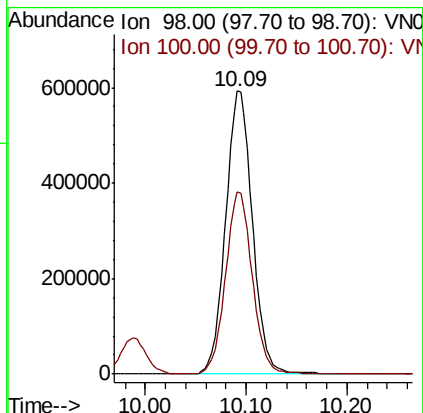
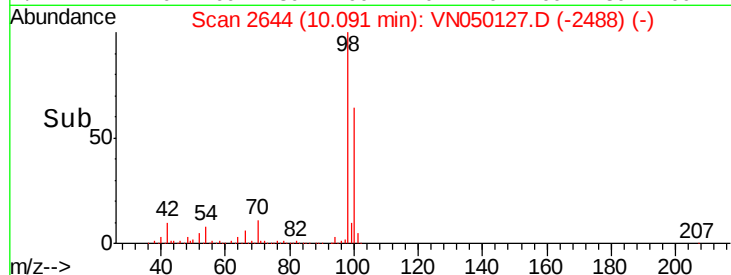
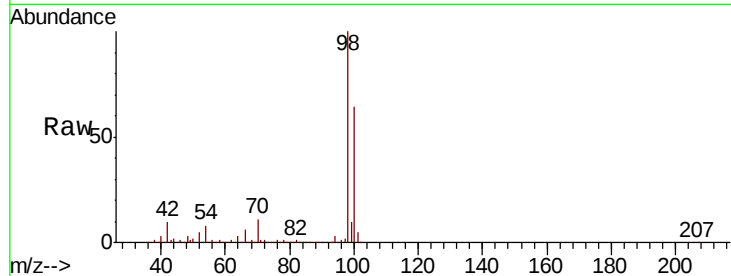
Ion Ratio Lower Upper

98 100

100 64.6 51.2 76.8

Manual Integrations
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#64

Chlorobenzene

Concen: 18.869 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN050127.D

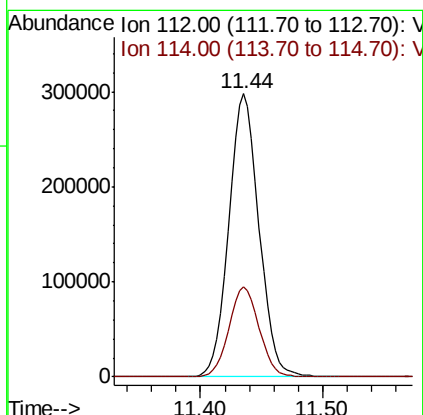
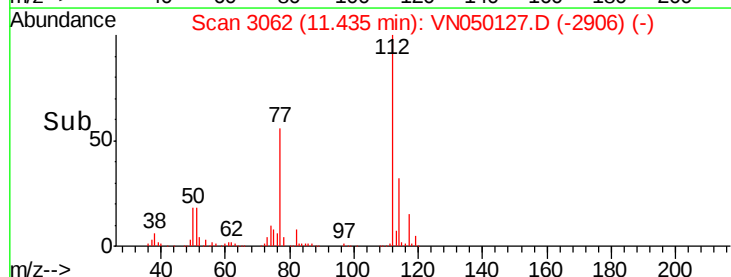
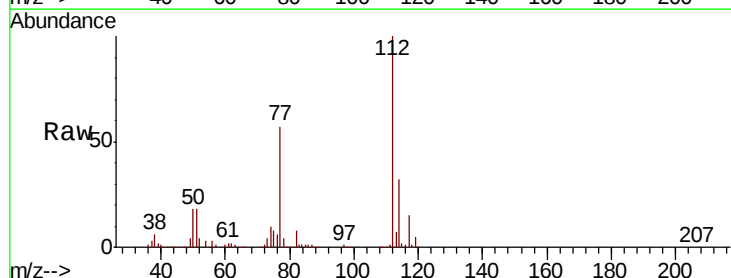
Acq: 27 Jul 2018 12:48

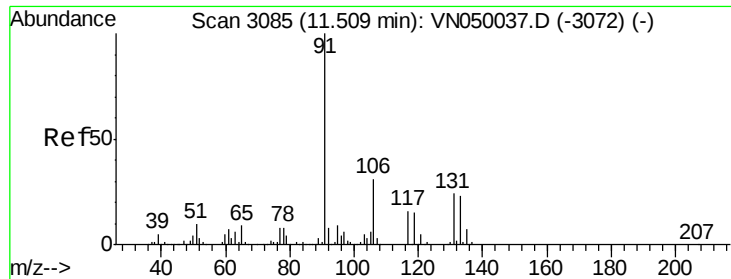
Tgt Ion: 112 Resp: 512632

Ion Ratio Lower Upper

112 100

114 31.8 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 18.497 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN050127.D

Acq: 27 Jul 2018 12:48

Instrument :

MSVOA_N

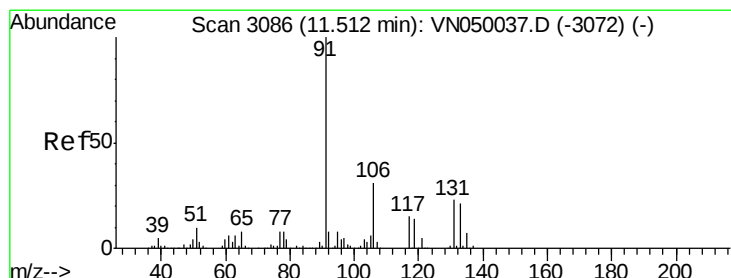
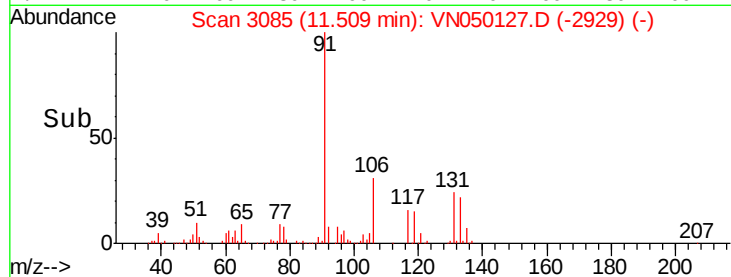
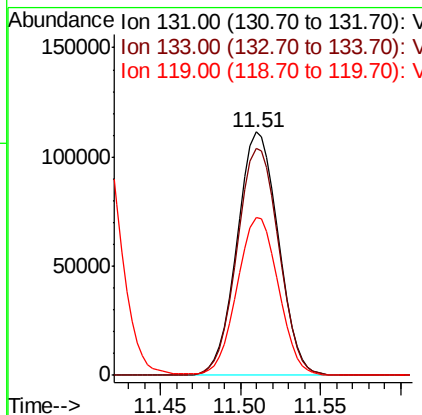
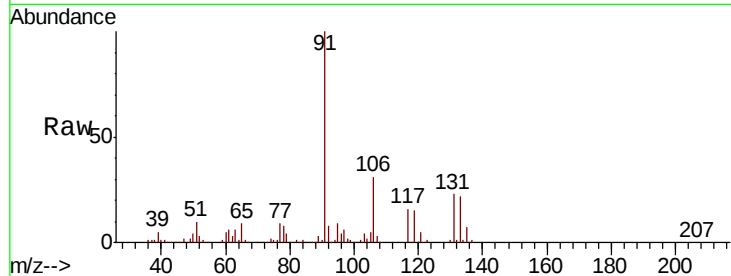
ClientSampleId :

VN0727WBS01

Tot Ion:	131	Resp:	196006
Ion Ratio	Lower	Upper	
131	100		
133	94.7	0.0	190.0
119	65.1	0.0	131.6

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#66

Ethyl Benzene

Concen: 18.929 ug/l

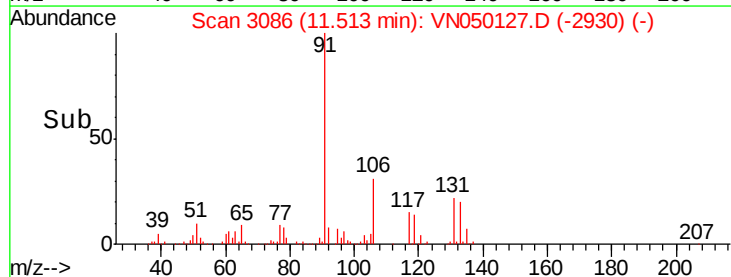
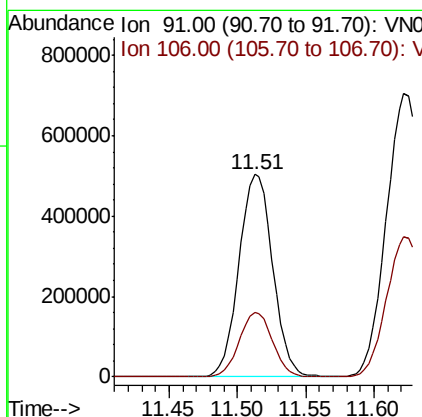
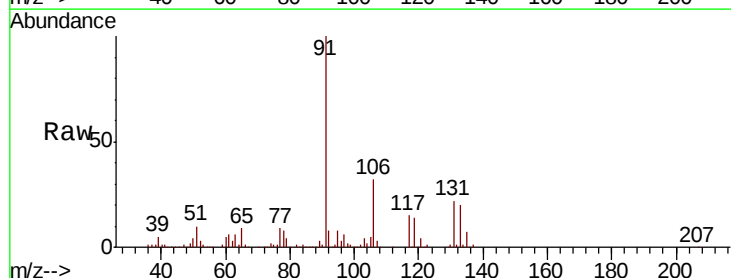
RT: 11.51 min Scan# 3086

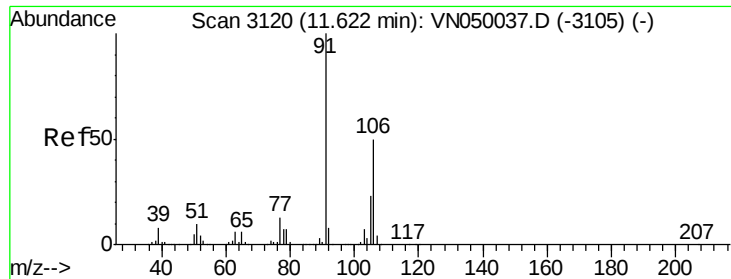
Delta R.T. 0.00 min

Lab File: VN050127.D

Acq: 27 Jul 2018 12:48

Tgt Ion:	91	Resp:	866674
Ion Ratio	Lower	Upper	
91	100		
106	31.6	25.1	37.7





#67

m/p-Xylenes

Concen: 38.029 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050127.D

Acq: 27 Jul 2018 12:48

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS01

Tot Ion:106 Resp: 670063

Ion Ratio Lower Upper

106 100

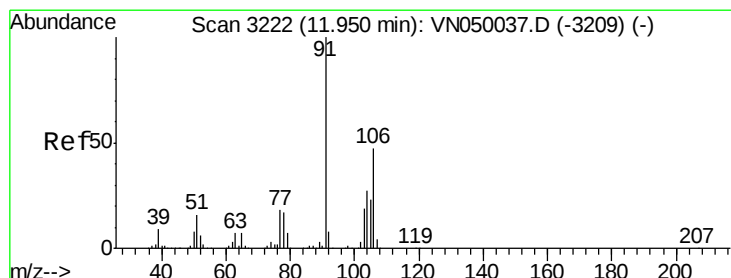
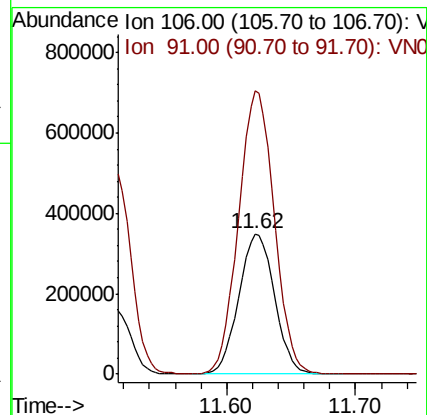
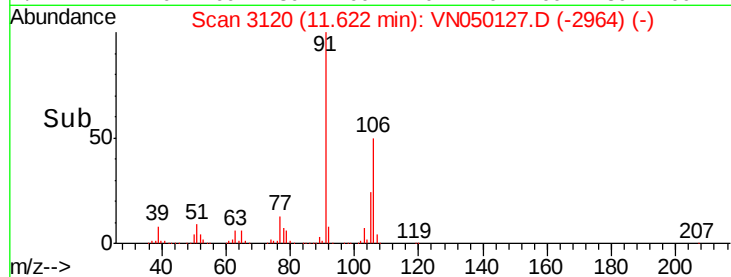
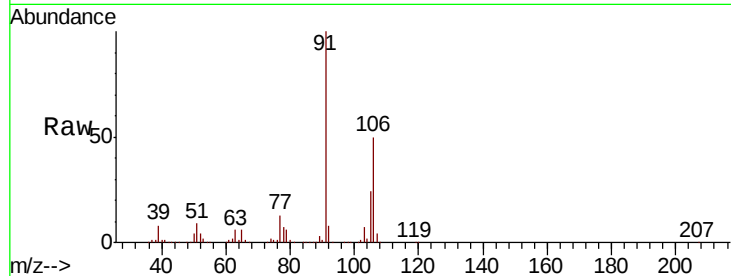
91 202.2 162.5 243.7

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#68

o-Xylene

Concen: 19.380 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN050127.D

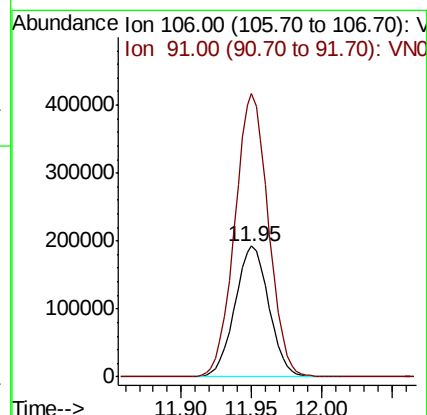
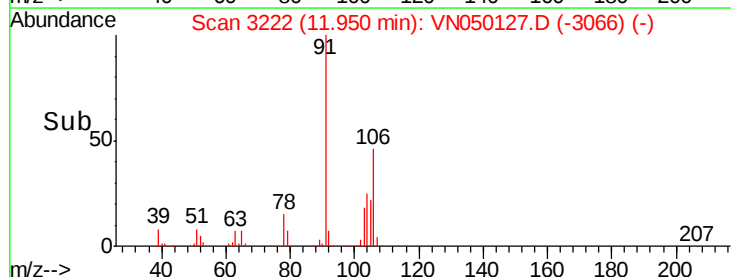
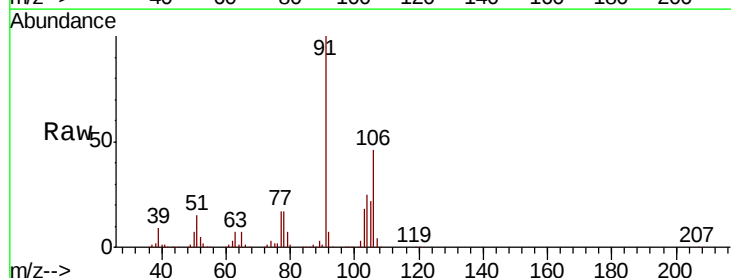
Acq: 27 Jul 2018 12:48

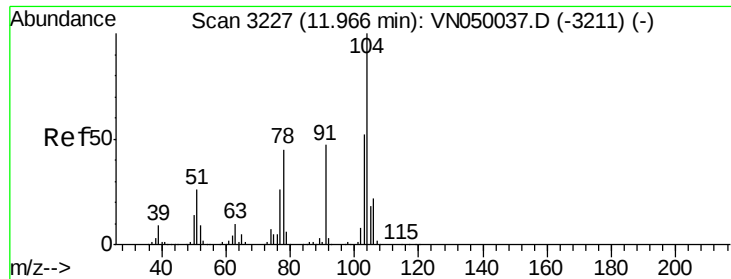
Tgt Ion:106 Resp: 324884

Ion Ratio Lower Upper

106 100

91 213.7 106.8 320.4





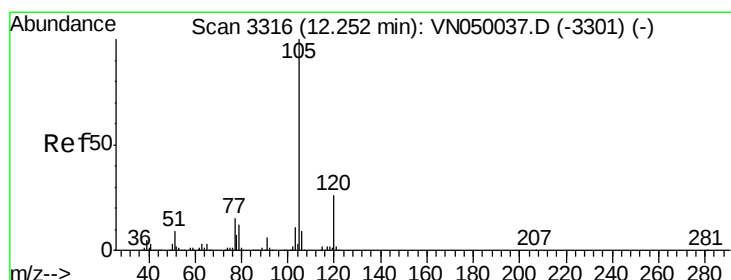
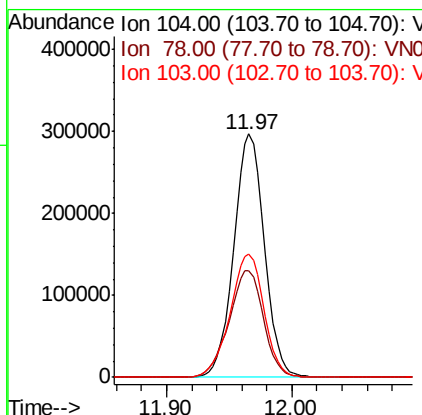
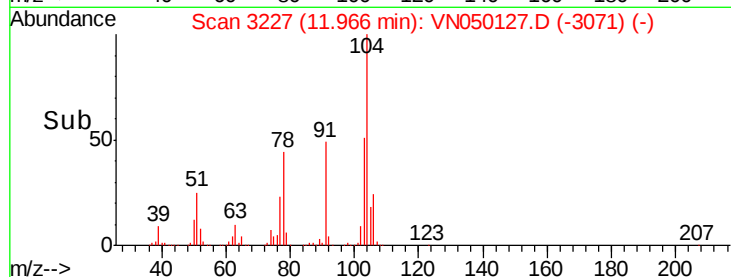
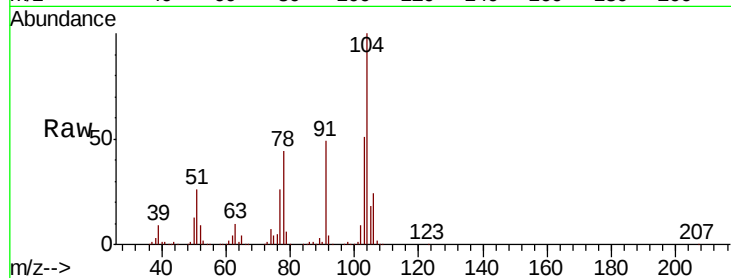
#69
Stvrene
Concen: 18.737 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050127.D
Acq: 27 Jul 2018 12:48

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.4	39.3	58.9
103	56.1	44.5	66.7

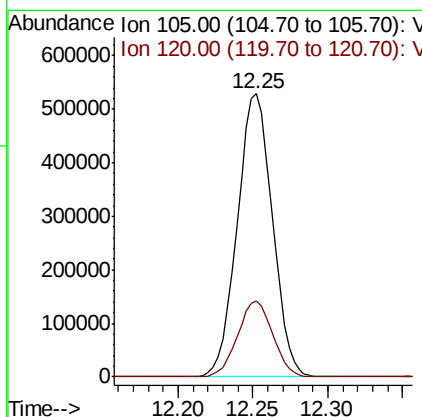
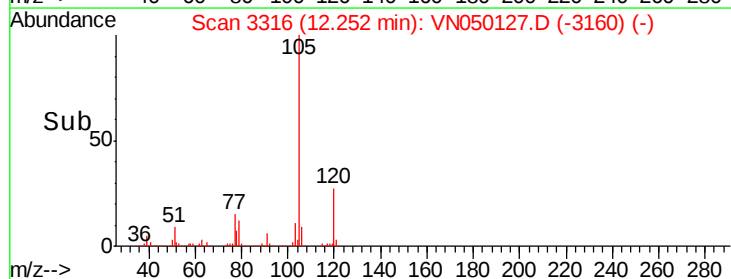
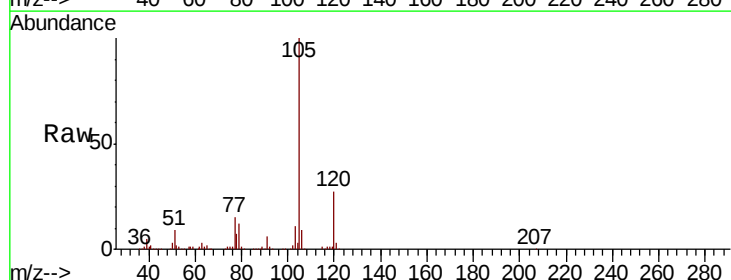
Manual Integrations
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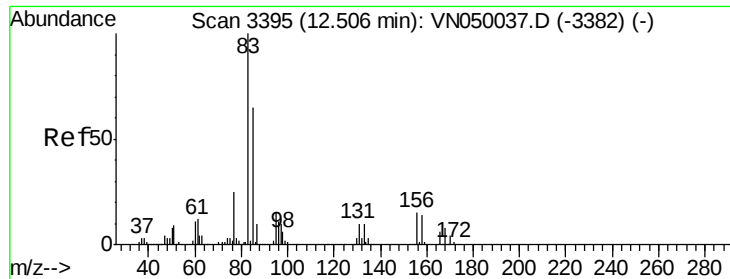
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#70
Isopropylbenzene
Concen: 19.417 ug/l
RT: 12.25 min Scan# 3316
Delta R.T. 0.00 min
Lab File: VN050127.D
Acq: 27 Jul 2018 12:48

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.6	18.9	35.1





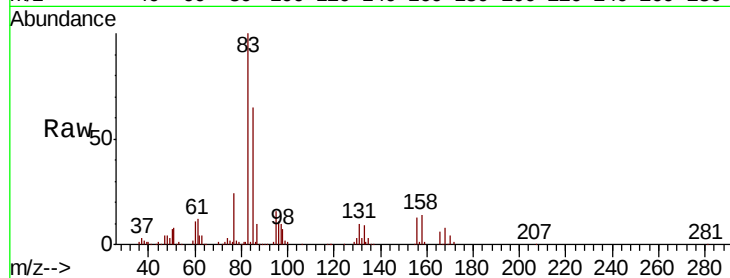
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.016 ug/l
 RT: 12.51 min Scan# 3395
 Delta R.T. 0.00 min
 Lab File: VN050127.D
 Acq: 27 Jul 2018 12:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS01

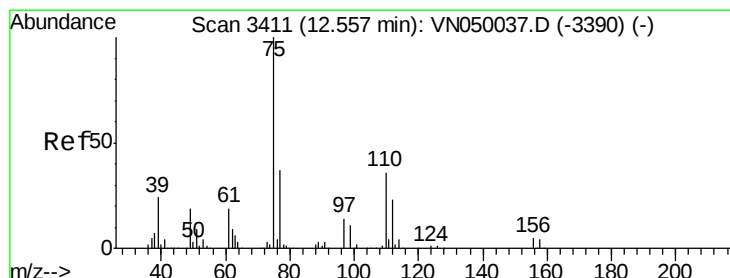
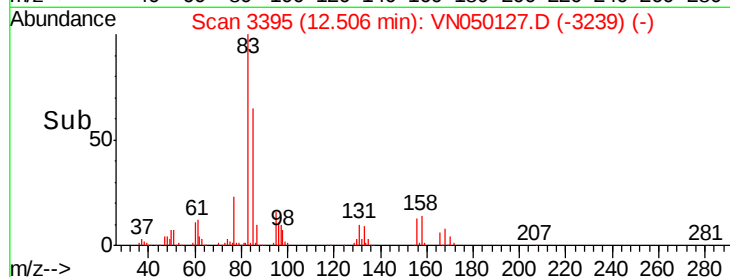
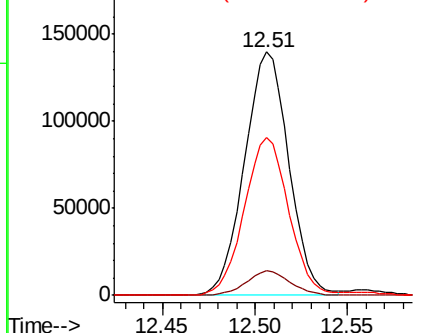
Tot Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.2	15.6
85	64.7	31.7	95.1

Manual Integrations
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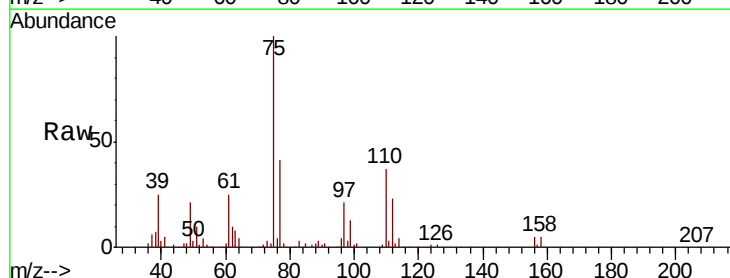


Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 131.00 (130.70 to 131.70): V
 Ion 85.00 (84.70 to 85.70): VN0

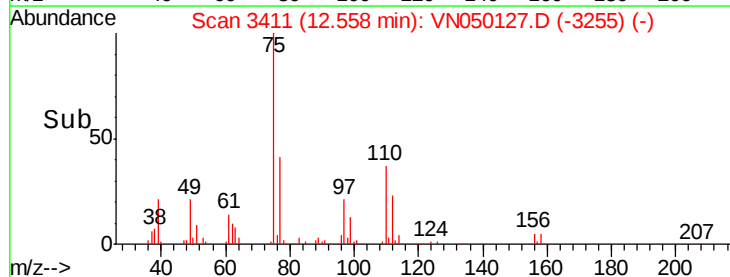
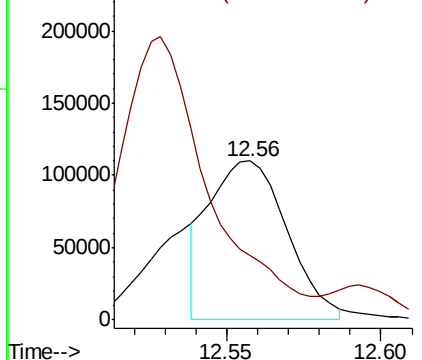


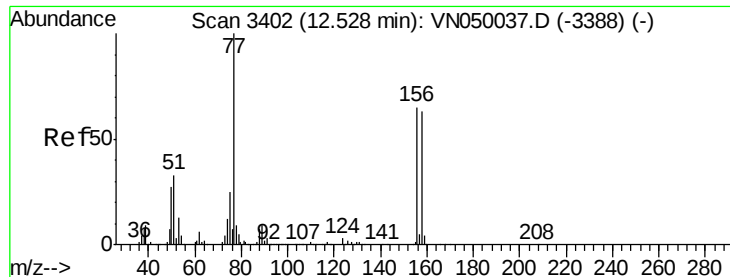
#72
 1,2,3-Trichloropropane
 Concen: 18.527 ug/l m
 RT: 12.56 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN050127.D
 Acq: 27 Jul 2018 12:48

Tgt Ion	Ratio	Lower	Upper
75	100		
77	207.5	0.0	454.4



Abundance Ion 75.00 (74.70 to 75.70): VN0
 Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 18.573 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050127.D

Acq: 27 Jul 2018 12:48

Instrument :

MSVOA_N

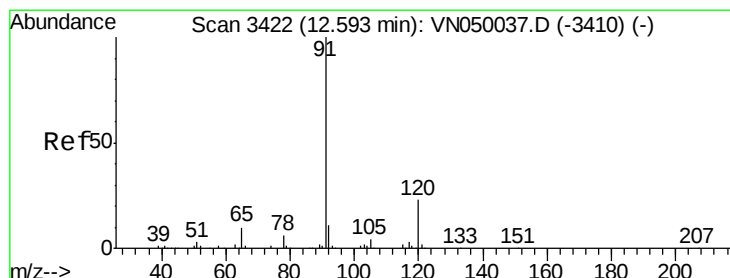
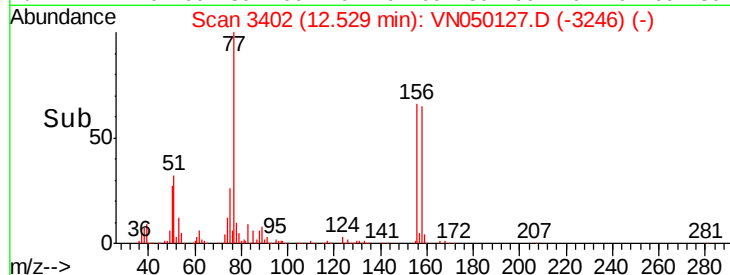
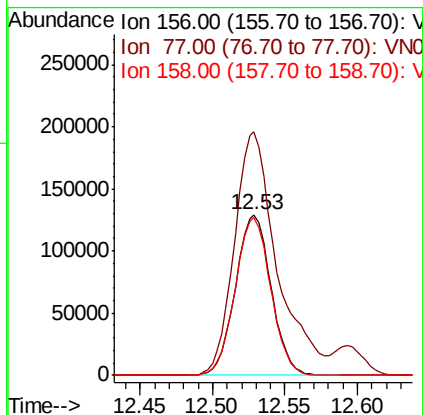
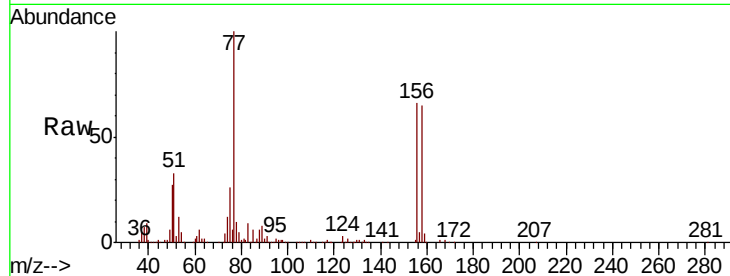
ClientSampled :

VN0727WBS01

Tot Ion:	156	Resp:	220896
Ion Ratio	Lower	Upper	
156	100		
77	182.2	0.0	359.8
158	97.7	0.0	192.8

Manual Integrations
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#74

n-propylbenzene

Concen: 18.513 ug/l

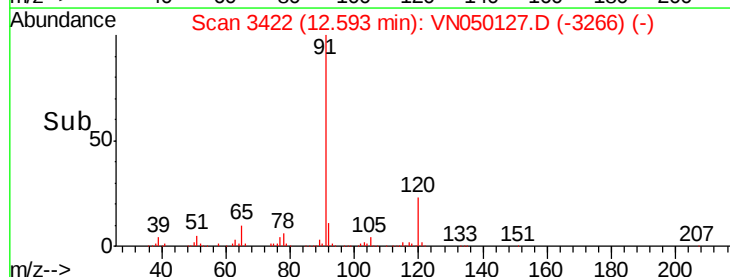
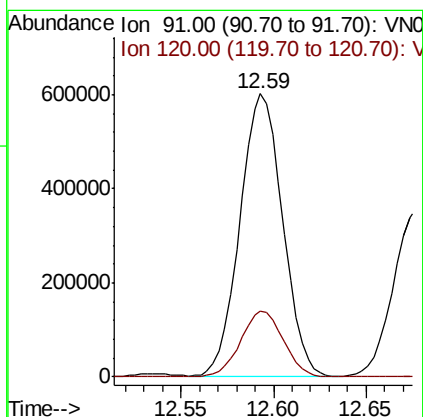
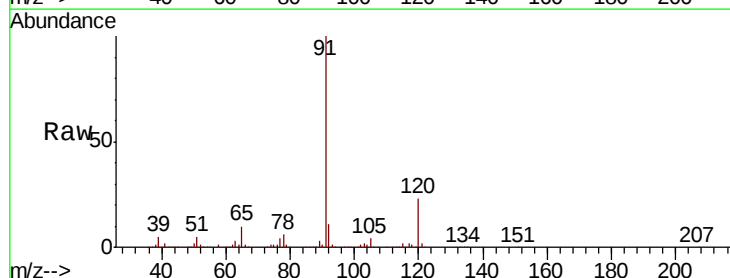
RT: 12.59 min Scan# 3422

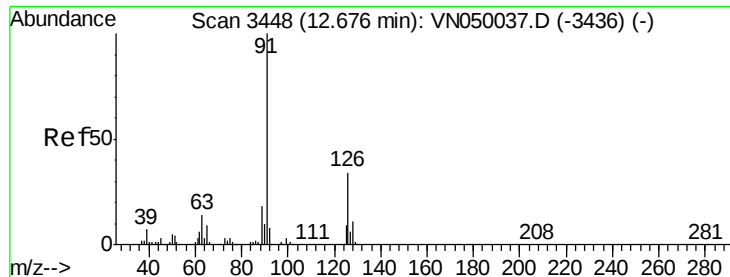
Delta R.T. 0.00 min

Lab File: VN050127.D

Acq: 27 Jul 2018 12:48

Tgt Ion:	91	Resp:	962661
Ion Ratio	Lower	Upper	
91	100		
120	23.1	0.0	46.4





#75

2-Chlorotoluene

Concen: 18.931 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050127.D

Acq: 27 Jul 2018 12:48

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS01

Tot Ion: 91 Resp: 591260

Ion Ratio Lower Upper

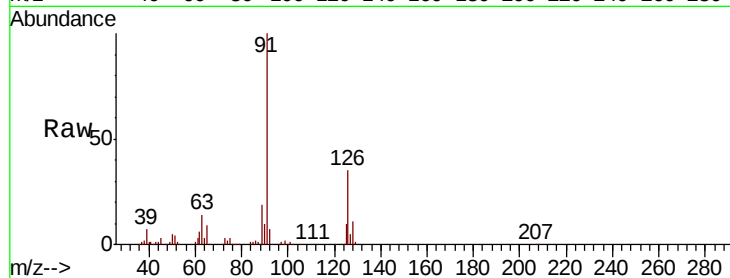
91 100

126 34.6 0.0 68.6

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Abundance Ion 91.00 (90.70 to 91.70): VN050127.D (-3292) (-)

Ion 126.00 (125.70 to 126.70): VN050127.D (-3292) (-)

600000

400000

200000

0

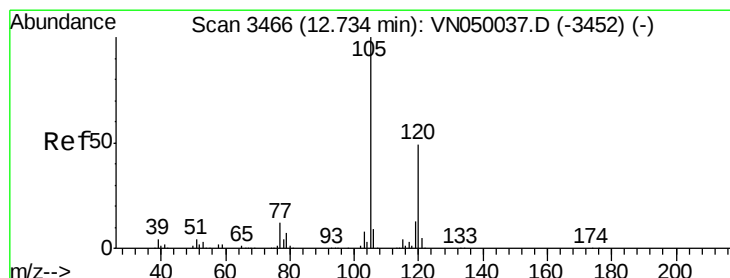
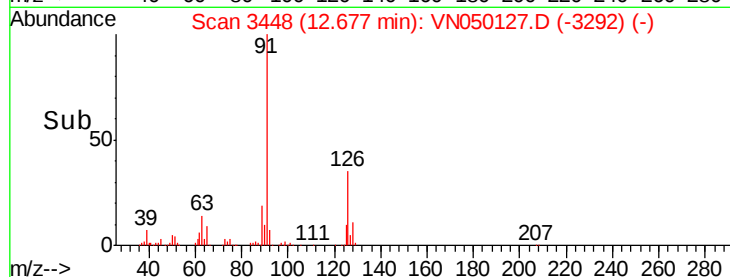
12.68

12.60

12.65

12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 19.025 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050127.D

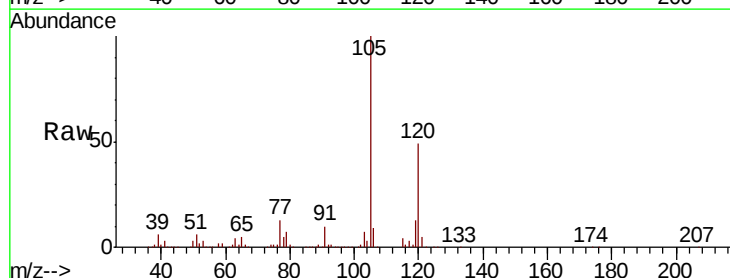
Acq: 27 Jul 2018 12:48

Tgt Ion: 105 Resp: 697651

Ion Ratio Lower Upper

105 100

120 49.5 0.0 98.0



Abundance Ion 105.00 (104.70 to 105.70): VN050127.D (-3310) (-)

Ion 120.00 (119.70 to 120.70): VN050127.D (-3310) (-)

500000

400000

300000

200000

100000

0

12.73

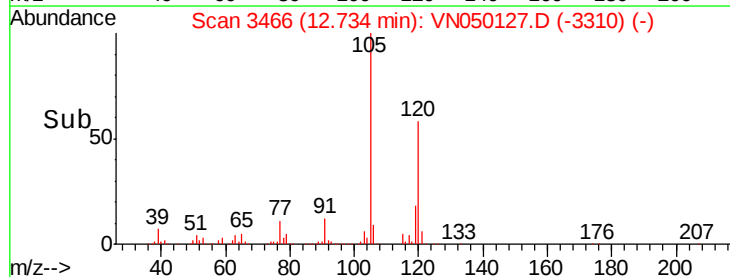
12.65

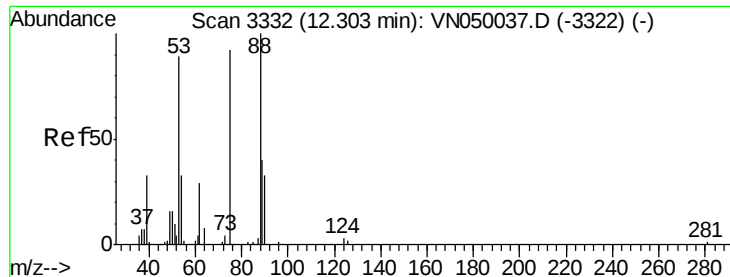
12.70

12.75

12.80

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 16.357 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050127.D

Acq: 27 Jul 2018 12:48

Instrument :

MSVOA_N

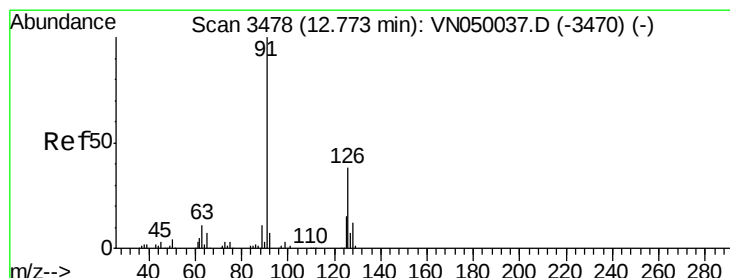
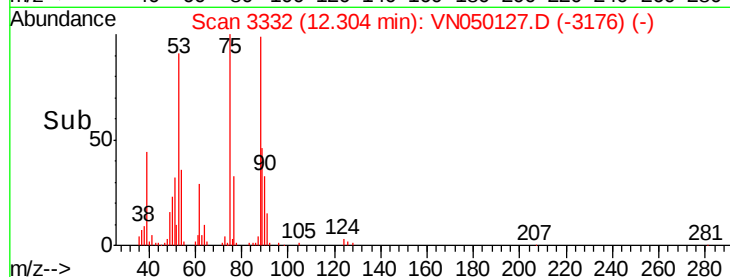
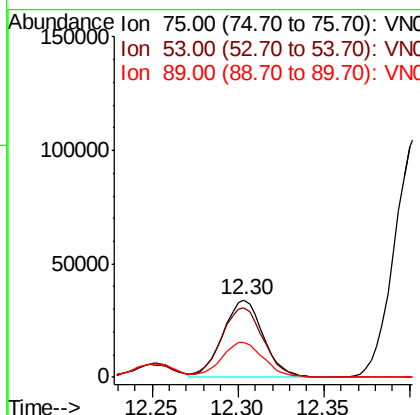
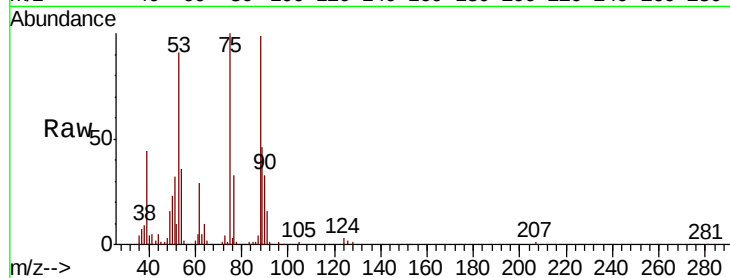
ClientSampleId :

VN0727WBS01

Tot Ion:	75	Resp:	55991
Ion	Ratio	Lower	Upper
75	100		
53	90.6	44.6	134.0
89	46.1	20.7	62.1

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#78

4-Chlorotoluene

Concen: 18.291 ug/l

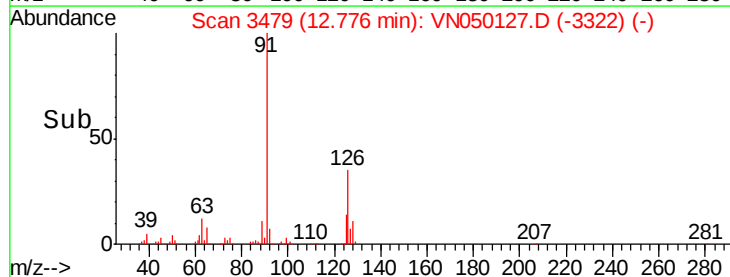
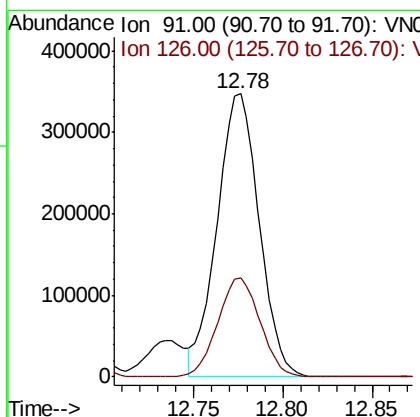
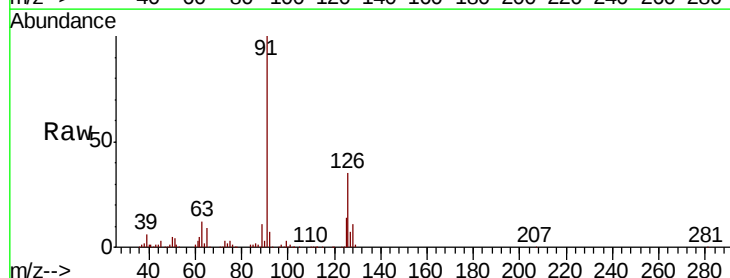
RT: 12.78 min Scan# 3479

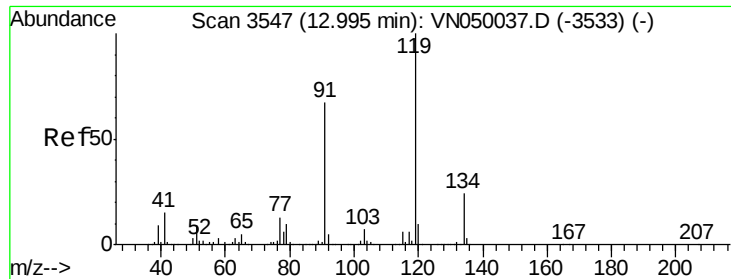
Delta R.T. 0.00 min

Lab File: VN050127.D

Acq: 27 Jul 2018 12:48

Tgt Ion:	91	Resp:	566111
Ion	Ratio	Lower	Upper
91	100		
126	35.2	0.0	68.4





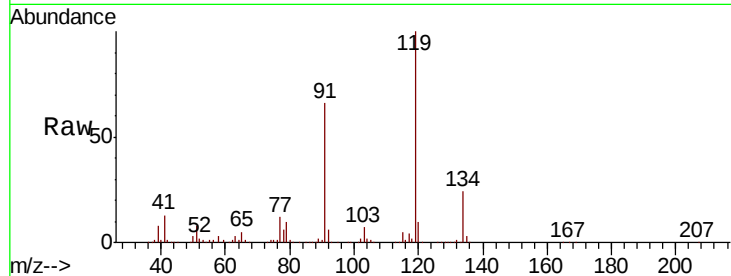
#79
tert-butylbenzene
Concen: 19.508 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. 0.00 min
Lab File: VN050127.D
Acq: 27 Jul 2018 12:48

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS01

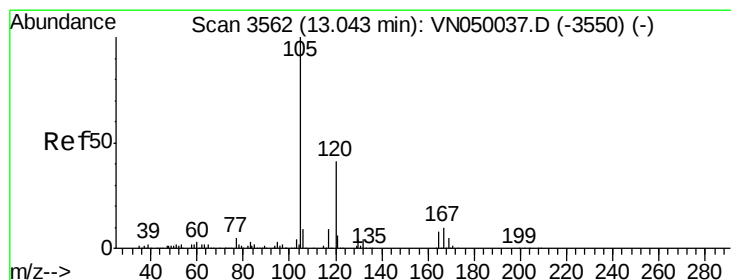
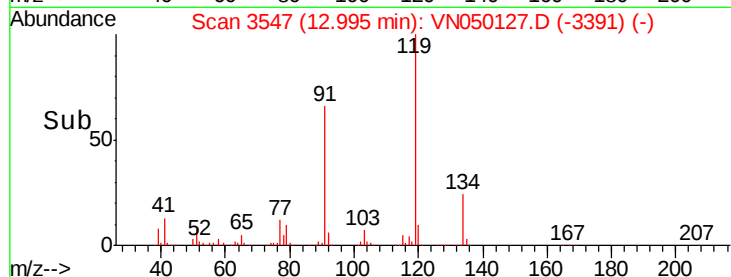
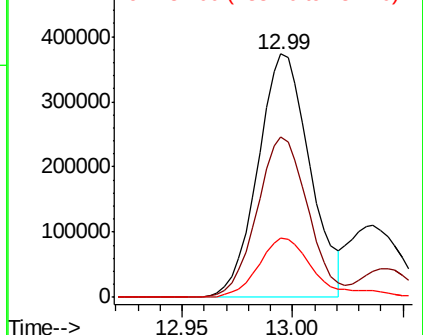
Tot Ion	Ratio	Resp	Lower	Upper
119	100	611605		
91	64.4	0.0	126.8	
134	26.6	0.0	47.4	

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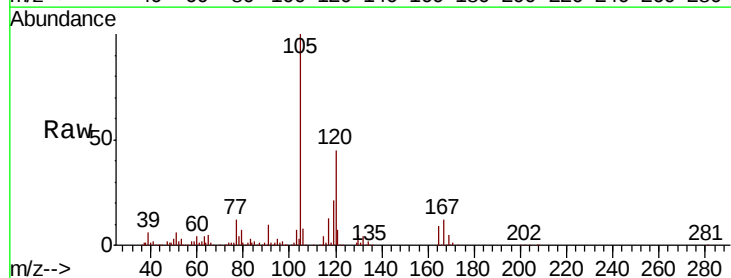


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

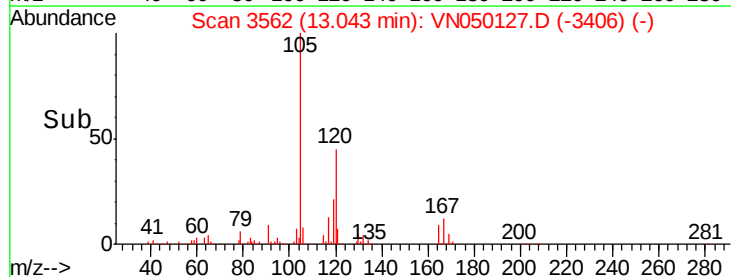
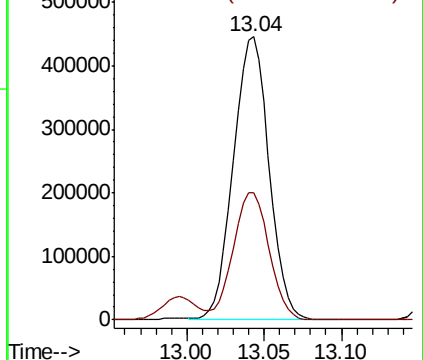


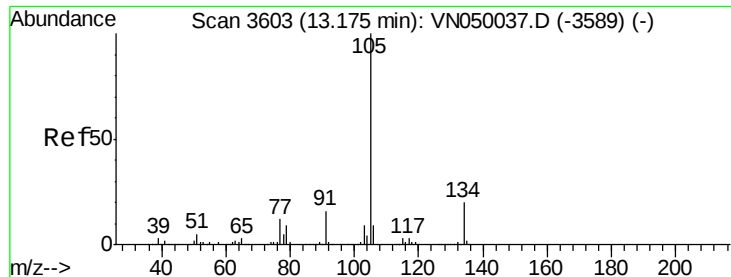
#80
1,2,4-Trimethylbenzene
Concen: 19.182 ug/l
RT: 13.04 min Scan# 3562
Delta R.T. 0.00 min
Lab File: VN050127.D
Acq: 27 Jul 2018 12:48

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	712670		
120	45.3	0.0	90.6	



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





#81

sec-Butylbenzene

Concen: 18.906 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050127.D

Acq: 27 Jul 2018 12:48

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS01

Tot Ion:105 Resp: 805195

Ion Ratio Lower Upper

105 100

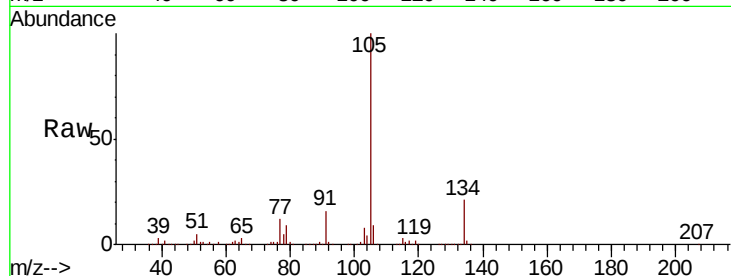
134 20.2 0.0 40.6

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

600000

500000

400000

300000

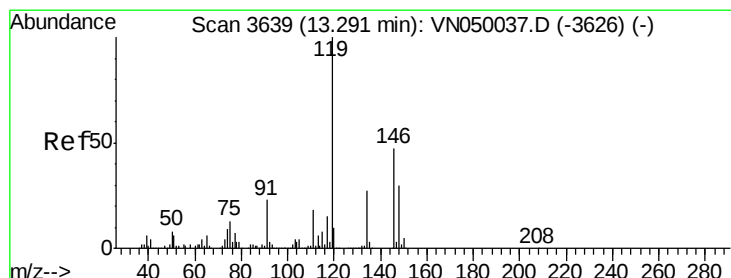
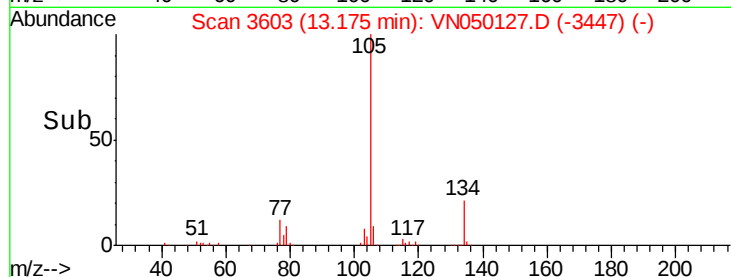
200000

100000

0

13.10 13.15 13.20 13.25

Time-->



#82

p-Isopropyltoluene

Concen: 19.077 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050127.D

Acq: 27 Jul 2018 12:48

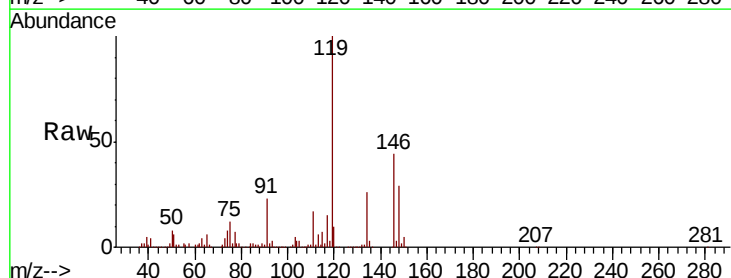
Tgt Ion:119 Resp: 693265

Ion Ratio Lower Upper

119 100

134 26.5 0.0 52.2

91 22.8 0.0 45.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

600000

500000

400000

300000

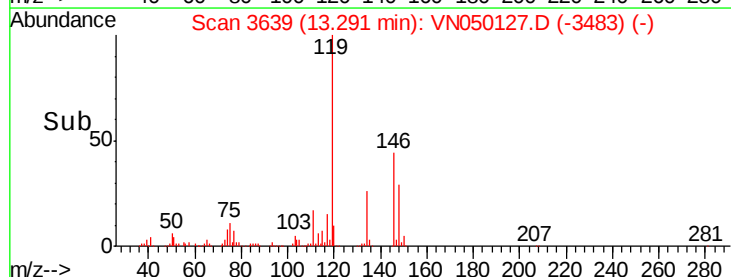
200000

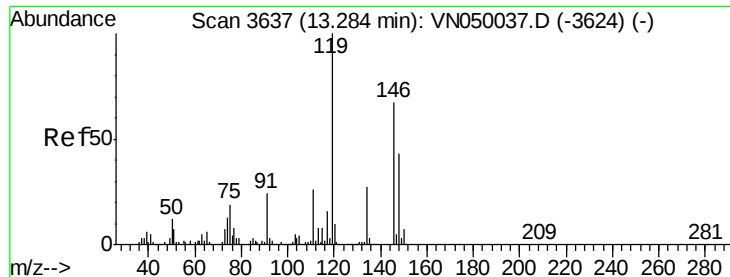
100000

0

13.25 13.30 13.35

Time-->





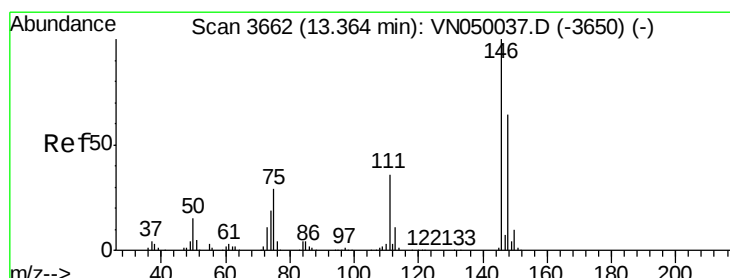
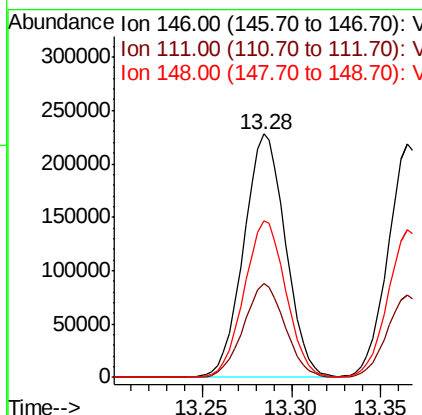
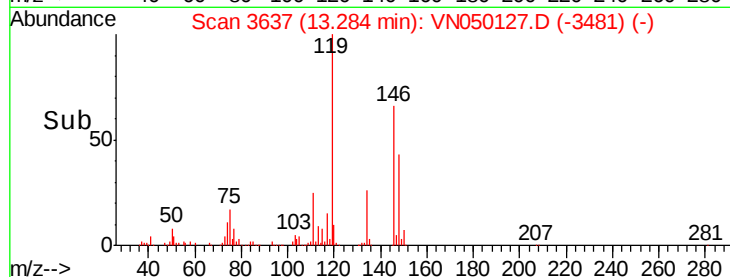
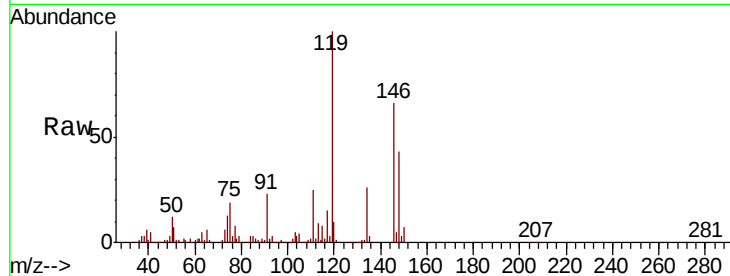
#83
1,3-Dichlorobenzene
Concen: 18.083 ug/l
RT: 13.28 min Scan# 3637
Delta R.T. 0.00 min
Lab File: VN050127.D
Acq: 27 Jul 2018 12:48

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.1	57.1
148	64.1	31.9	95.9

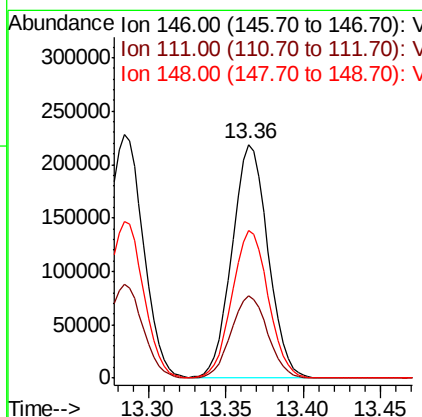
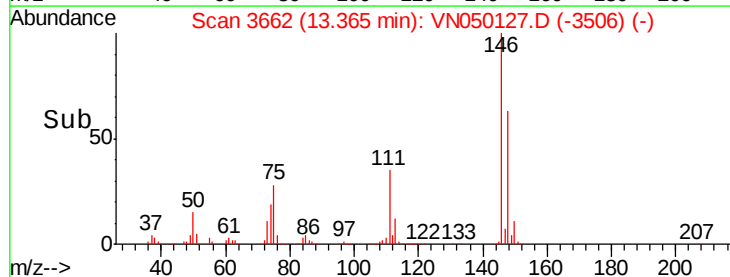
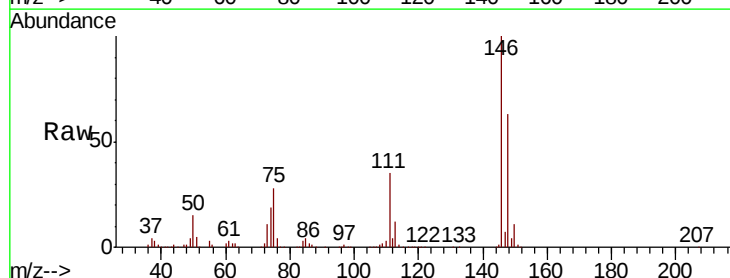
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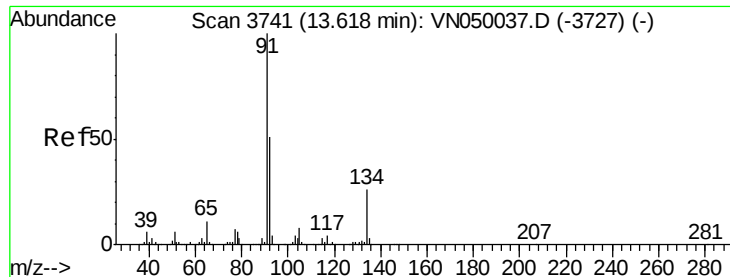
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#84
1,4-Dichlorobenzene
Concen: 18.075 ug/l
RT: 13.36 min Scan# 3662
Delta R.T. 0.00 min
Lab File: VN050127.D
Acq: 27 Jul 2018 12:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.8	17.9	53.8
148	63.5	32.4	97.0





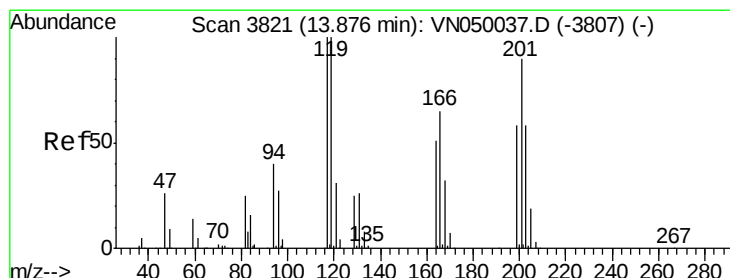
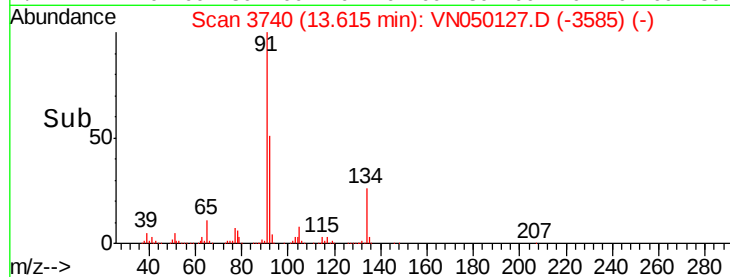
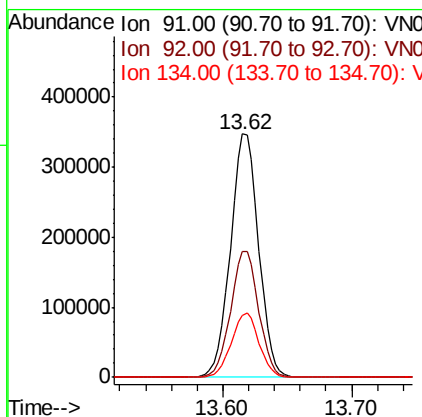
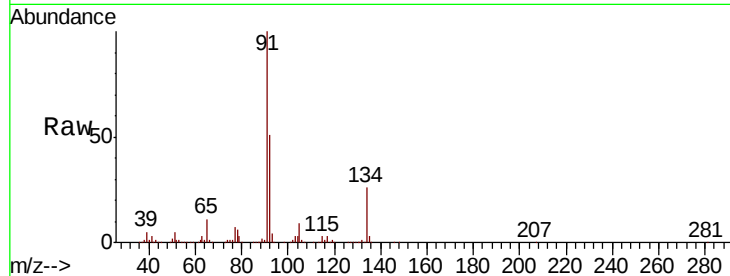
#85
n-Butylbenzene
Concen: 17.818 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050127.D
Acq: 27 Jul 2018 12:48

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	0.0	102.8
134	26.0	0.0	51.0

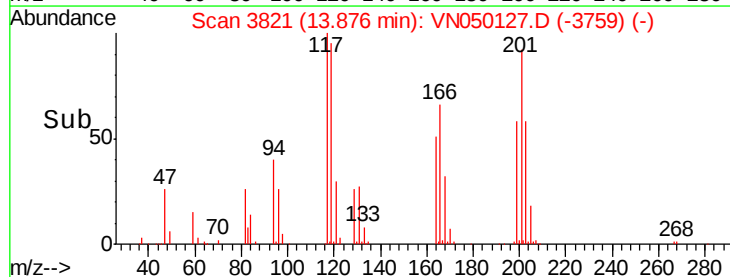
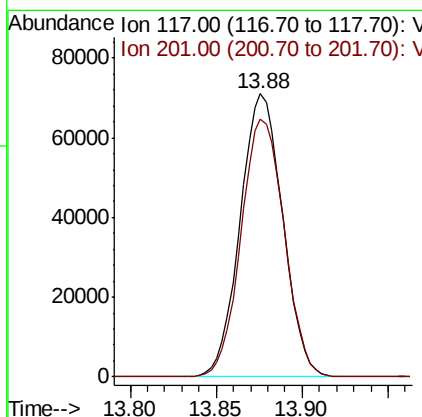
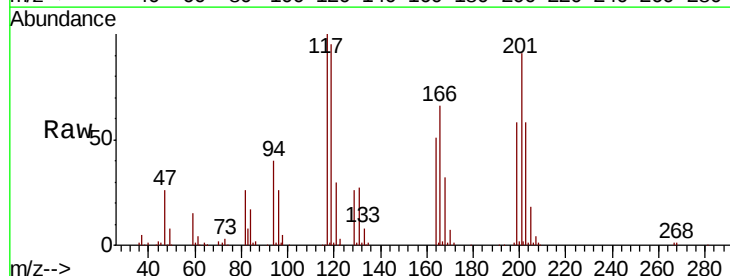
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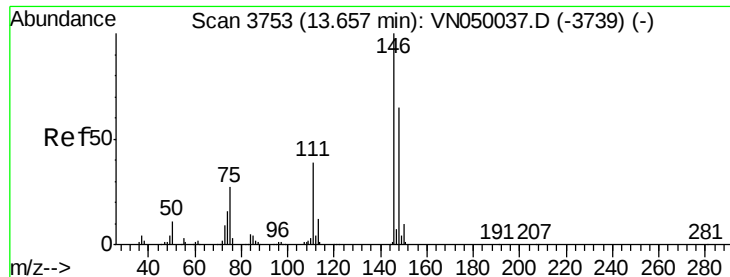
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#86
Hexachloroethane
Concen: 16.809 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050127.D
Acq: 27 Jul 2018 12:48

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.0	46.6	139.7





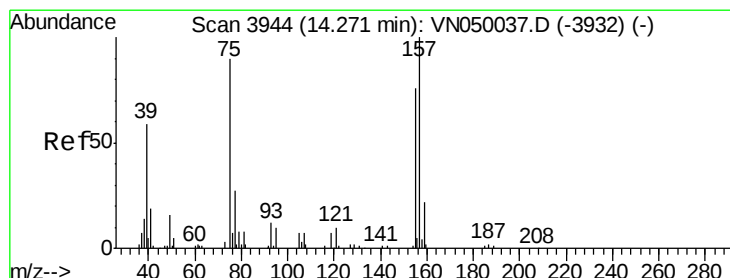
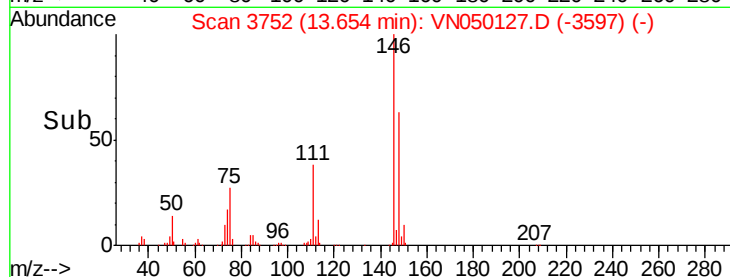
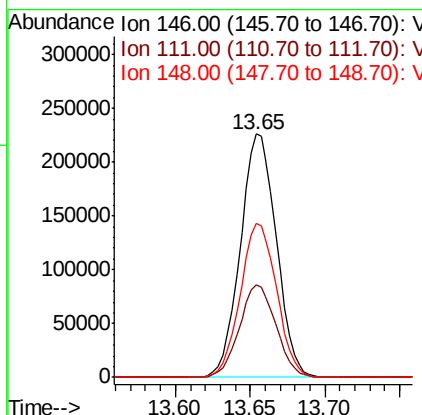
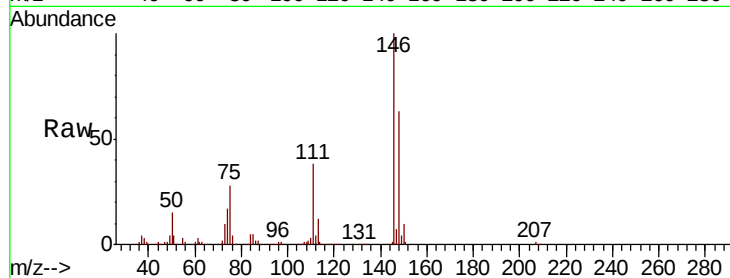
#87
 1,2-Dichlorobenzene
 Concen: 18.692 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050127.D
 Acq: 27 Jul 2018 12:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.8	59.3
148	63.9	31.8	95.3

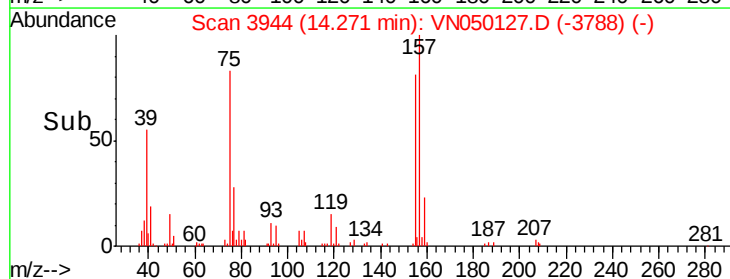
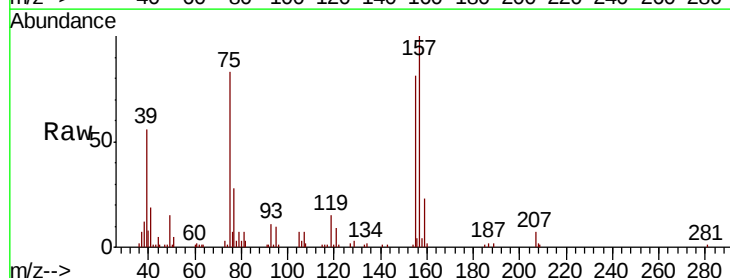
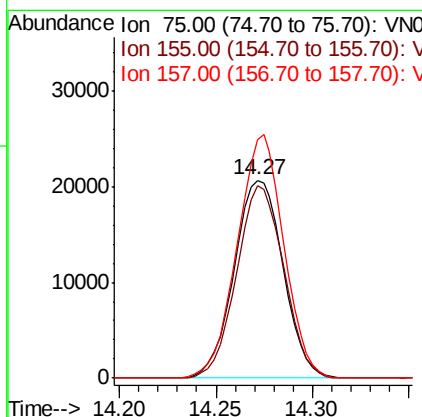
Manual Integrations
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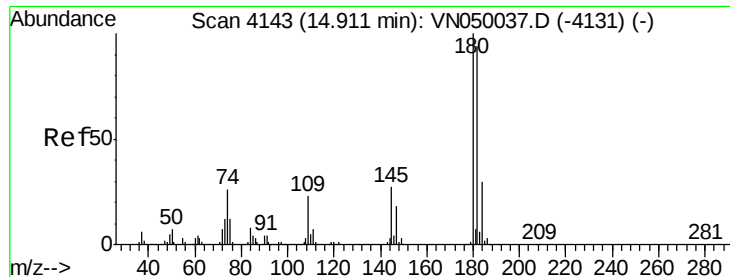
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.032 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050127.D
 Acq: 27 Jul 2018 12:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.7	73.0	109.6
157	116.9	94.9	142.3





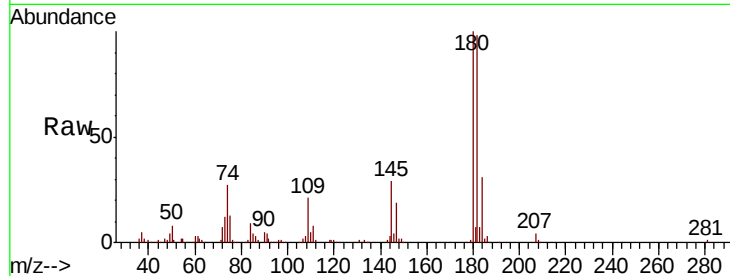
#89
 1,2,4-Trichlorobenzene
 Concen: 17.224 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050127.D
 Acq: 27 Jul 2018 12:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	166533		
182	96.1	76.7	115.1	
145	28.4	23.4	35.0	

Manual Integrations
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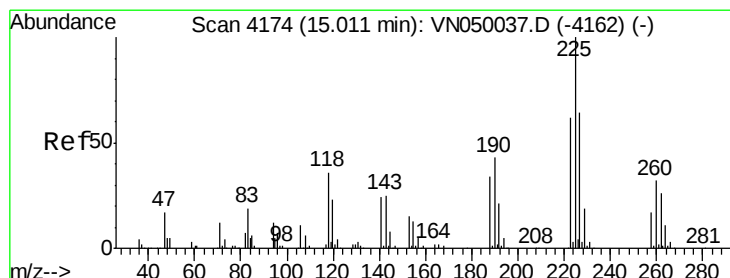
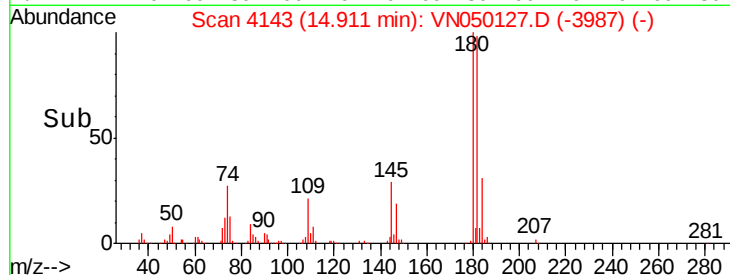
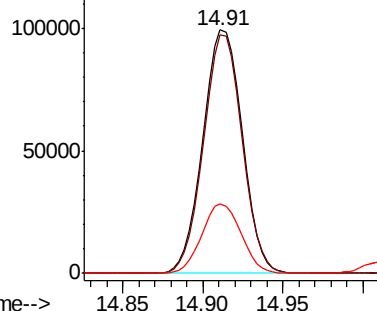


Abundance

Ion 180.00 (179.70 to 180.70): V

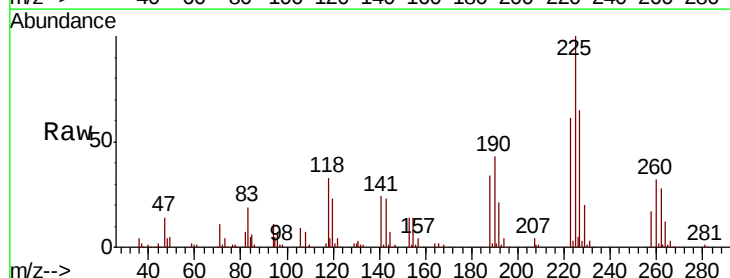
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
 Hexachlorobutadiene
 Concen: 18.389 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050127.D
 Acq: 27 Jul 2018 12:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	117227		
223	61.4	0.0	124.4	
227	64.7	0.0	133.0	

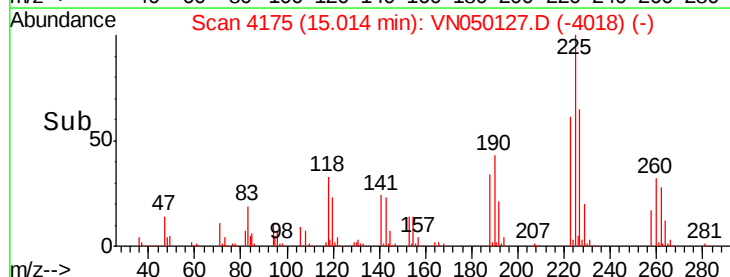
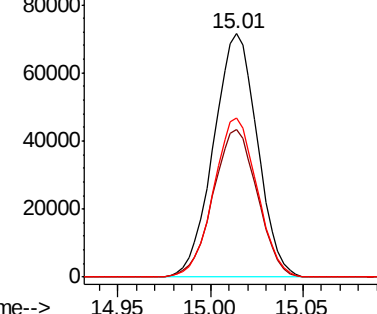


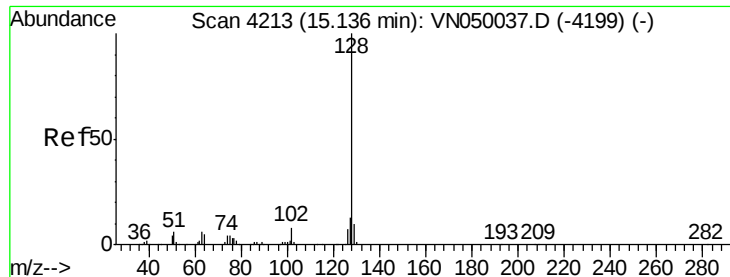
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





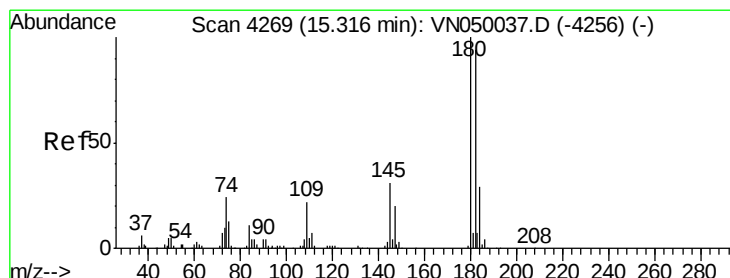
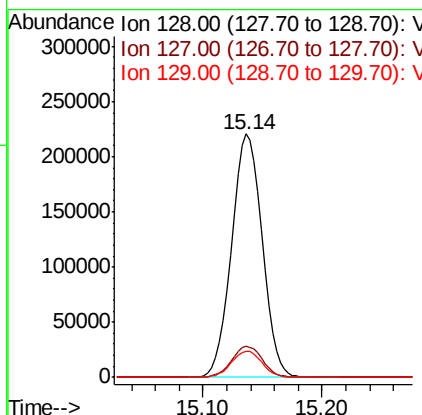
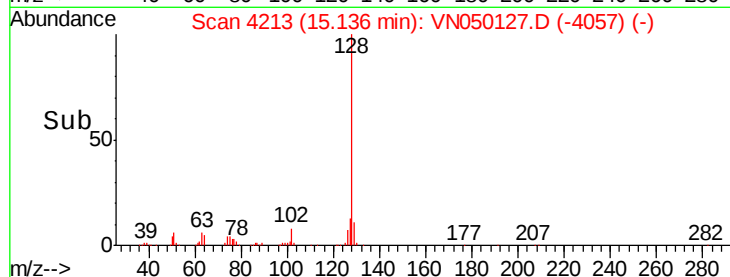
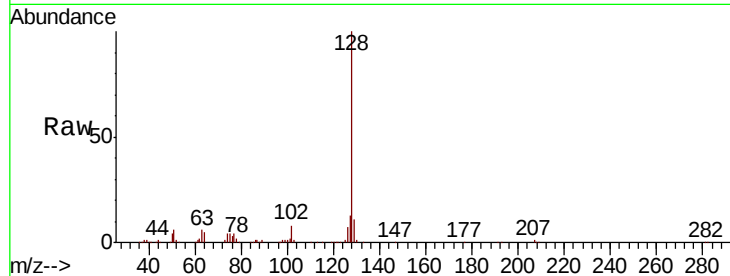
#91
Naphthalene
Concen: 20.633 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050127.D
Acq: 27 Jul 2018 12:48

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100				
127	12.8		10.2	15.4	
129	10.8		9.0	13.4	

Manual Integrations
APPROVED

MMDadoda
7/30/2018 1:37:16 PM



#92
1,2,3-Trichlorobenzene
Concen: 18.256 ug/l
RT: 15.32 min Scan# 4270
Delta R.T. 0.00 min
Lab File: VN050127.D
Acq: 27 Jul 2018 12:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100				
182	93.7		0.0	188.8	
145	30.0		0.0	60.8	

