

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092118\
 Data File : VN051363.D
 Acq On : 21 Sep 2018 12:19
 Operator : MD\SY
 Sample : VN0921WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0921WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/25/2018 10:53:33 AM

Quant Time: Sep 22 07:02:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:38:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	123659	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	667918	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	564847	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	221148	28.02	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	93.40%
60) 4-Bromofluorobenzene	12.40	95	243104	28.94	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.47%
63) Toluene-d8	10.09	98	818310	31.07	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.57%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	114621	14.926	ug/l 99
3) Chloromethane	2.06	50	134452	14.827	ug/l 99
4) Vinyl Chloride	2.18	62	150109	16.754	ug/l 95
5) Bromomethane	2.57	94	89794	16.442	ug/l 100
6) Chloroethane	2.71	64	93813	17.751	ug/l 97
7) Trichlorofluoromethane	3.02	101	216182	18.200	ug/l 96
8) Diethyl Ether	3.41	74	69717	16.647	ug/l 90
9) 1,1,2-Trichlorotrifluoroet	3.76	101	132481	18.011	ug/l 95
10) 1,1-Dichloroethene	3.74	96	115514	17.288	ug/l 97
11) Methyl Iodide	3.95	142	157070	25.195	ug/l 99
12) Methyl Acetate	4.33	43	91297	11.816	ug/l 98
13) Acrolein	3.61	56	23249	135.889	ug/l 99
14) Acrylonitrile	4.99	53	182957	70.035	ug/l 97
15) Acetone	3.82	58	47215	70.630	ug/l 85
16) Carbon Disulfide	4.05	76	327545	16.303	ug/l 99
17) Allyl chloride	4.33	41	160597	15.275	ug/l 96
18) Methylene Chloride	4.55	84	137332	17.510	ug/l 97
19) trans-1,2-Dichloroethene	5.04	96	123968	17.413	ug/l 95
20) Diisopropyl ether	5.95	45	355951	16.310	ug/l 94
21) 1,1-Dichloroethane	5.85	63	226215	16.906	ug/l 98
22) cis-1,2-Dichloroethene	6.83	96	141469	17.592	ug/l 98
23) tert-Butyl Alcohol	4.79	59	35649	64.167	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	301789	16.513	ug/l 100
25) Chloroform	7.37	83	244096	18.277	ug/l 99
26) Cyclohexane	7.66	56	182461	16.459	ug/l # 97
29) 1,1-Dichloropropene	7.80	75	174527	17.454	ug/l 99
30) 2-Butanone	6.84	43	188372	61.237	ug/l # 96
31) 2,2-Dichloropropane	6.83	77	191553	19.687	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	212100	18.705	ug/l 97
33) Carbon Tetrachloride	7.78	117	194526	19.050	ug/l 97
34) Benzene	8.04	78	533182	17.236	ug/l 98
35) Methacrylonitrile	7.17	41	38850	11.528	ug/l 91
36) 1,2-Dichloroethane	8.13	62	163264	17.451	ug/l 98
37) Trichloroethene	8.84	130	149272	18.462	ug/l 95
38) Methylcyclohexane	9.08	83	197861	18.424	ug/l 97
39) 1,2-Dichloropropane	9.12	63	138719	17.170	ug/l 99
40) Dibromomethane	9.21	93	84091	17.279	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	184522	17.986	ug/l	97
42) Vinyl Acetate	5.90	43	1085115	76.584	ug/l	96
43) Ethyl Acetate	6.93	43	75829	12.033	ug/l	95
44) Isopropyl Acetate	8.17	43	161888	14.559	ug/l #	73
45) 1,4-Dioxane	9.20	88	22940	277.718	ug/l #	94
46) Methyl methacrylate	9.20	41	74150	13.315	ug/l	98
47) n-amyl Acetate	12.07	43	114829	12.844	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	168783	16.784	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	203700	17.633	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	126224	17.850	ug/l	95
51) Ethyl methacrylate	10.43	69	132376	15.300	ug/l	95
52) 1,3-Dichloropropane	10.71	76	198774	16.971	ug/l	100
53) Dibromochloromethane	10.90	129	145261	18.066	ug/l	99
54) 1,2-Dibromoethane	11.01	107	116343	16.639	ug/l	96
55) 2-Chloroethyl vinyl ether	9.70	63	311278	86.469	ug/l	97
56) Bromoform	12.12	173	98435	17.213	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	426517	65.996	ug/l	96
59) 2-Hexanone	10.75	43	266330	63.047	ug/l	98
61) Tetrachloroethene	10.63	164	141166	20.056	ug/l	98
62) Toluene	10.16	91	586482	18.611	ug/l	100
64) Chlorobenzene	11.43	112	366669	18.774	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	146220	19.829	ug/l	98
66) Ethyl Benzene	11.51	91	583620	17.880	ug/l	99
67) m/p-Xylenes	11.62	106	471357	37.531	ug/l	98
68) o-Xylene	11.95	106	228179	19.015	ug/l	96
69) Styrene	11.96	104	349812	18.334	ug/l	99
70) Isopropylbenzene	12.25	105	605624	18.992	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	139937	16.208	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	118199m	15.869	ug/l	
73) Bromobenzene	12.53	156	158929	18.943	ug/l	91
74) n-propylbenzene	12.59	91	651729	18.078	ug/l	97
75) 2-Chlorotoluene	12.67	91	402791	18.391	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	505570	19.401	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	34298	16.163	ug/l	94
78) 4-Chlorotoluene	12.77	91	388020	17.993	ug/l	97
79) tert-butylbenzene	12.99	119	447301	19.765	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	499767	19.236	ug/l	100
81) sec-Butylbenzene	13.17	105	581469	19.637	ug/l	99
82) p-Isopropyltoluene	13.29	119	510640	19.979	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	264390	18.639	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	247836	18.440	ug/l	99
85) n-Butylbenzene	13.61	91	363844	18.657	ug/l	98
86) Hexachloroethane	13.87	117	101797	20.751	ug/l	93
87) 1,2-Dichlorobenzene	13.65	146	263162	18.849	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	18240	15.101	ug/l	84
89) 1,2,4-Trichlorobenzene	14.91	180	108514	17.458	ug/l	99
90) Hexachlorobutadiene	15.01	225	102258	24.215	ug/l	99
91) Naphthalene	15.13	128	174128	17.540	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	114814	18.409	ug/l	100

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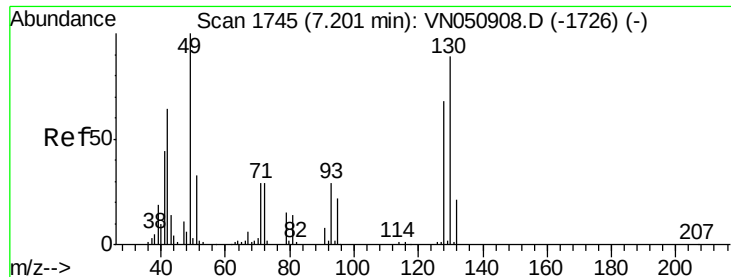
Manual Integrations
APPROVED

MMDadoda
9/25/2018 10:53:33 AM

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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# 1687

Delta R.T. -0.00 min

Lab File: VN051363.D

Acq: 21 Sep 2018 12:19

Instrument :

MSVOA_N

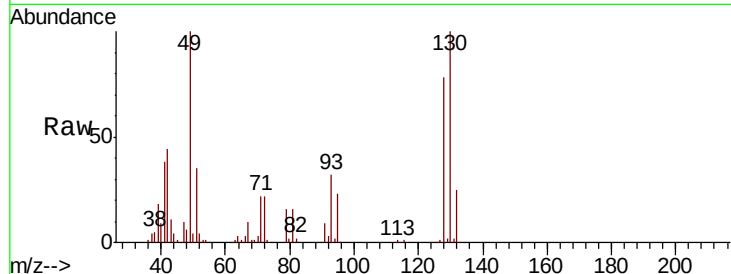
ClientSampleId :

VN0921WBSD01

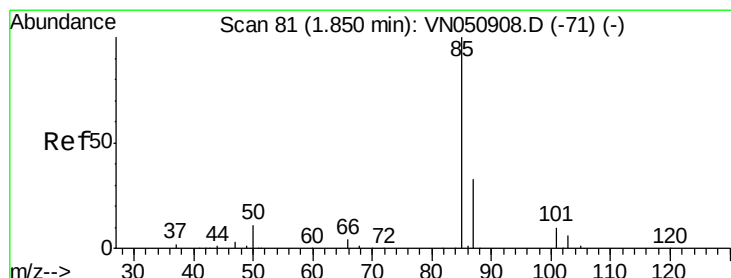
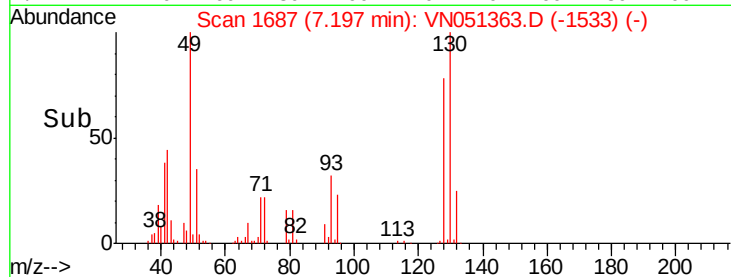
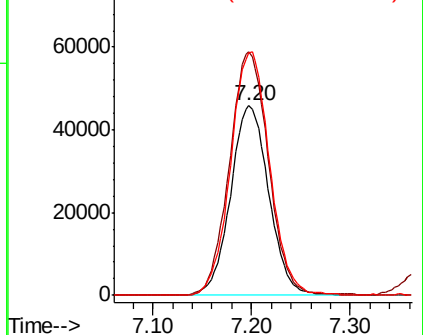
Tgt Ion:	128	Resp:	123659
Ion	Ratio	Lower	Upper
128	100		
49	131.1	0.0	380.3
130	130.2	0.0	325.3

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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 14.926 ug/l

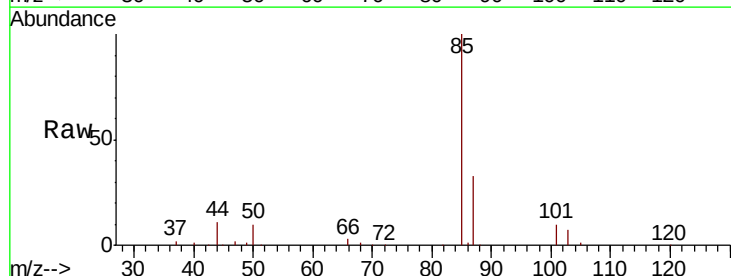
RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

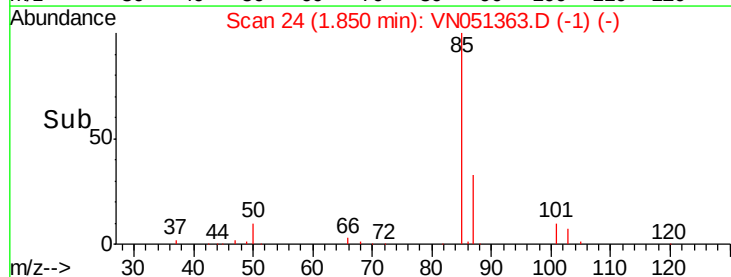
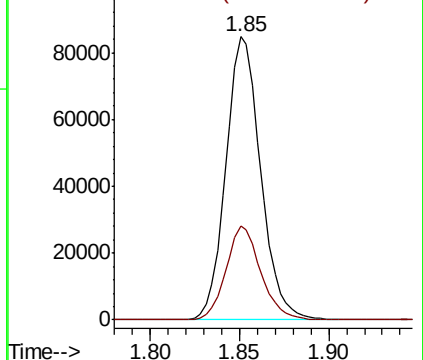
Lab File: VN051363.D

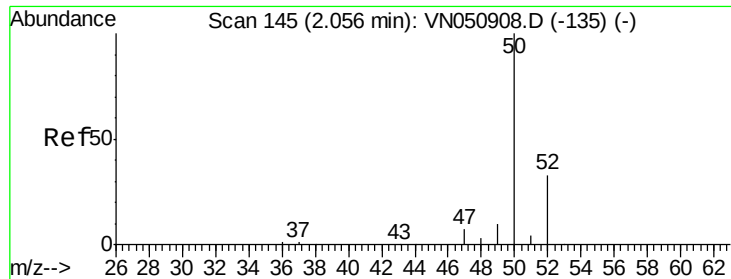
Acq: 21 Sep 2018 12:19

Tgt Ion:	85	Resp:	114621
Ion	Ratio	Lower	Upper
85	100		
87	33.1	16.4	49.1



Abundance Ion 85.00 (84.70 to 85.70): VN
Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 14.827 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051363.D

Acq: 21 Sep 2018 12:19

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBSD01

Tgt Ion: 50 Resp: 134452

Ion Ratio Lower Upper

50 100

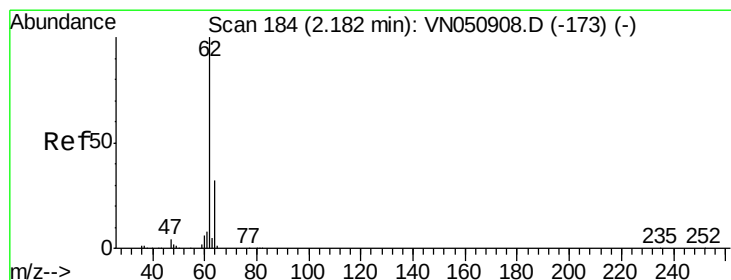
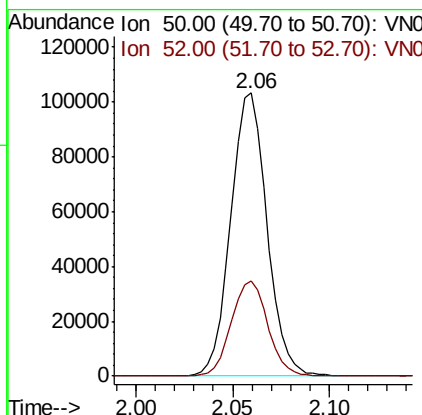
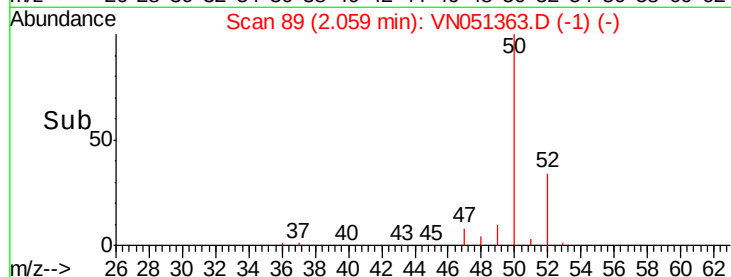
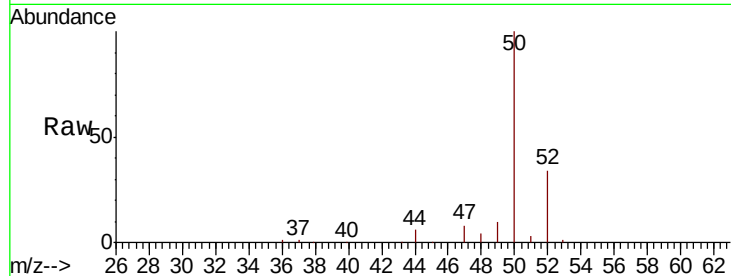
52 33.5 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 16.754 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051363.D

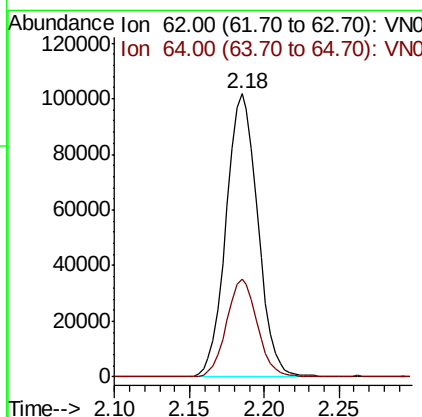
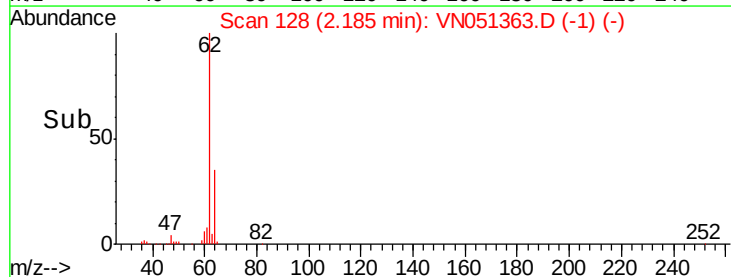
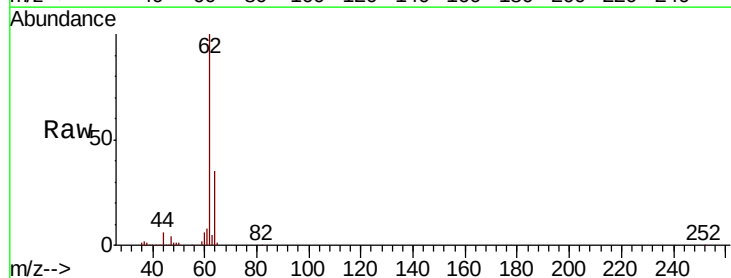
Acq: 21 Sep 2018 12:19

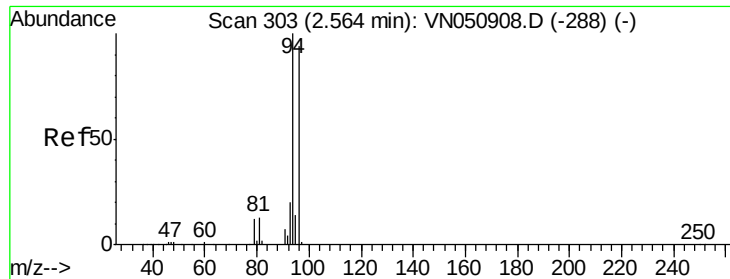
Tgt Ion: 62 Resp: 150109

Ion Ratio Lower Upper

62 100

64 34.7 25.4 38.0





#5

Bromomethane

Concen: 16.442 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN051363.D

Acq: 21 Sep 2018 12:19

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBSD01

Tgt Ion: 94 Resp: 89794

Ion Ratio Lower Upper

94 100

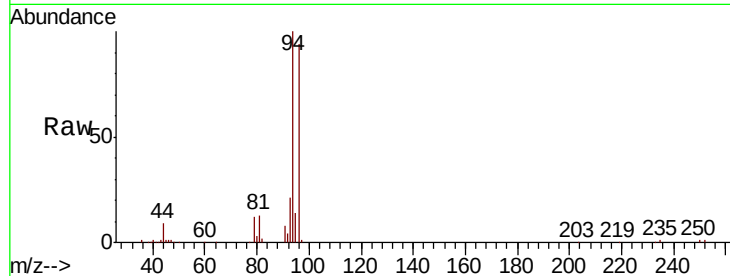
96 93.8 74.9 112.3

Manual Integrations

APPROVED

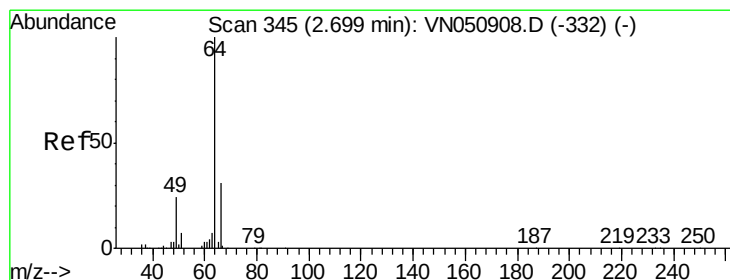
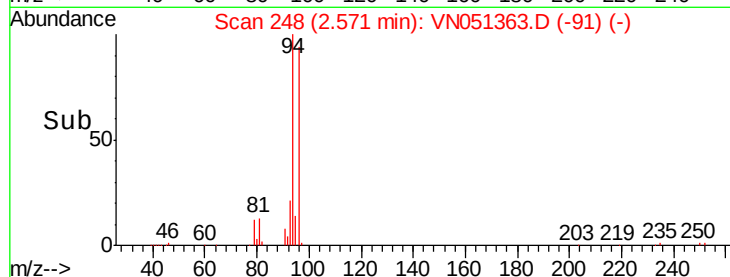
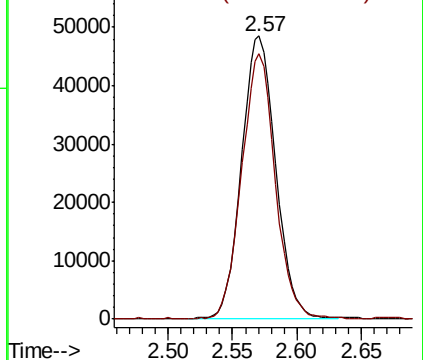
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 17.751 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.01 min

Lab File: VN051363.D

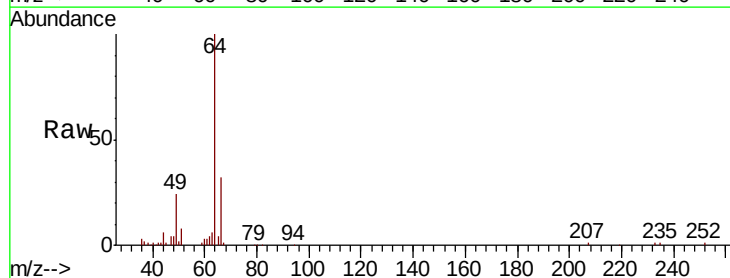
Acq: 21 Sep 2018 12:19

Tgt Ion: 64 Resp: 93813

Ion Ratio Lower Upper

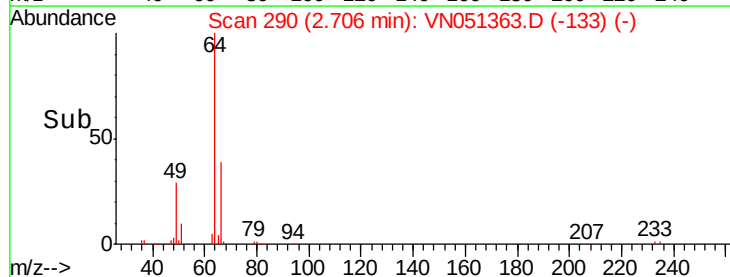
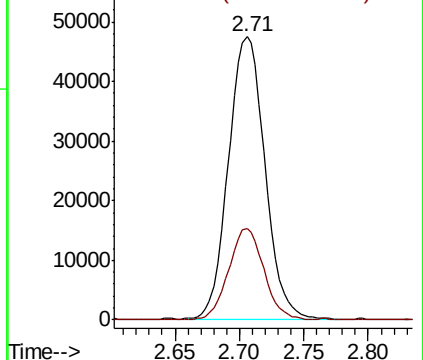
64 100

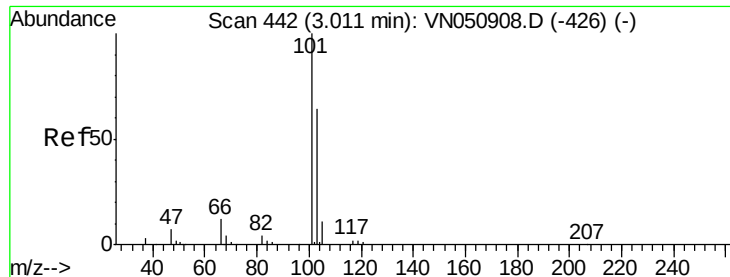
66 32.3 24.5 36.7



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

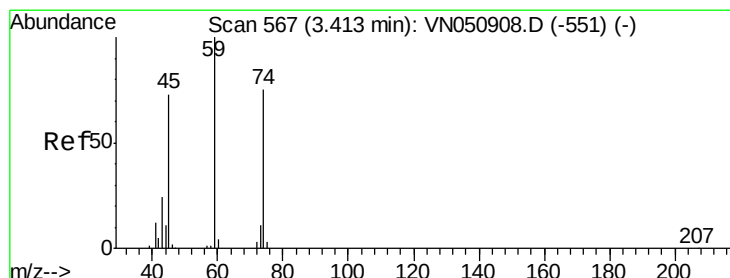
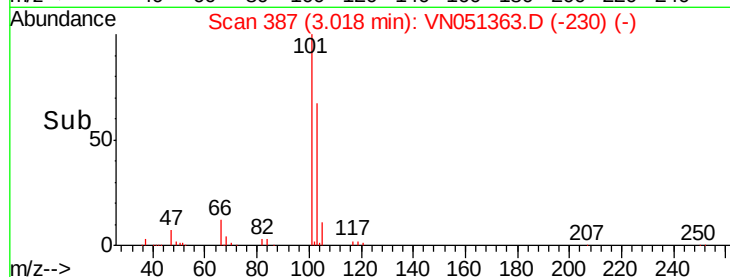
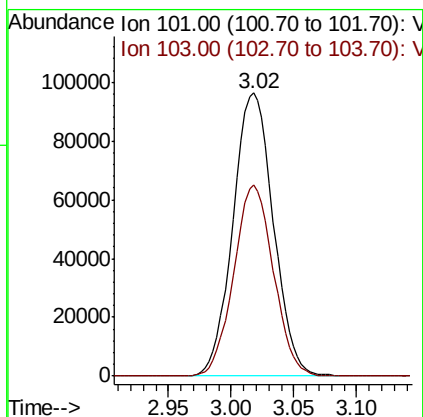
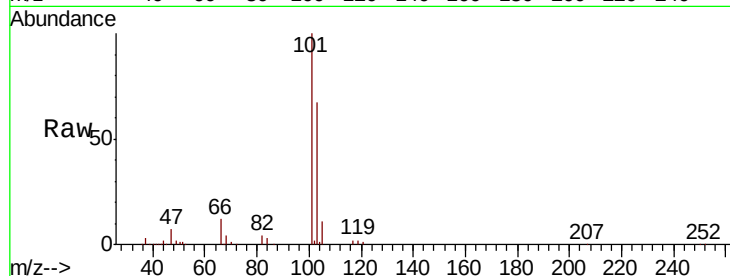
Trichlorofluoromethane
 Concen: 18.200 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.01 min
 Lab File: VN051363.D
 Acq: 21 Sep 2018 12:19

Instrument :
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 ClientSampled :
 VN0921WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	216182		
103	67.4	51.3	76.9	

Manual Integrations
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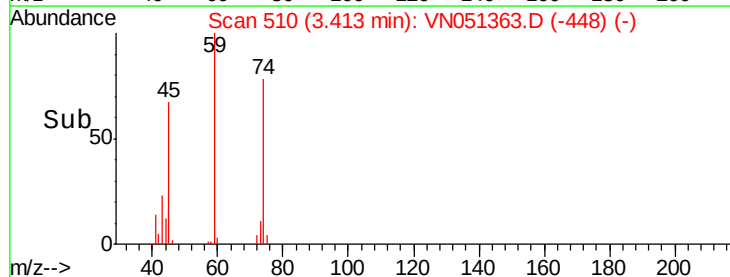
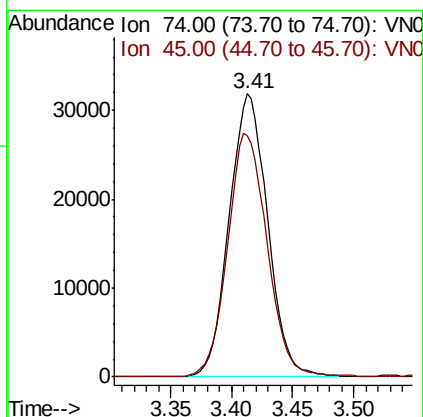
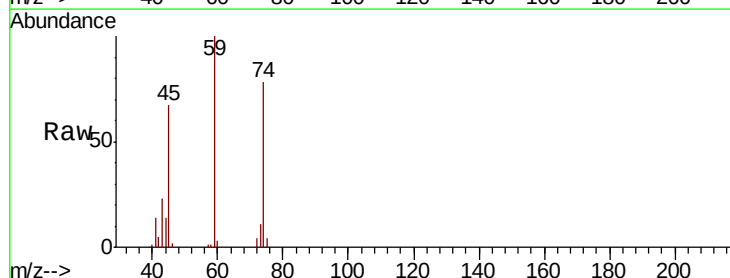
MMDadoda
 9/25/2018 10:53:33 AM

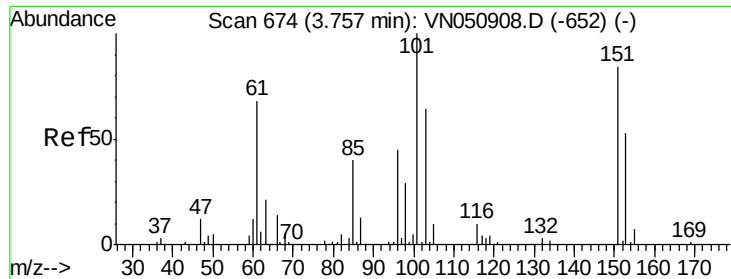


#8

Diethyl Ether
 Concen: 16.647 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN051363.D
 Acq: 21 Sep 2018 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	69717		
45	88.2	19.7	177.1	





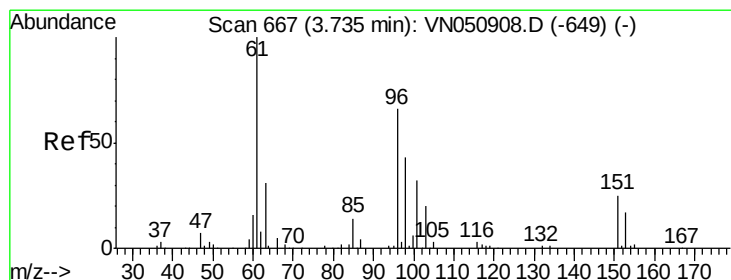
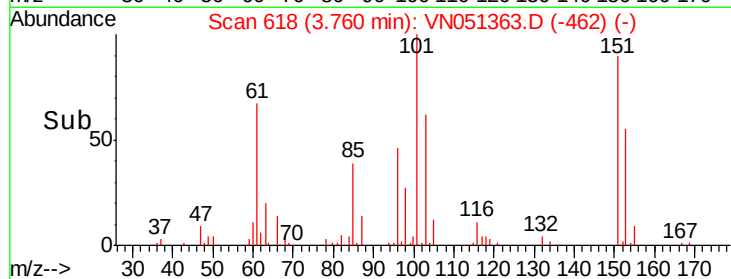
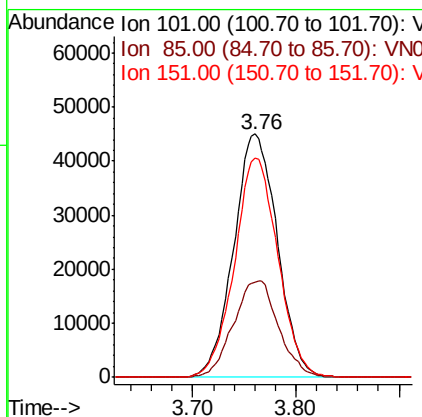
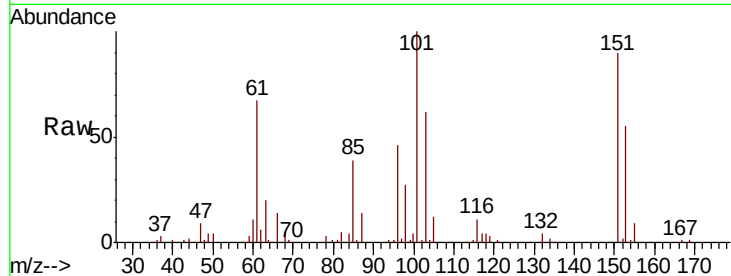
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.011 ug/l
 RT: 3.76 min Scan# 618
 Delta R.T. 0.00 min
 Lab File: VN051363.D
 Acq: 21 Sep 2018 12:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	132481		
85	40.8	0.0	83.6	
151	89.6	0.0	167.0	

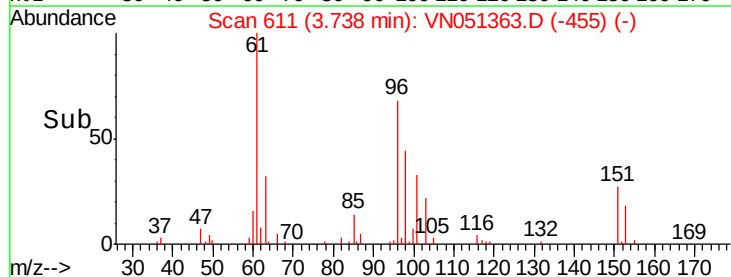
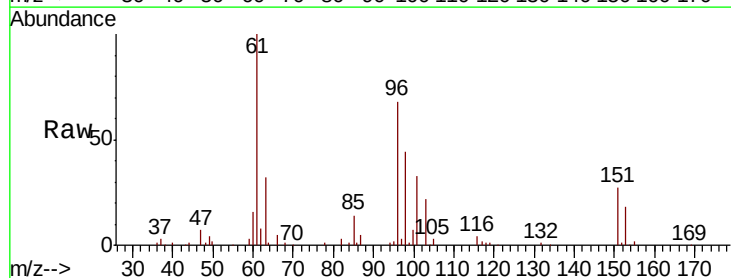
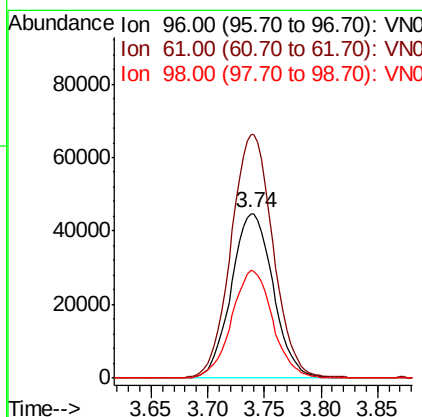
Manual Integrations
 APPROVED

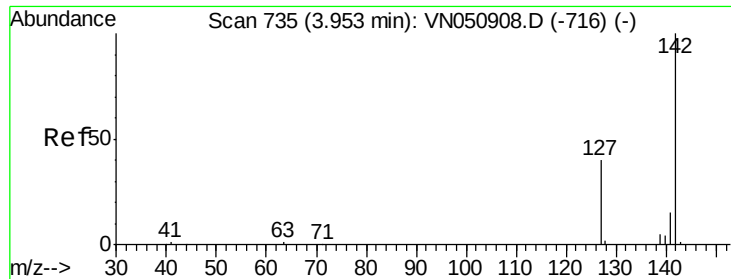
MMDadoda
 9/25/2018 10:53:33 AM



#10
 1,1-Dichloroethene
 Concen: 17.288 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN051363.D
 Acq: 21 Sep 2018 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	115514		
61	147.0	121.8	182.8	
98	65.2	52.3	78.5	





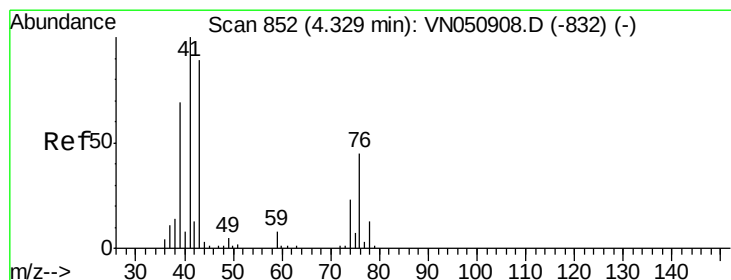
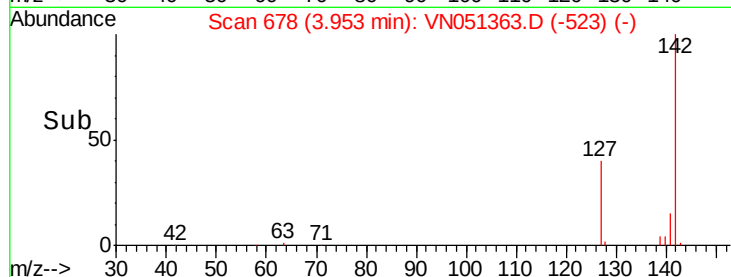
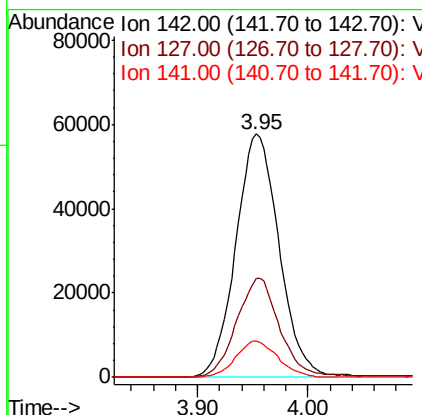
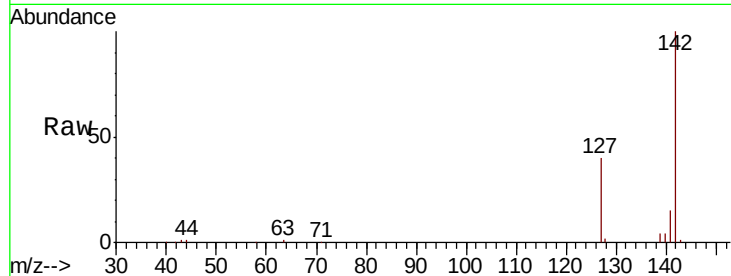
#11
Methyl Iodide
Concen: 25.195 ug/l
RT: 3.95 min Scan# 678
Delta R.T. -0.00 min
Lab File: VN051363.D
Acq: 21 Sep 2018 12:19

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD01

Tgt Ion	Ratio	Lower	Upper
142	100		
127	40.0	19.7	59.1
141	14.9	7.3	22.0

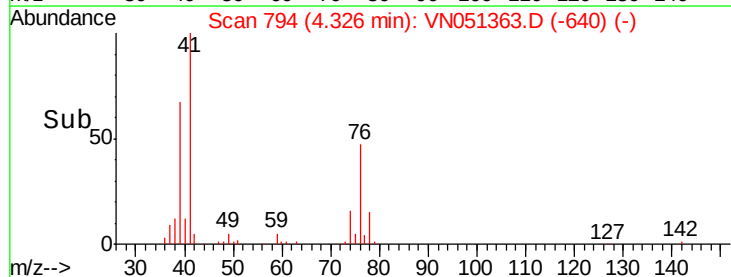
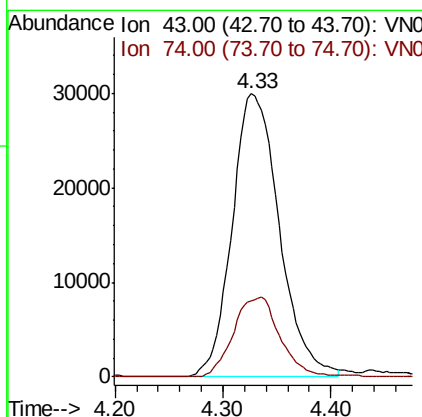
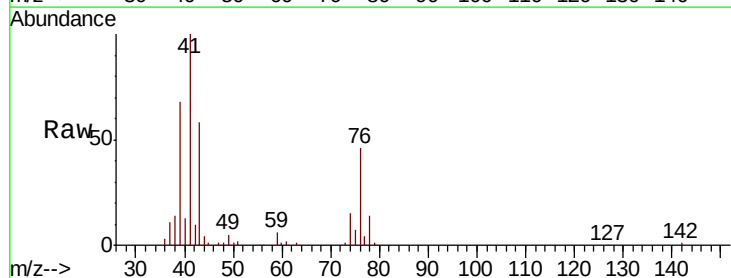
Manual Integrations
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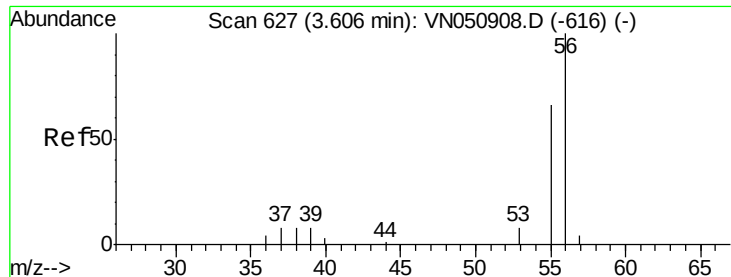
MMDadoda
9/25/2018 10:53:33 AM



#12
Methyl Acetate
Concen: 11.816 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051363.D
Acq: 21 Sep 2018 12:19

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.7	20.6	31.0





#13

Acrolein

Concen: 135.889 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051363.D

Acq: 21 Sep 2018 12:19

Instrument :

MSVOA_N

ClientSampleID :

VN0921WBSD01

Tgt Ion: 56 Resp: 23249

Ion Ratio Lower Upper

56 100

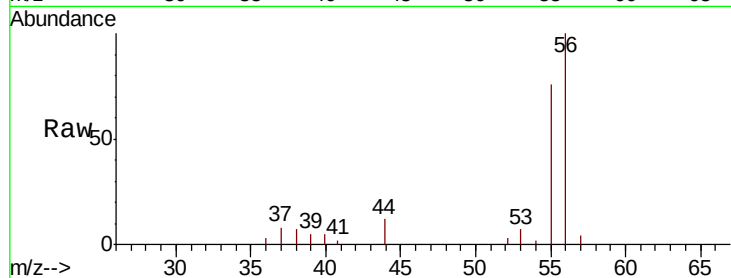
55 73.4 59.1 88.7

Manual Integrations

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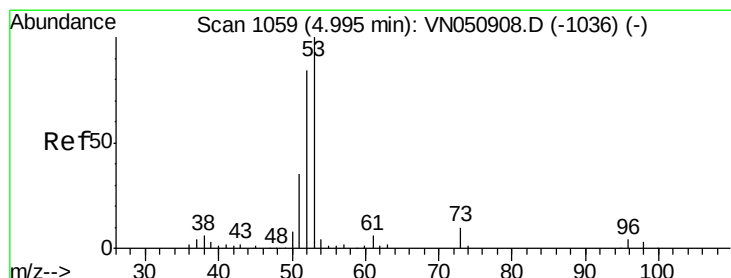
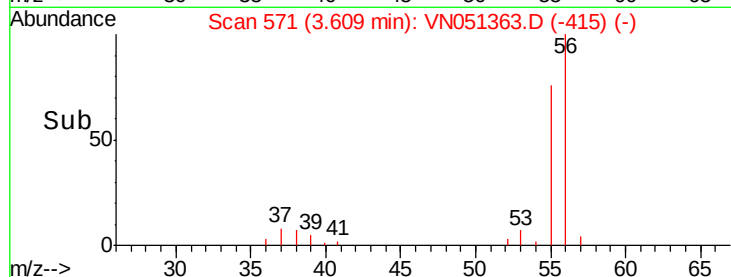
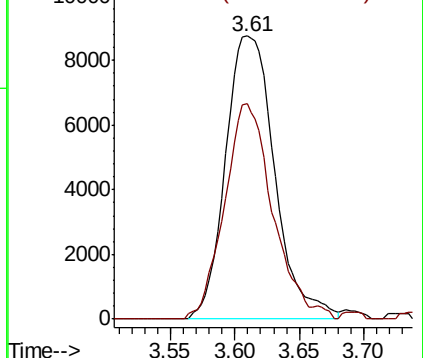
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 70.035 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN051363.D

Acq: 21 Sep 2018 12:19

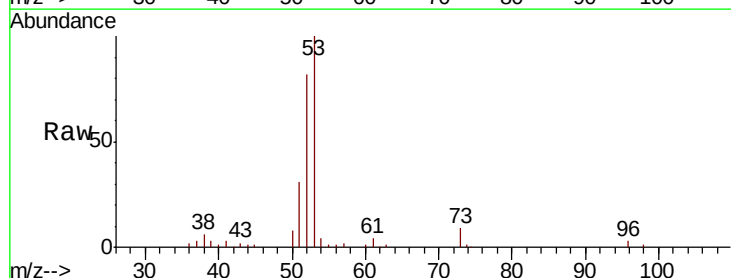
Tgt Ion: 53 Resp: 182957

Ion Ratio Lower Upper

53 100

52 80.9 42.2 126.6

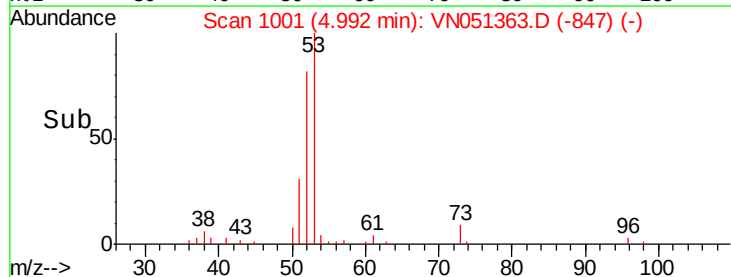
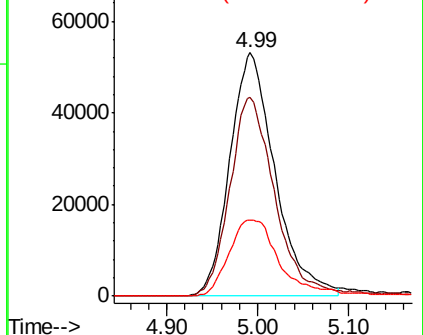
51 34.1 17.7 53.1

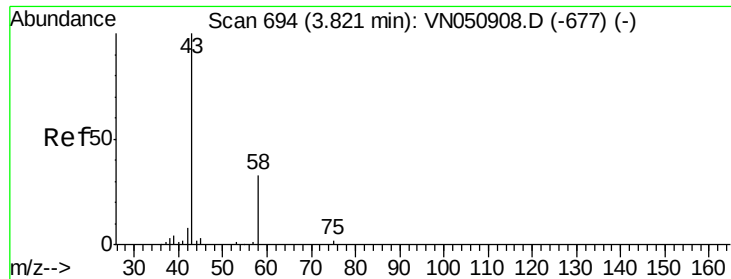


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 70.630 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN051363.D

Acq: 21 Sep 2018 12:19

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBSD01

Tgt Ion: 58 Resp: 47215

Ion Ratio Lower Upper

58 100

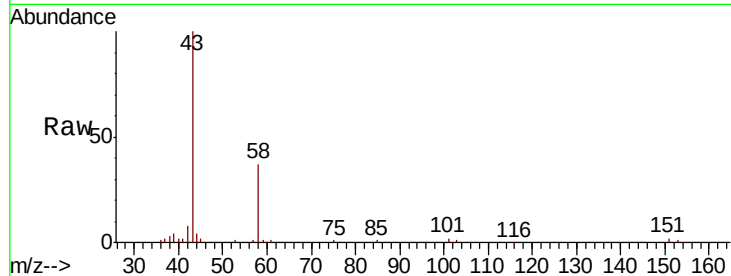
43 268.9 239.4 359.0

Manual Integrations

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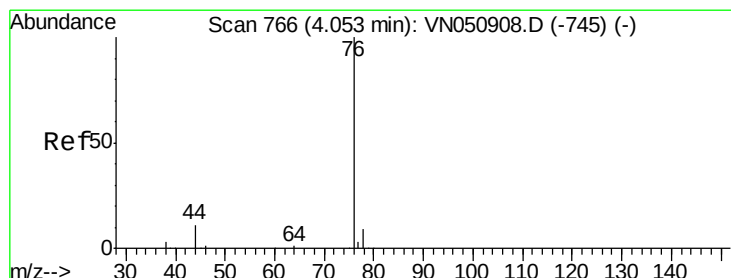
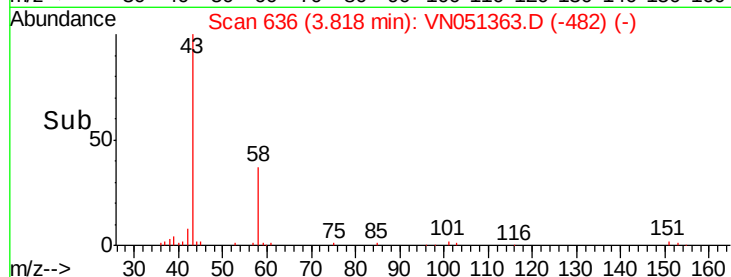
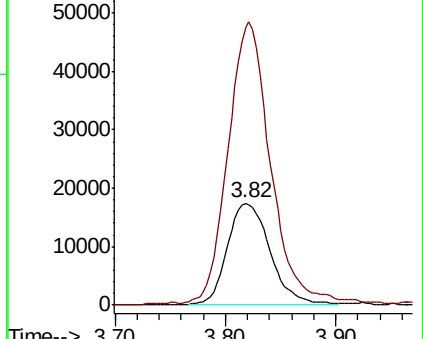
MMDadoda

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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 16.303 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN051363.D

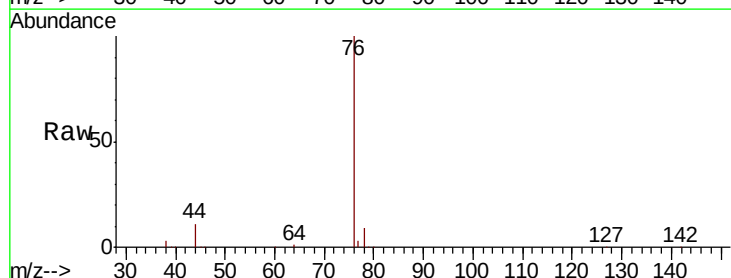
Acq: 21 Sep 2018 12:19

Tgt Ion: 76 Resp: 327545

Ion Ratio Lower Upper

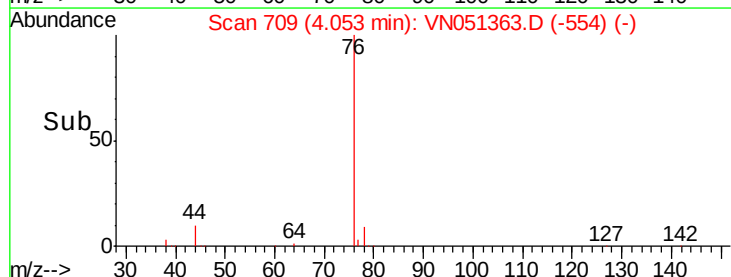
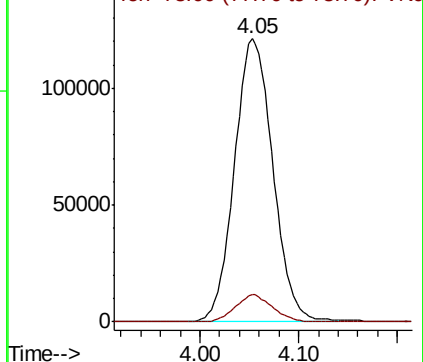
76 100

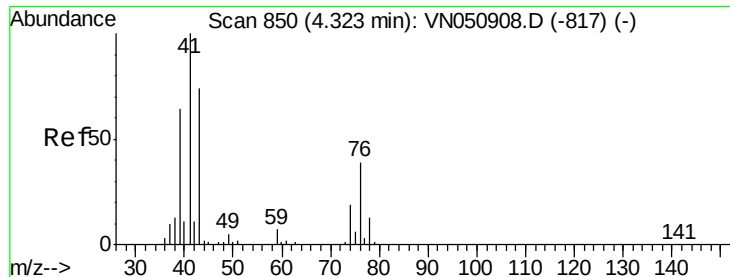
78 9.5 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





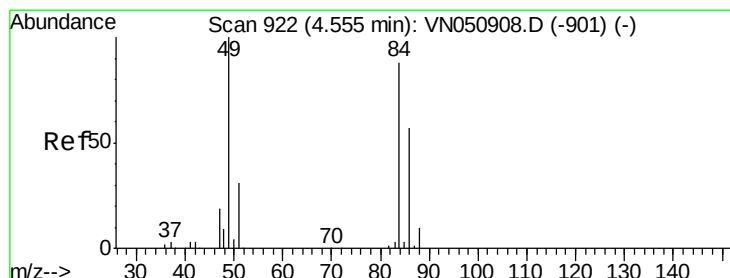
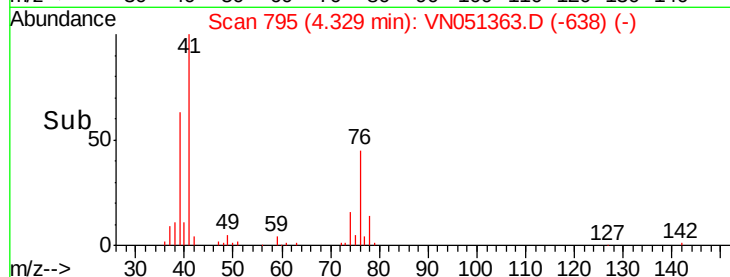
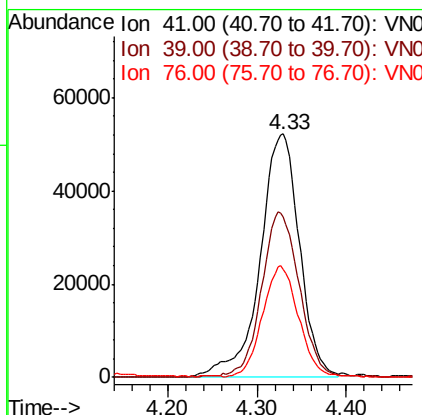
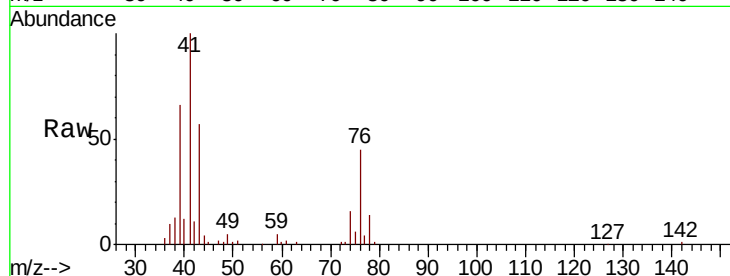
#17
 Allyl chloride
 Concen: 15.275 ug/l
 RT: 4.33 min Scan# 795
 Delta R.T. 0.01 min
 Lab File: VN051363.D
 Acq: 21 Sep 2018 12:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD01

Tgt Ion:	41	Resp:	160597
Ion	Ratio	Lower	Upper
41	100		
39	65.9	32.2	96.6
76	44.1	19.6	58.7

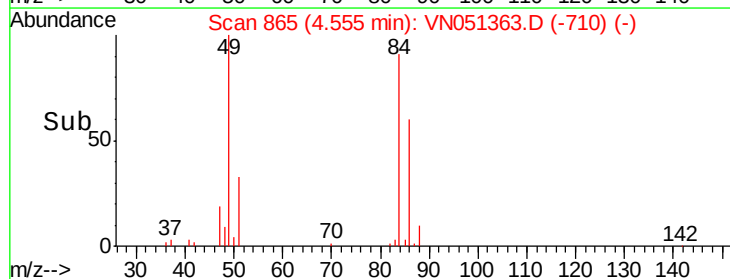
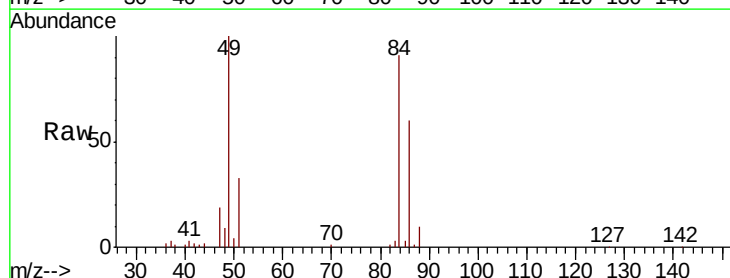
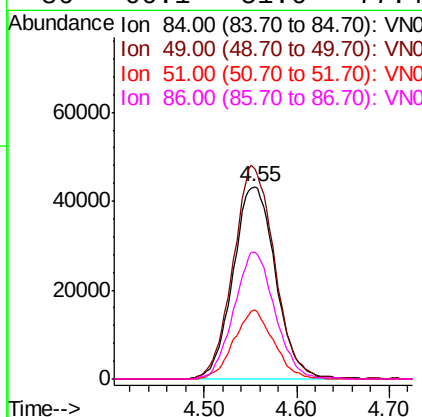
Manual Integrations
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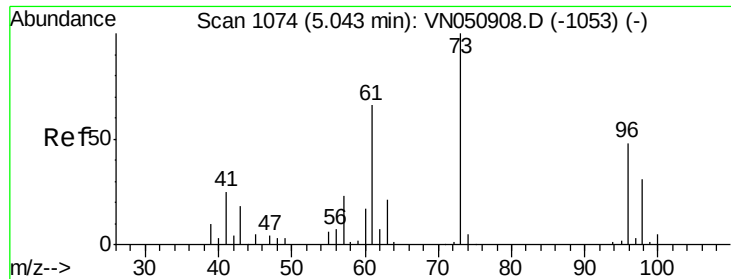
MMDadoda
 9/25/2018 10:53:33 AM



#18
 Methylene Chloride
 Concen: 17.510 ug/l
 RT: 4.55 min Scan# 865
 Delta R.T. -0.00 min
 Lab File: VN051363.D
 Acq: 21 Sep 2018 12:19

Tgt Ion:	84	Resp:	137332
Ion	Ratio	Lower	Upper
84	100		
49	109.4	90.6	135.8
51	35.6	28.4	42.6
86	66.1	51.6	77.4





#19

trans-1,2-Dichloroethene

Concen: 17.413 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN051363.D

Acq: 21 Sep 2018 12:19

Instrument :

MSVOA_N

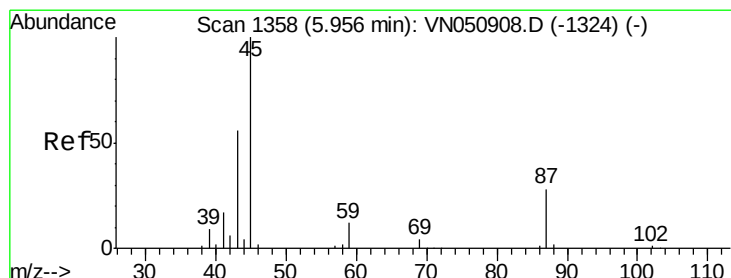
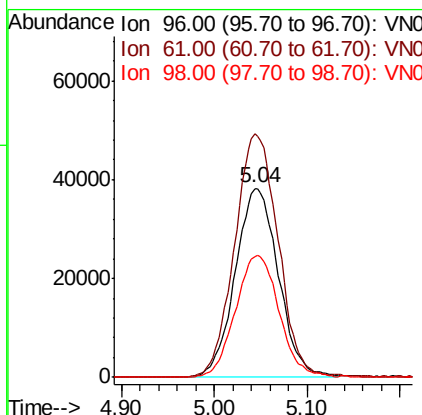
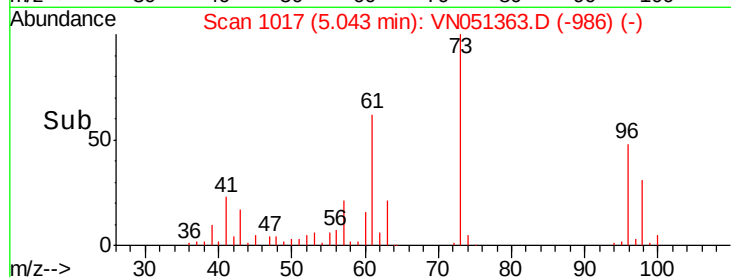
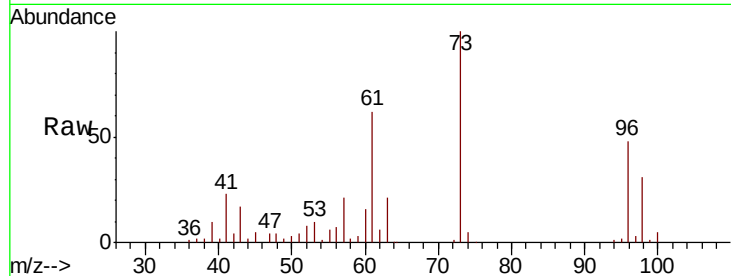
ClientSampleId :

VN0921WBSD01

Tgt Ion:	96	Resp:	123968
Ion	Ratio	Lower	Upper
96	100		
61	128.6	109.5	164.3
98	63.8	51.9	77.9

Manual Integrations
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#20

Diisopropyl ether

Concen: 16.310 ug/l

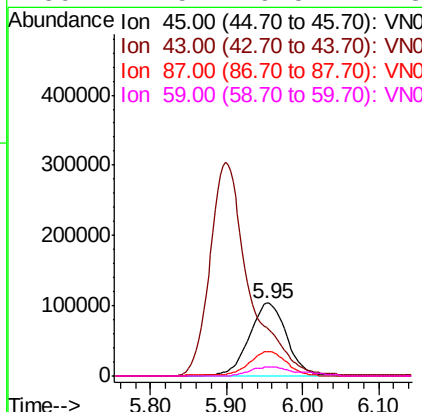
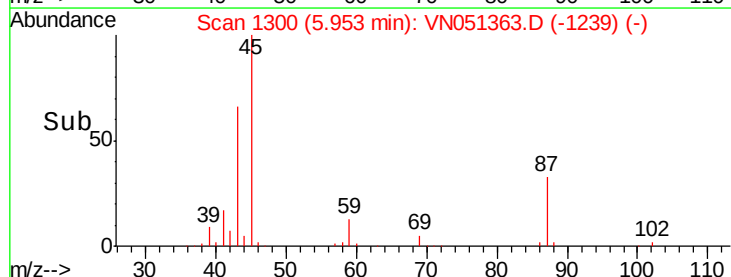
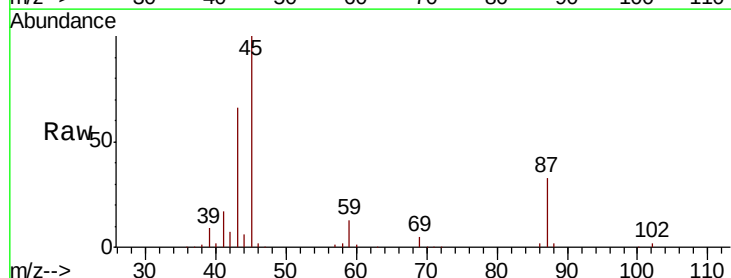
RT: 5.95 min Scan# 1300

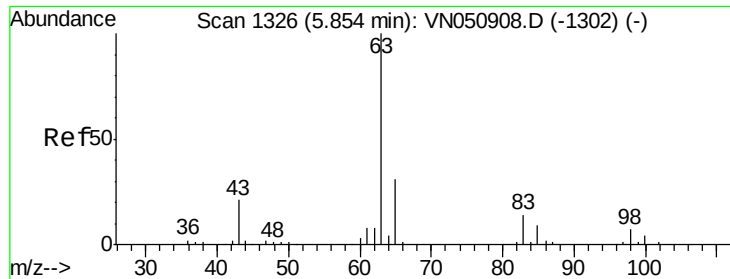
Delta R.T. -0.00 min

Lab File: VN051363.D

Acq: 21 Sep 2018 12:19

Tgt Ion:	45	Resp:	355951
Ion	Ratio	Lower	Upper
45	100		
43	63.4	47.0	70.6
87	32.8	22.8	34.2
59	12.5	9.5	14.3





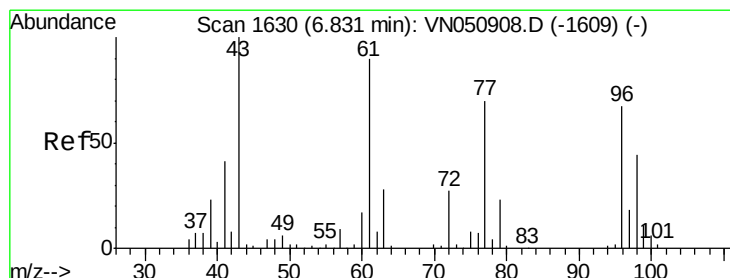
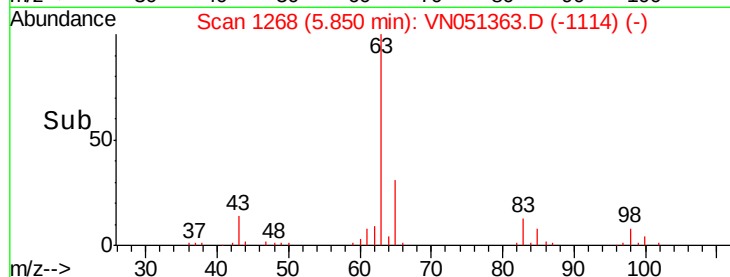
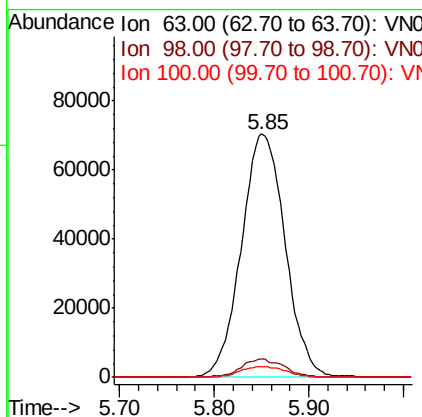
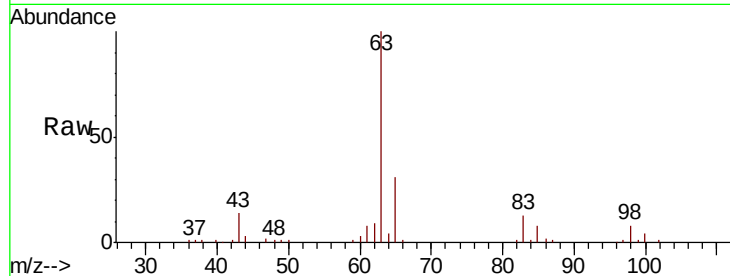
#21
 1,1-Dichloroethane
 Concen: 16.906 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN051363.D
 Acq: 21 Sep 2018 12:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	226215		
98	7.7	3.3	9.9	
100	4.2	2.0	6.0	

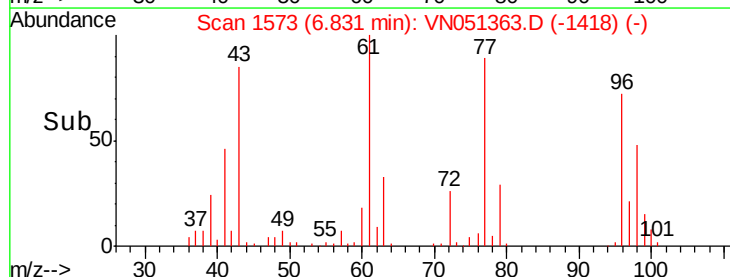
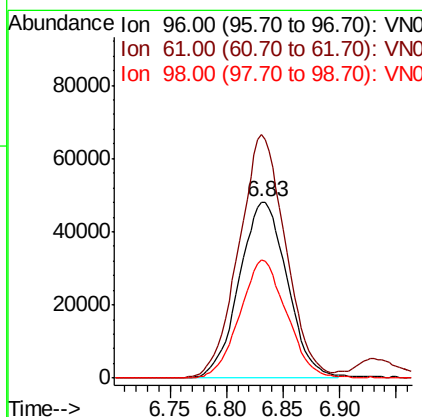
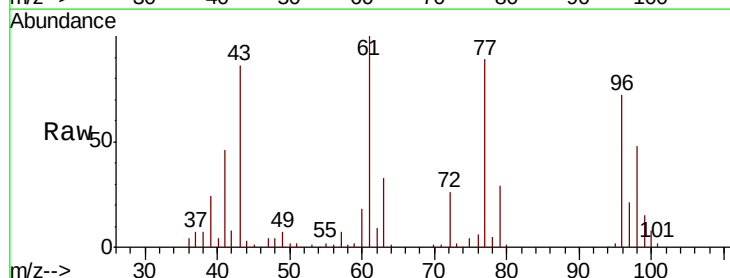
Manual Integrations
 APPROVED

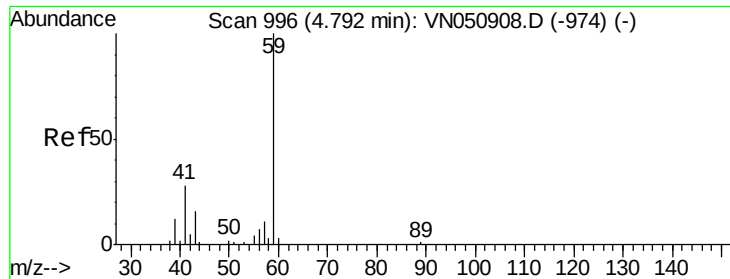
MMDadoda
 9/25/2018 10:53:33 AM



#22
 cis-1,2-Dichloroethene
 Concen: 17.592 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: VN051363.D
 Acq: 21 Sep 2018 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	141469		
61	135.4	110.0	165.0	
98	65.4	51.7	77.5	





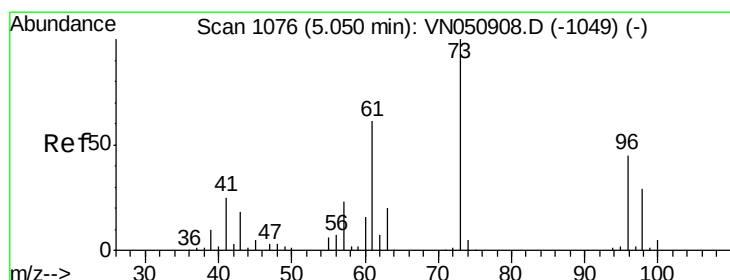
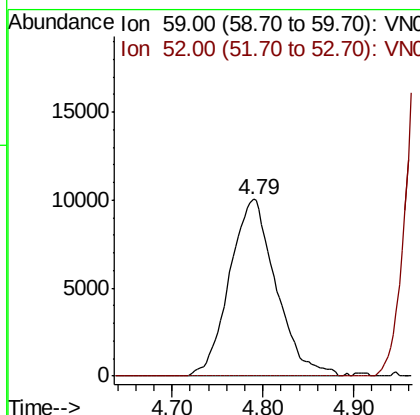
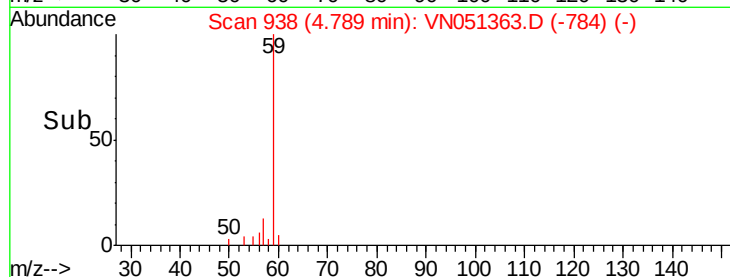
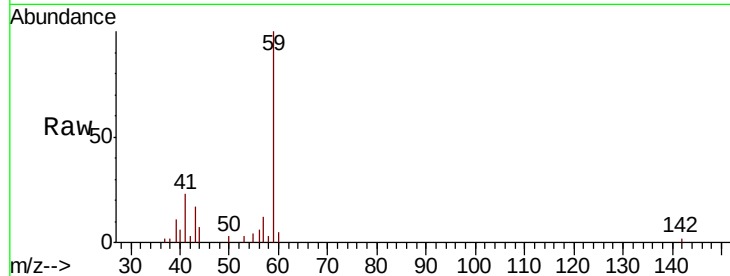
#23
 tert-Butyl Alcohol
 Concen: 64.167 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. -0.00 min
 Lab File: VN051363.D
 Acq: 21 Sep 2018 12:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD01

Tgt Ion: 59 Resp: 35649
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#

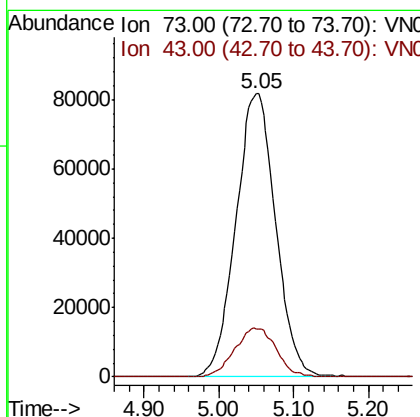
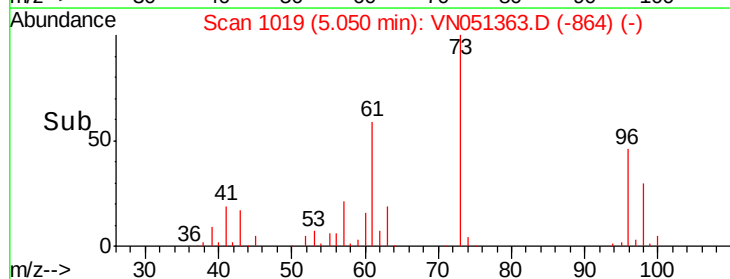
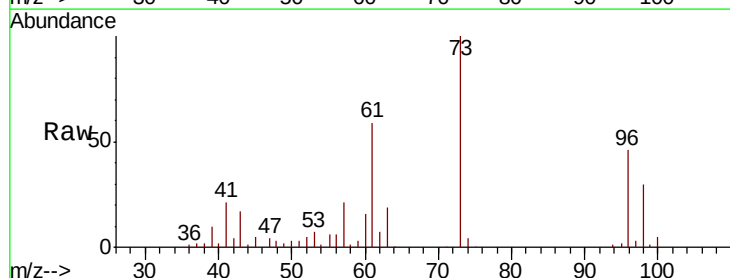
Manual Integrations
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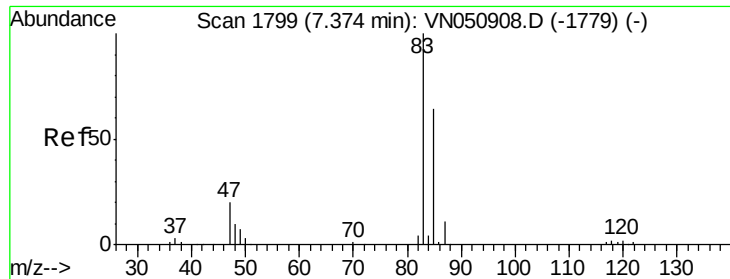
MMDadoda
 9/25/2018 10:53:33 AM



#24
 Methyl tert-Butyl Ether
 Concen: 16.513 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VN051363.D
 Acq: 21 Sep 2018 12:19

Tgt Ion: 73 Resp: 301789
 Ion Ratio Lower Upper
 73 100
 43 18.0 14.4 21.6





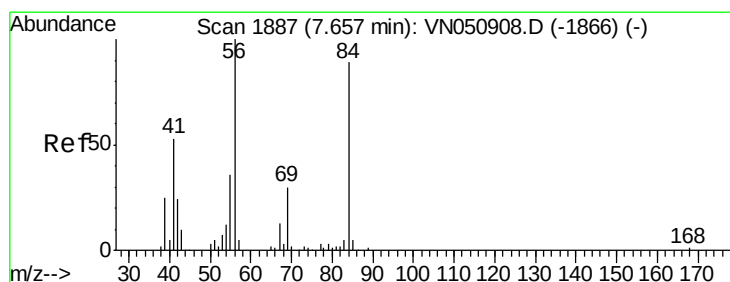
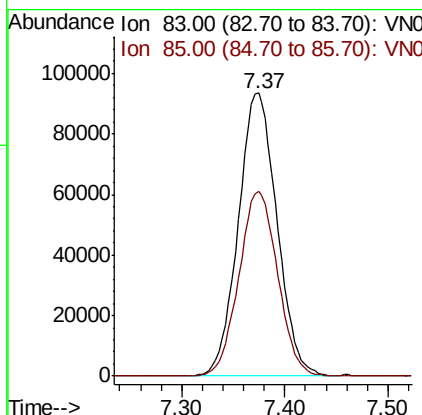
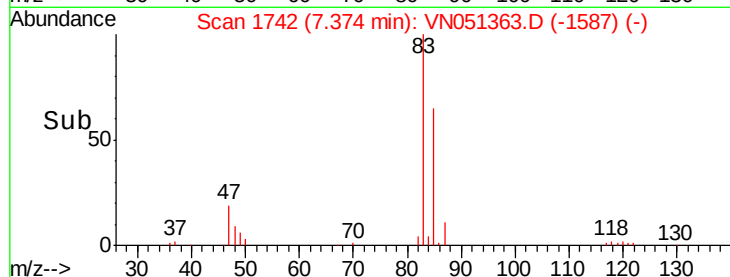
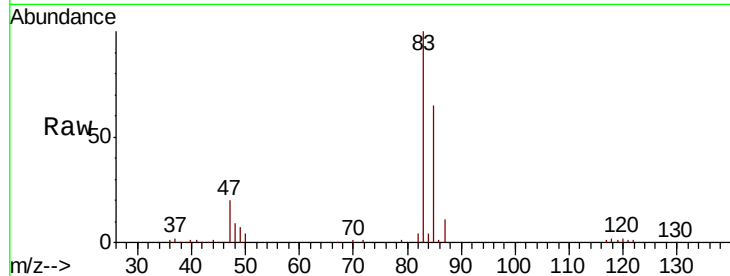
#25
Chloroform
Concen: 18.277 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051363.D
Acq: 21 Sep 2018 12:19

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD01

Tgt Ion: 83 Resp: 244096
Ion Ratio Lower Upper
83 100
85 65.2 51.4 77.0

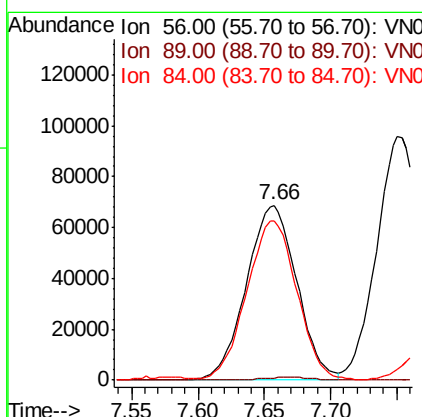
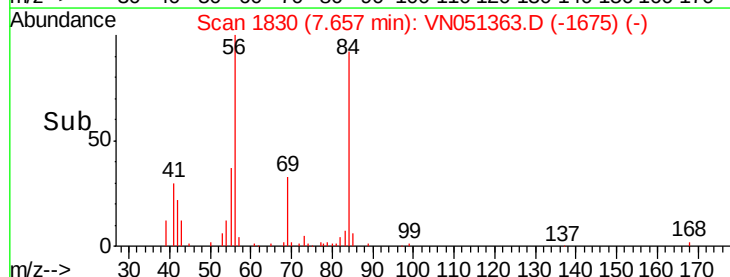
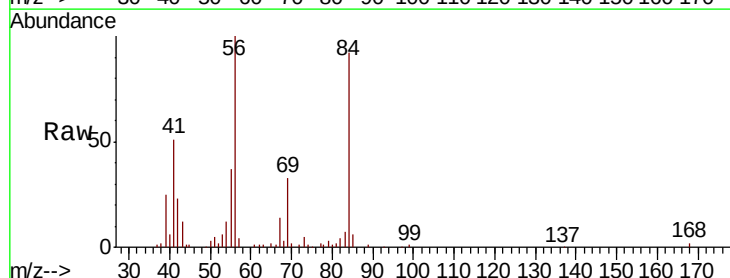
Manual Integrations
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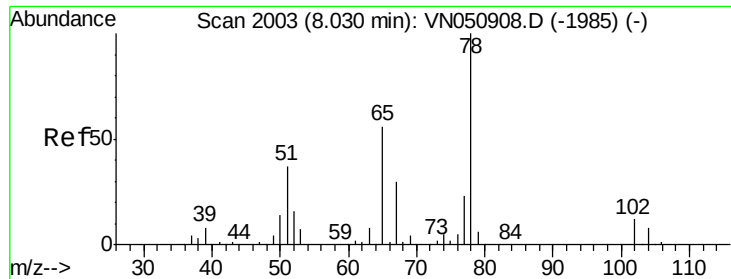
MMDadoda
9/25/2018 10:53:33 AM



#26
Cyclohexane
Concen: 16.459 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. -0.00 min
Lab File: VN051363.D
Acq: 21 Sep 2018 12:19

Tgt Ion: 56 Resp: 182461
Ion Ratio Lower Upper
56 100
89 0.8 0.4 0.6#
84 91.0 70.4 105.6





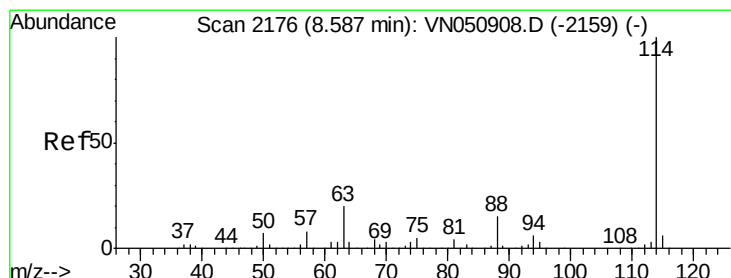
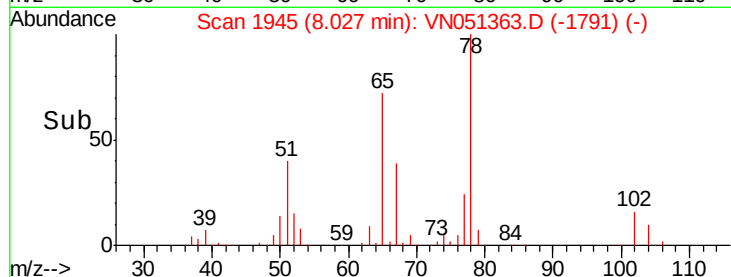
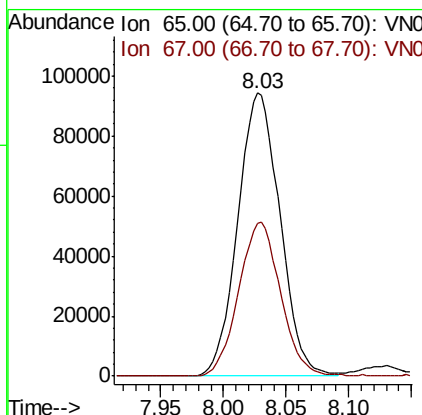
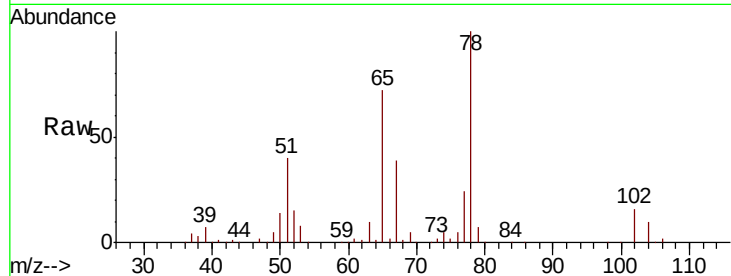
#27
 1,2-Dichloroethane-d4
 Concen: 28.025 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051363.D
 Acq: 21 Sep 2018 12:19

Instrument :
 MSVOA_N
 ClientSampled :
 VN0921WBSD01

Tgt Ion: 65 Resp: 221148
 Ion Ratio Lower Upper
 65 100
 67 53.9 43.7 65.5

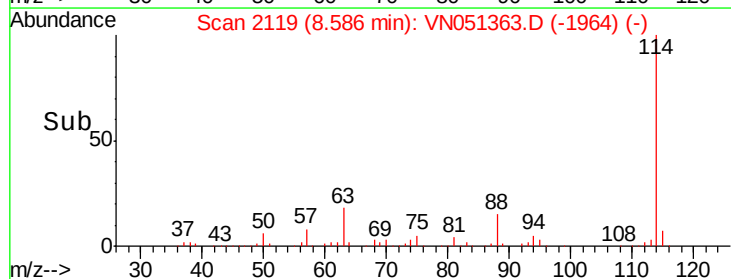
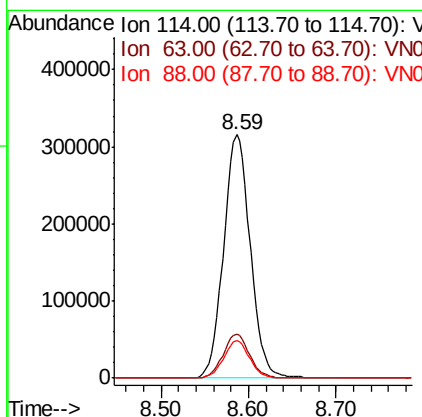
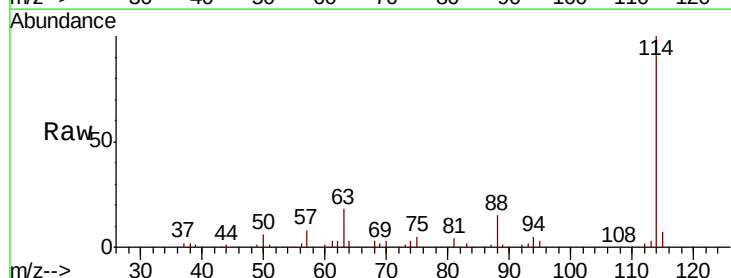
Manual Integrations
 APPROVED

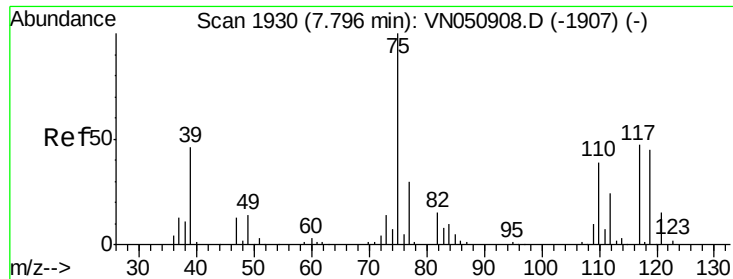
MMDadoda
 9/25/2018 10:53:33 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051363.D
 Acq: 21 Sep 2018 12:19

Tgt Ion: 114 Resp: 667918
 Ion Ratio Lower Upper
 114 100
 63 18.0 15.6 23.4
 88 14.9 12.2 18.4





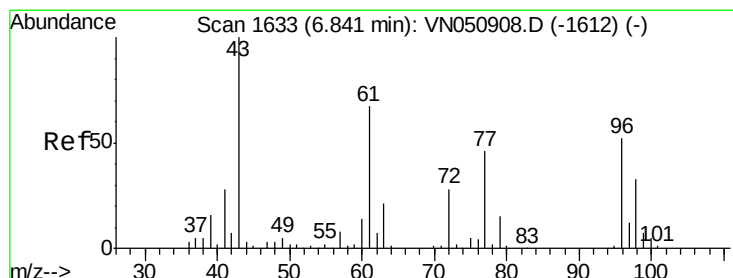
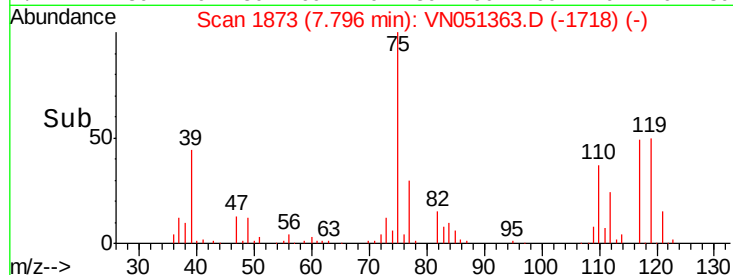
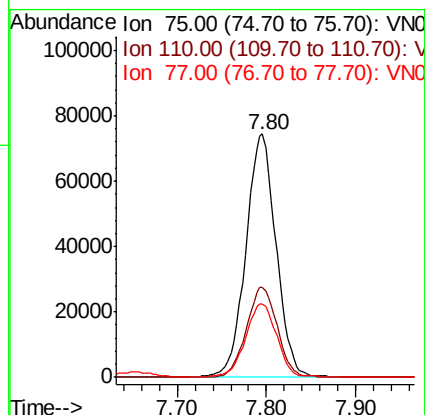
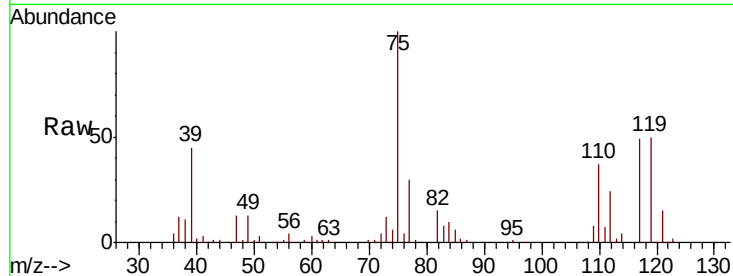
#29
 1,1-Dichloropropene
 Concen: 17.454 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. -0.00 min
 Lab File: VN051363.D
 Acq: 21 Sep 2018 12:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD01

Tgt Ion	Ratio	Resp Lower	Upper
75	100		
110	37.8	0.0	75.0
77	31.4	0.0	60.6

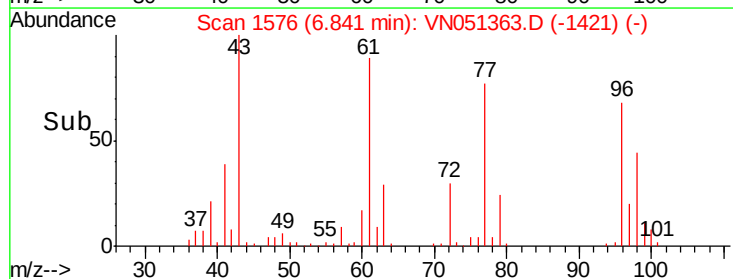
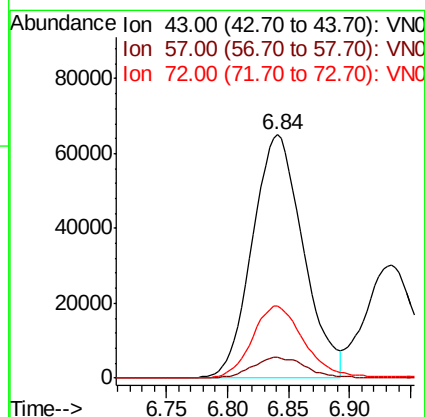
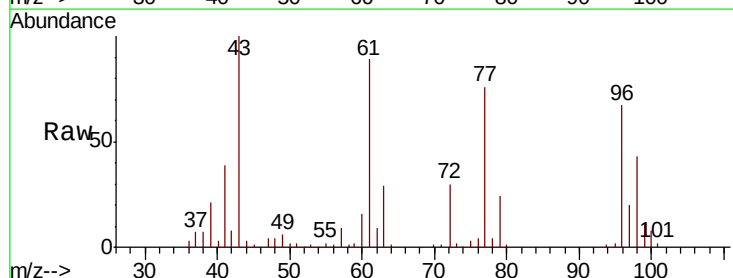
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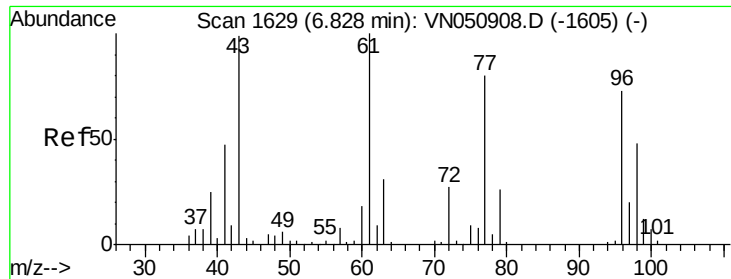
MMDadoda
 9/25/2018 10:53:33 AM



#30
 2-Butanone
 Concen: 61.237 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: VN051363.D
 Acq: 21 Sep 2018 12:19

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	5.9	6.9	10.3#
72	30.2	22.8	34.2





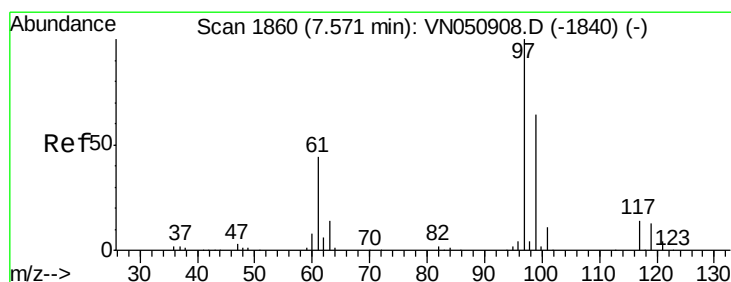
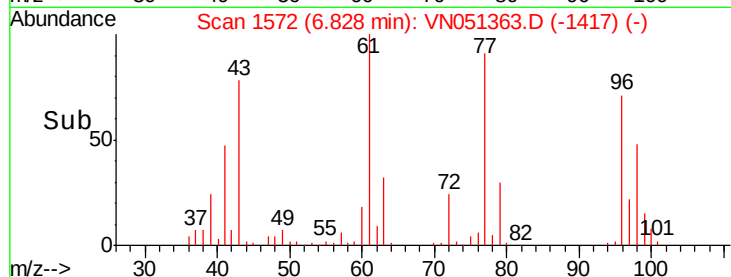
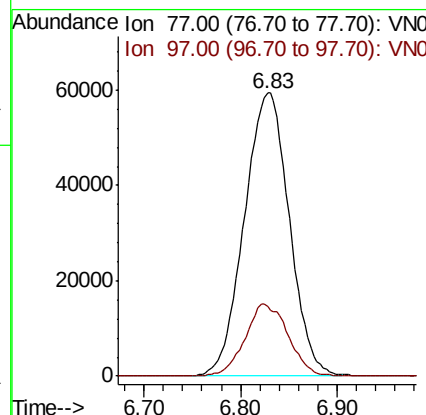
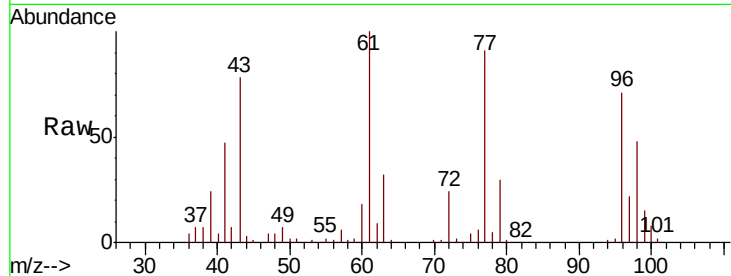
#31
 2,2-Dichloropropane
 Concen: 19.687 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN051363.D
 Acq: 21 Sep 2018 12:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD01

Tgt Ion: 77 Resp: 191553
 Ion Ratio Lower Upper
 77 100
 97 24.5 20.2 30.2

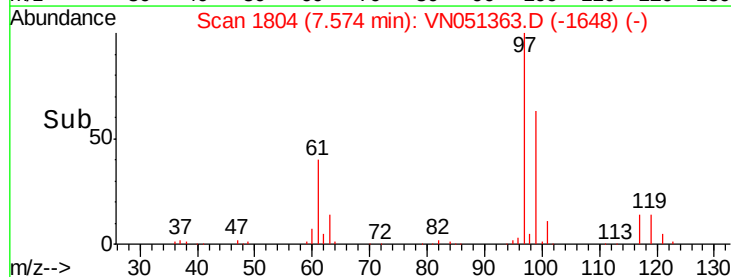
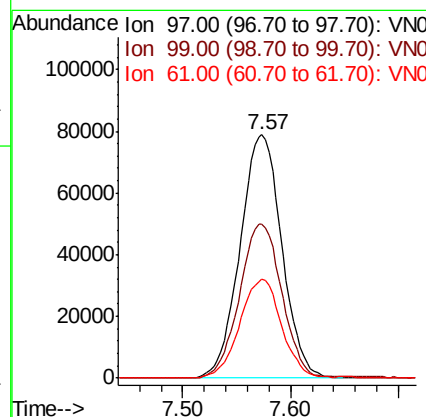
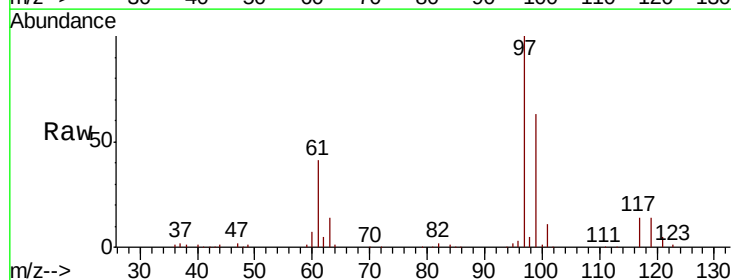
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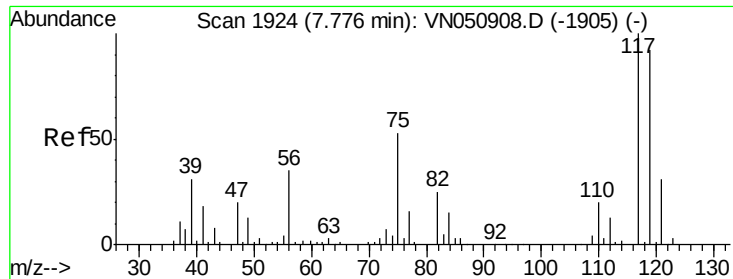
MMDadoda
 9/25/2018 10:53:33 AM



#32
 1,1,1-Trichloroethane
 Concen: 18.705 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN051363.D
 Acq: 21 Sep 2018 12:19

Tgt Ion: 97 Resp: 212100
 Ion Ratio Lower Upper
 97 100
 99 64.2 52.0 78.0
 61 40.7 35.0 52.6





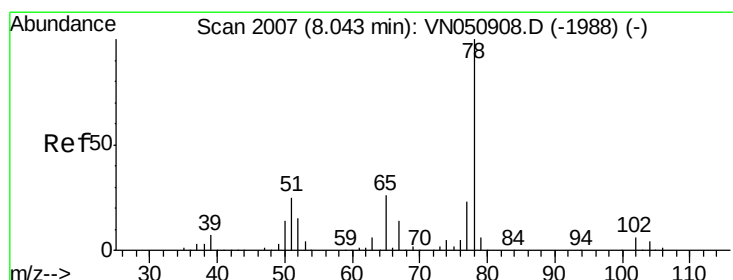
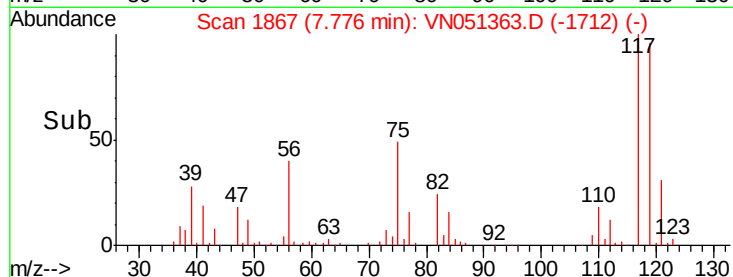
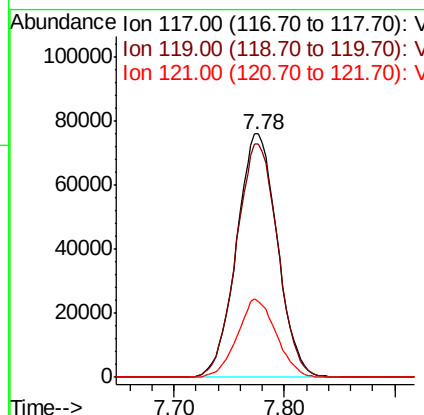
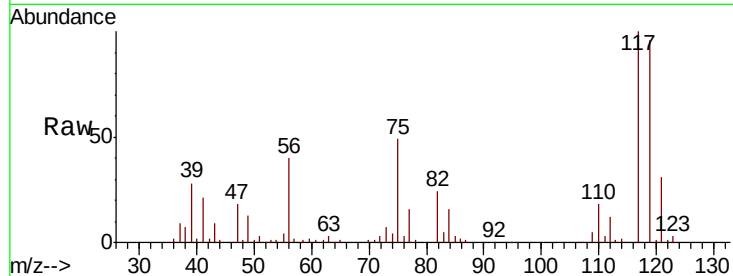
#33
Carbon Tetrachloride
Concen: 19.050 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN051363.D
Acq: 21 Sep 2018 12:19

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	194526		
119	95.8	73.5	110.3	
121	31.2	24.6	37.0	

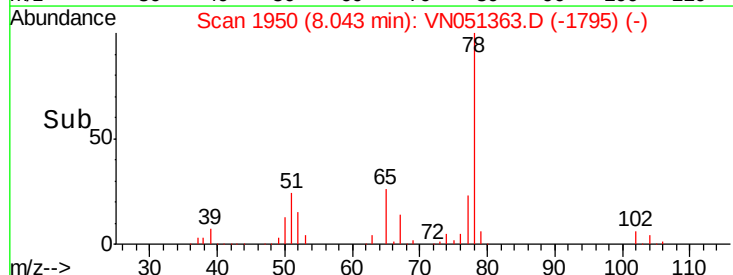
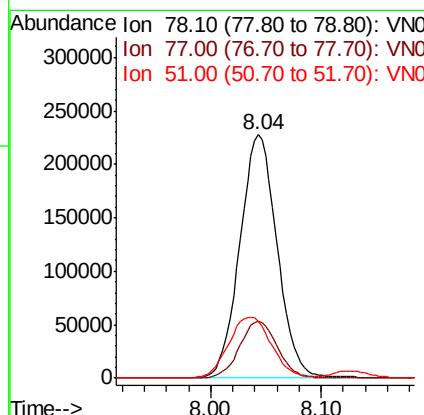
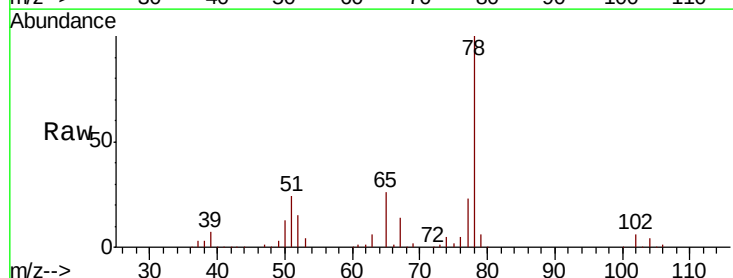
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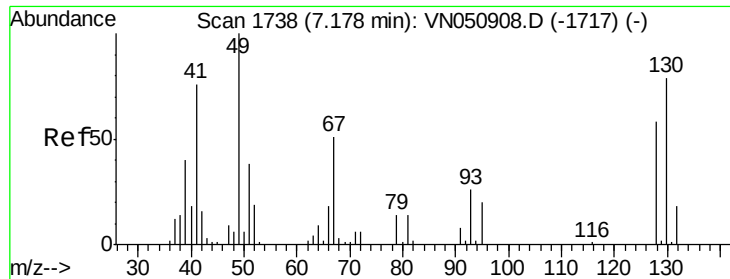
MMDadoda
9/25/2018 10:53:33 AM



#34
Benzene
Concen: 17.236 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051363.D
Acq: 21 Sep 2018 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	533182		
77	23.2	18.6	28.0	
51	23.4	20.0	30.0	





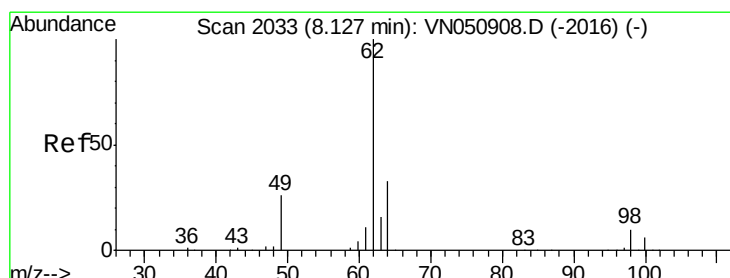
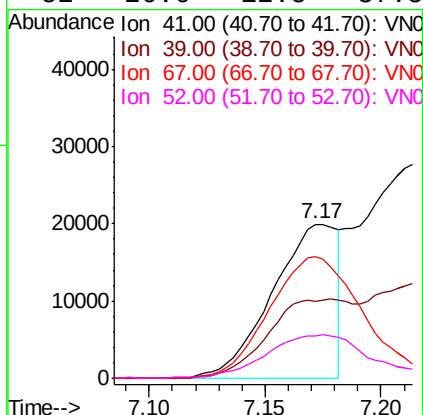
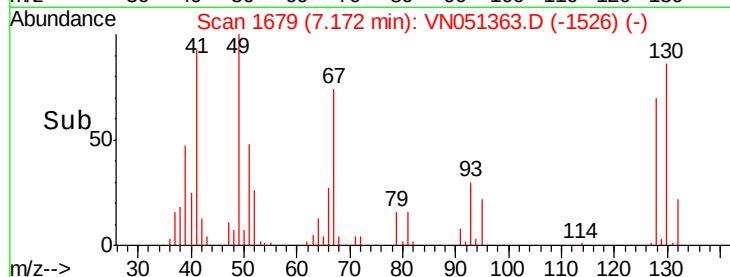
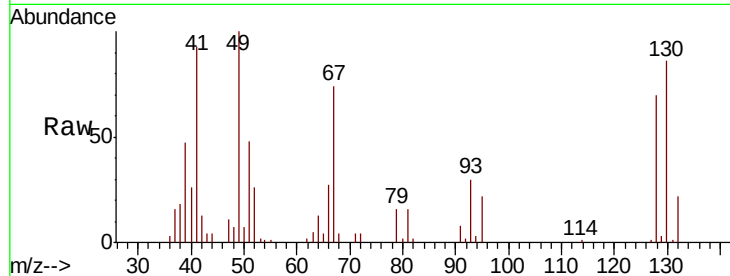
#35
Methacrylonitrile
Concen: 11.528 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN051363.D
Acq: 21 Sep 2018 12:19

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	50.1	26.2	78.5
67	79.5	33.9	101.6
52	26.6	12.5	37.5

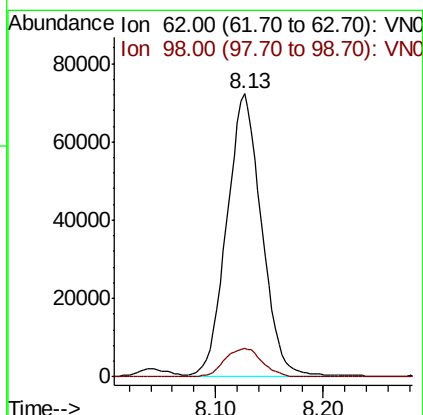
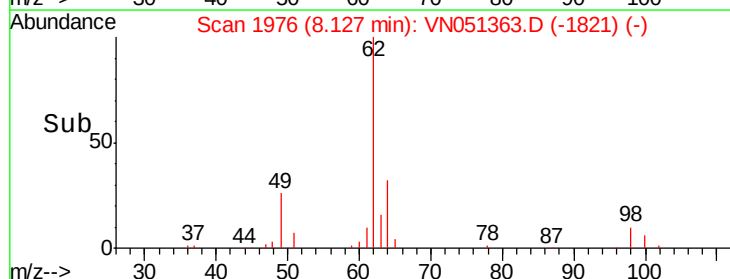
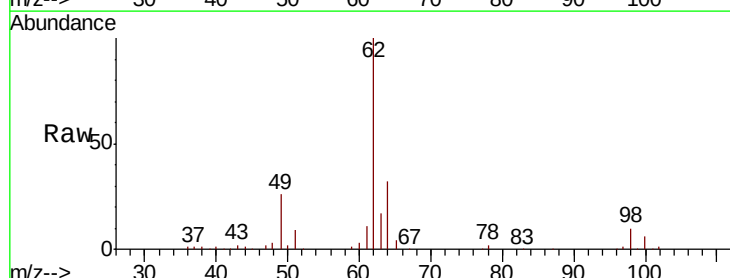
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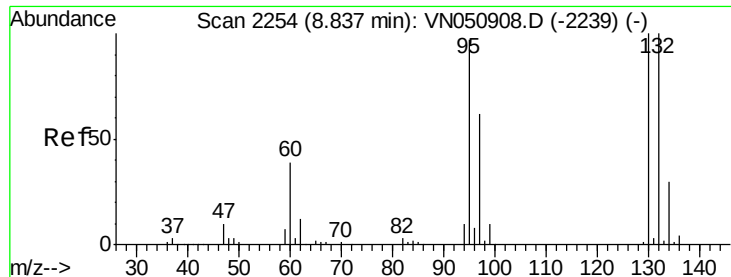
MMDadoda
9/25/2018 10:53:33 AM



#36
1,2-Dichloroethane
Concen: 17.451 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN051363.D
Acq: 21 Sep 2018 12:19

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.6	8.0	12.0





#37

Trichloroethene

Concen: 18.462 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN051363.D

Acq: 21 Sep 2018 12:19

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBSD01

Tgt Ion:130 Resp: 149272

Ion Ratio Lower Upper

130 100

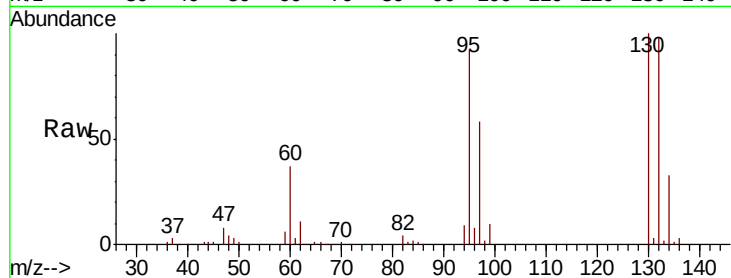
95 91.8 77.4 116.0

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): VN051363.D (-2197) (-)

Ion 94.90 (94.60 to 95.60): VN051363.D (-2197) (-)

8.84

80000

60000

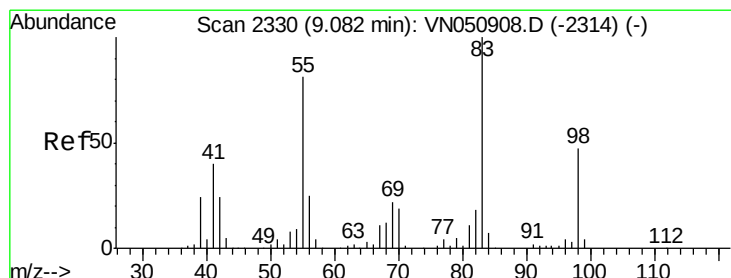
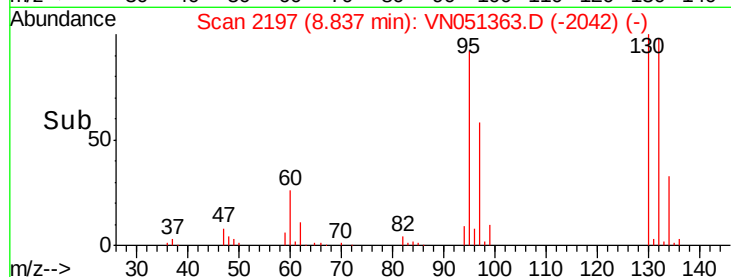
40000

20000

0

8.75 8.80 8.85 8.90

Time-->



#38

Methylcyclohexane

Concen: 18.424 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN051363.D

Acq: 21 Sep 2018 12:19

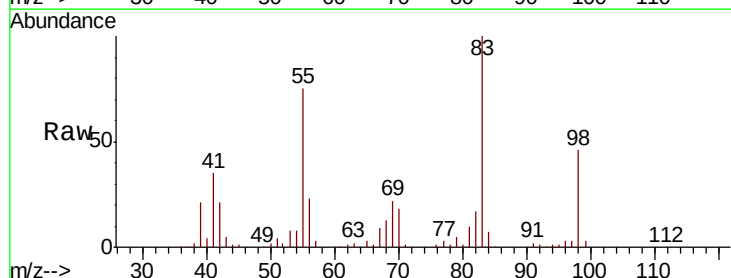
Tgt Ion: 83 Resp: 197861

Ion Ratio Lower Upper

83 100

55 74.2 38.9 116.7

98 46.3 22.9 68.7



Abundance Ion 83.00 (82.70 to 83.70): VN051363.D (-2273) (-)

Ion 55.00 (54.70 to 55.70): VN051363.D (-2273) (-)

Ion 98.00 (97.70 to 98.70): VN051363.D (-2273) (-)

9.08

120000

100000

80000

60000

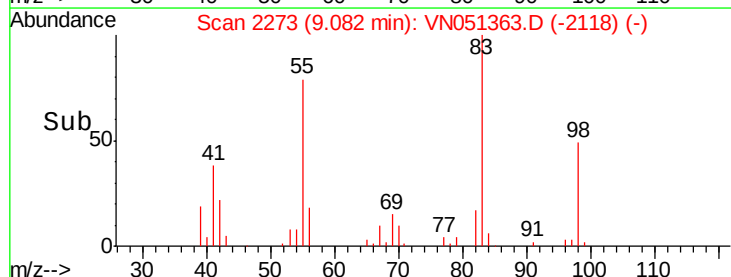
40000

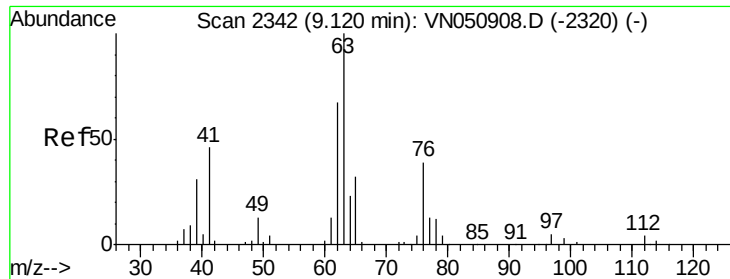
20000

0

9.00 9.05 9.10 9.15

Time-->





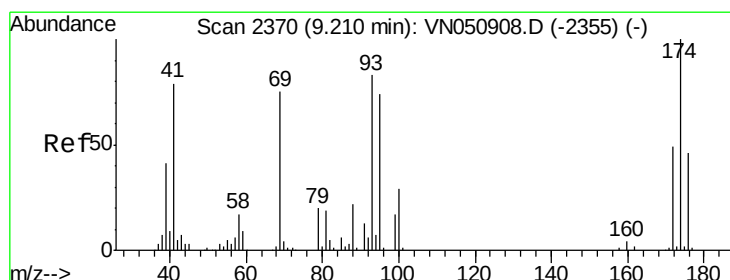
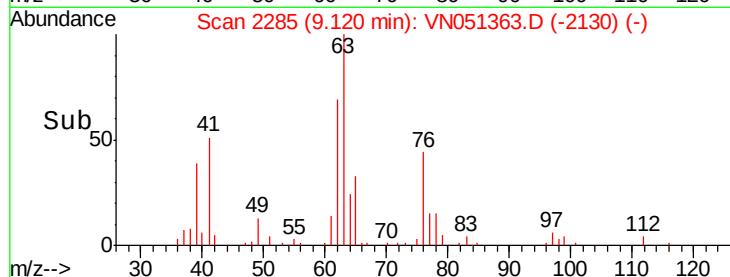
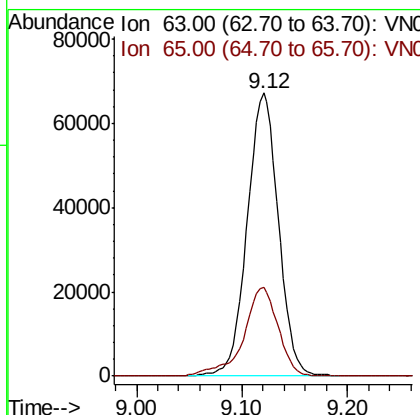
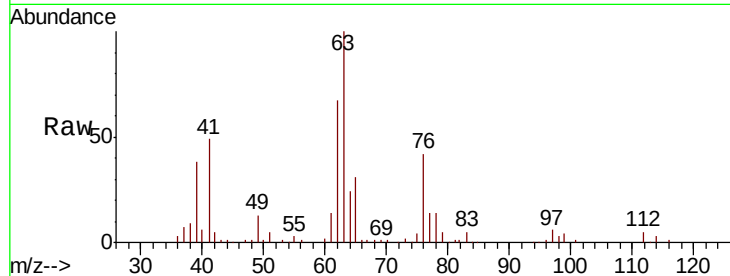
#39
 1,2-Dichloropropane
 Concen: 17.170 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN051363.D
 Acq: 21 Sep 2018 12:19

Instrument :
 MSVOA_N
 ClientSampled :
 VN0921WBSD01

Tgt Ion: 63 Resp: 138719
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.6 38.4

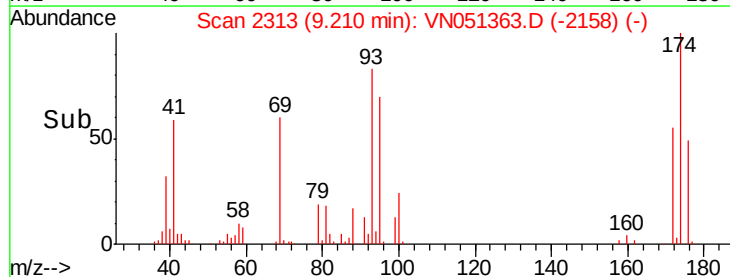
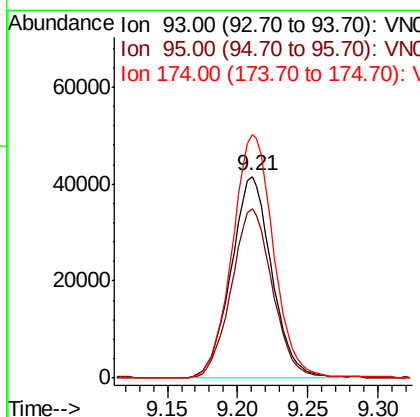
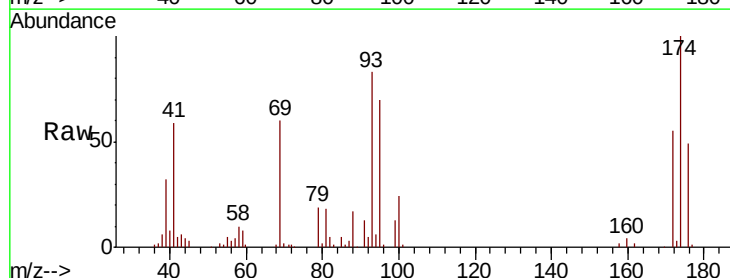
Manual Integrations
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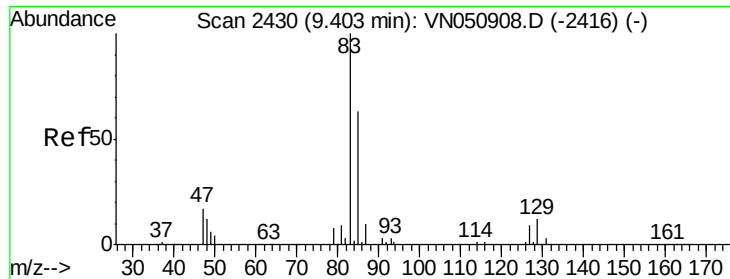
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#40
 Dibromomethane
 Concen: 17.279 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN051363.D
 Acq: 21 Sep 2018 12:19

Tgt Ion: 93 Resp: 84091
 Ion Ratio Lower Upper
 93 100
 95 84.9 0.0 173.4
 174 121.9 0.0 234.8





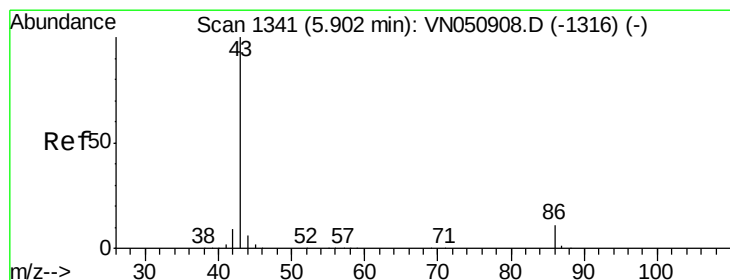
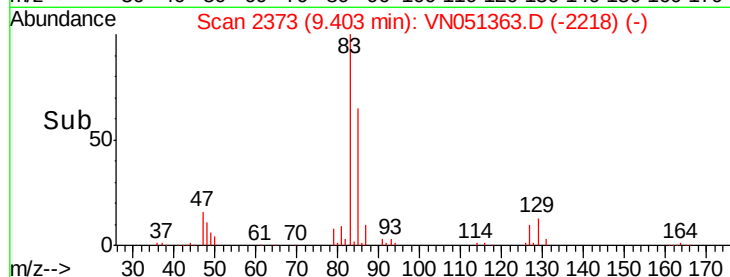
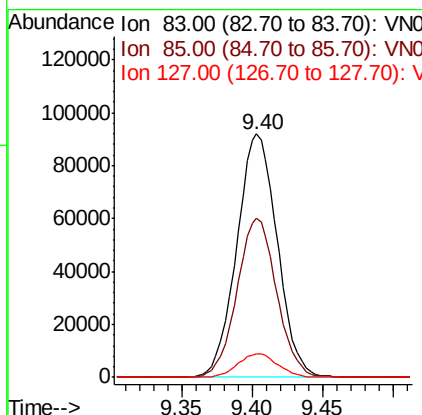
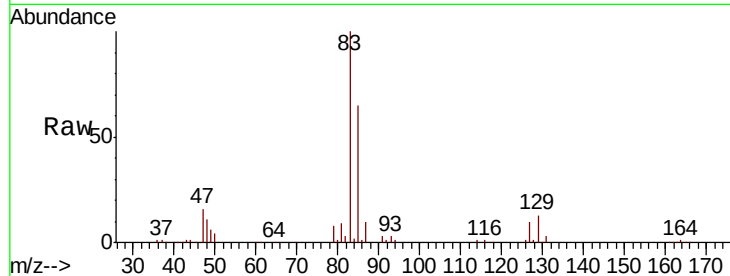
#41
 Bromodichloromethane
 Concen: 17.986 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. -0.00 min
 Lab File: VN051363.D
 Acq: 21 Sep 2018 12:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	50.6	76.0
127	9.7	7.1	10.7

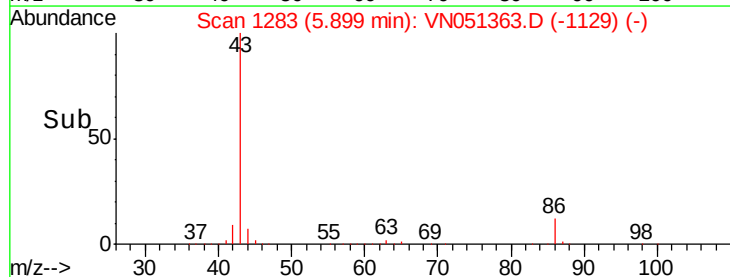
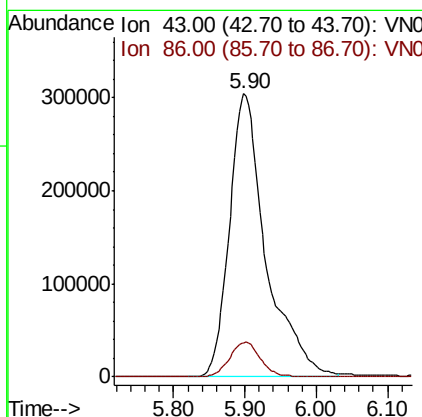
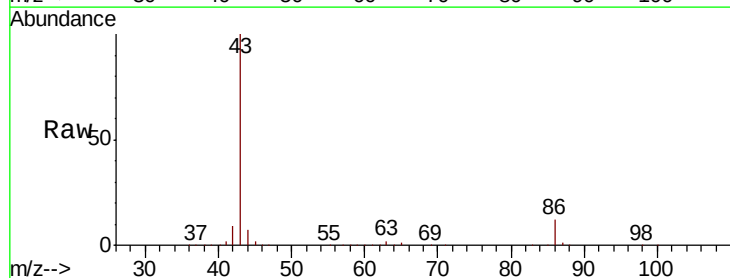
Manual Integrations
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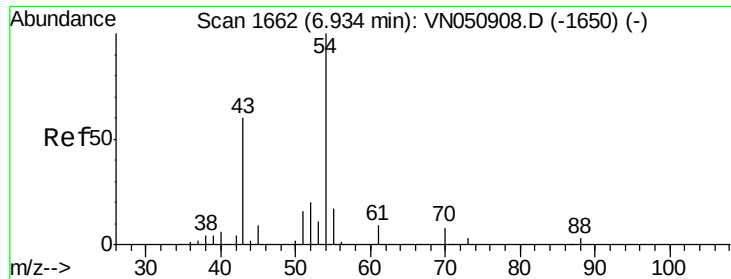
MMDadoda
 9/25/2018 10:53:33 AM



#42
 Vinyl Acetate
 Concen: 76.584 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VN051363.D
 Acq: 21 Sep 2018 12:19

Tgt Ion	Ratio	Lower	Upper
43	100		
86	10.3	7.2	10.8





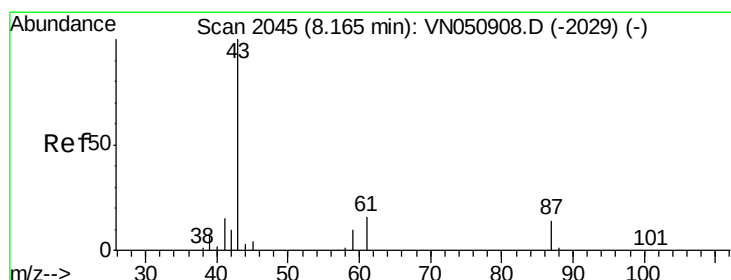
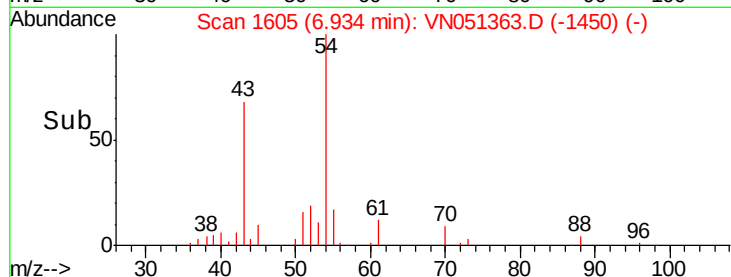
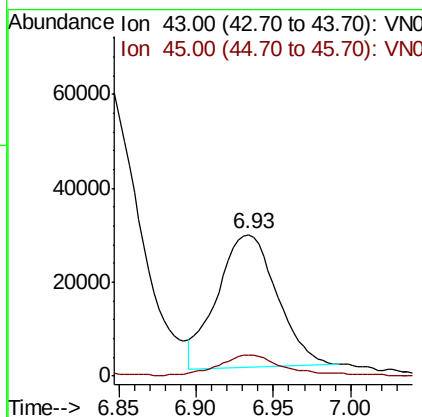
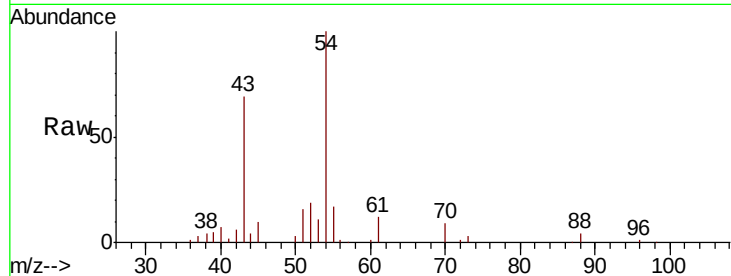
#43
Ethyl Acetate
Concen: 12.033 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN051363.D
Acq: 21 Sep 2018 12:19

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD01

Tgt Ion: 43 Resp: 75829
Ion Ratio Lower Upper
43 100
45 14.8 10.2 15.2

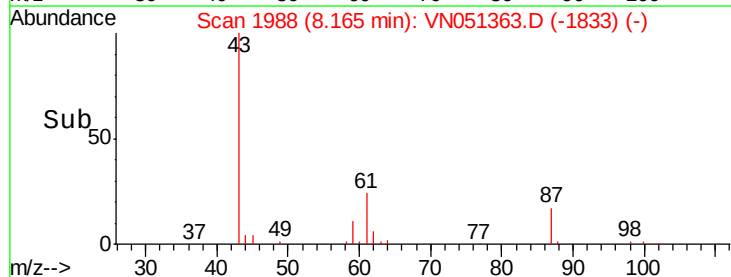
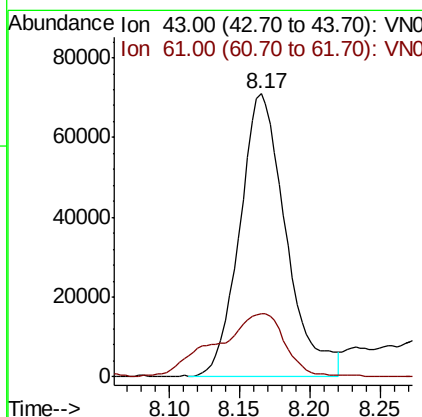
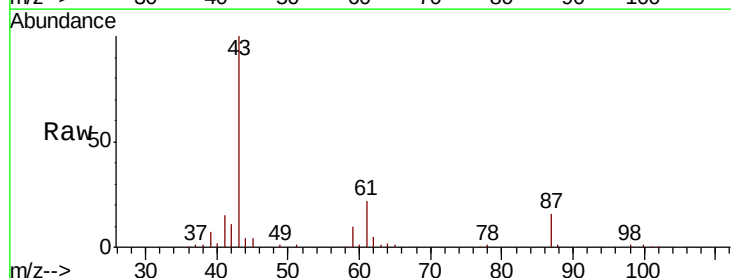
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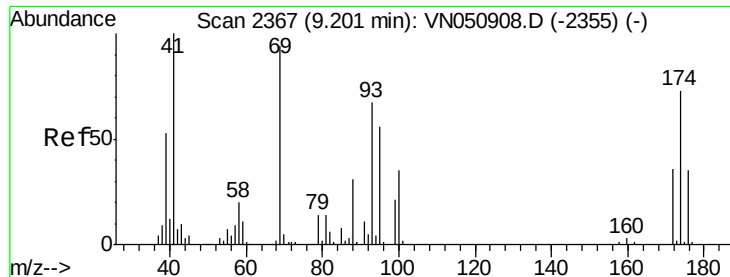
MMDadoda
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#44
Isopropyl Acetate
Concen: 14.559 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN051363.D
Acq: 21 Sep 2018 12:19

Tgt Ion: 43 Resp: 161888
Ion Ratio Lower Upper
43 100
61 32.8 16.3 24.5#





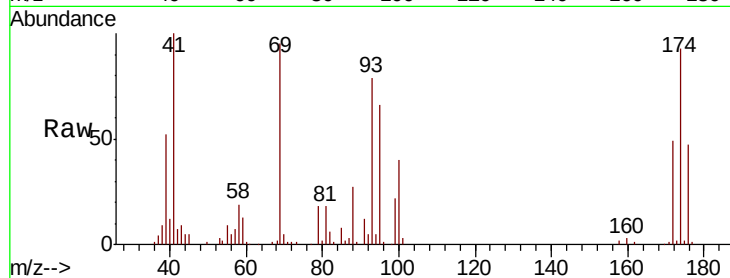
#45
 1,4-Dioxane
 Concen: 277.718 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN051363.D
 Acq: 21 Sep 2018 12:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD01

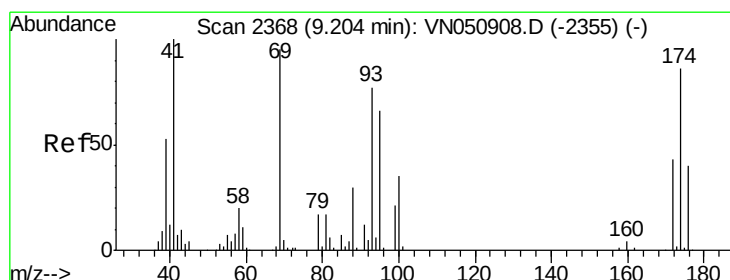
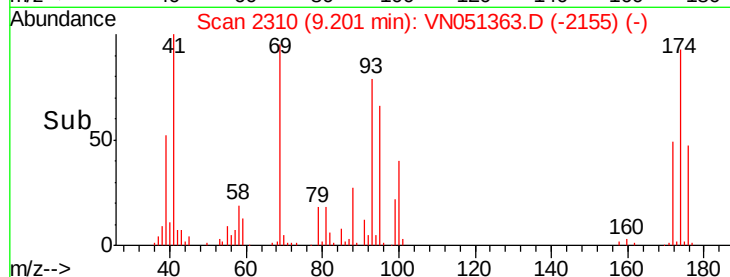
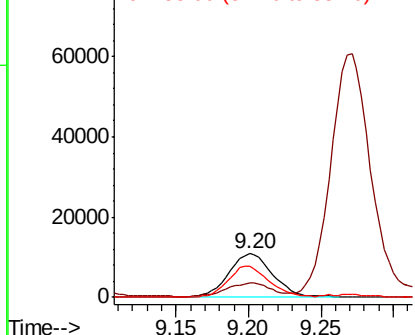
Tgt Ion: 88 Resp: 22940
 Ion Ratio Lower Upper
 88 100
 43 35.4 23.5 35.3#
 58 66.1 55.2 82.8

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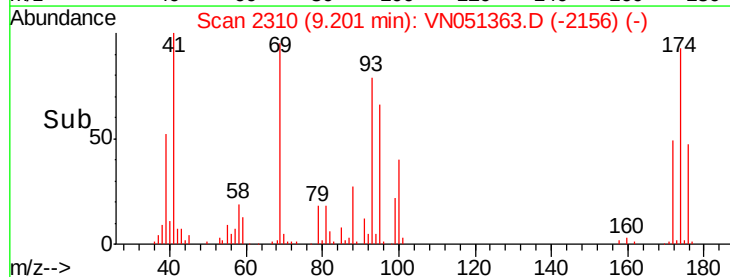
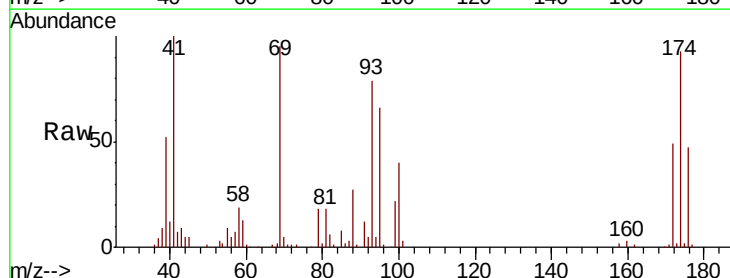
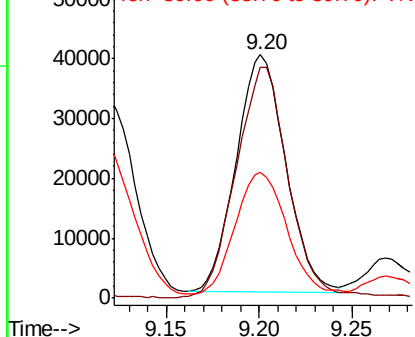
Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

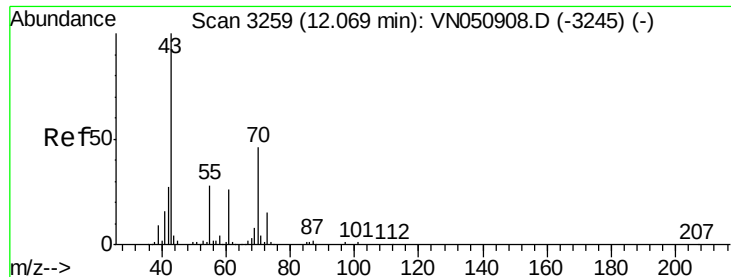


#46
 Methyl methacrylate
 Concen: 13.315 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN051363.D
 Acq: 21 Sep 2018 12:19

Tgt Ion: 41 Resp: 74150
 Ion Ratio Lower Upper
 41 100
 69 96.6 47.4 142.2
 39 51.7 26.6 79.7

Abundance Ion 41.00 (40.70 to 41.70): VN0
 Ion 69.00 (68.70 to 69.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





#47

n-amyl Acetate

Concen: 12.844 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051363.D

Acq: 21 Sep 2018 12:19

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBSD01

Tgt Ion: 43 Resp: 114829

Ion Ratio Lower Upper

43 100

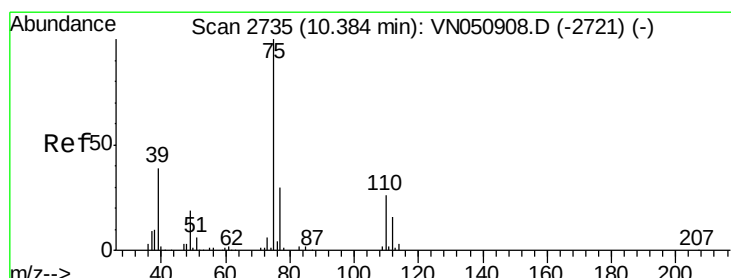
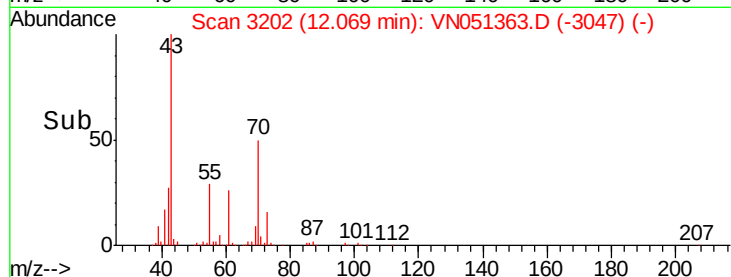
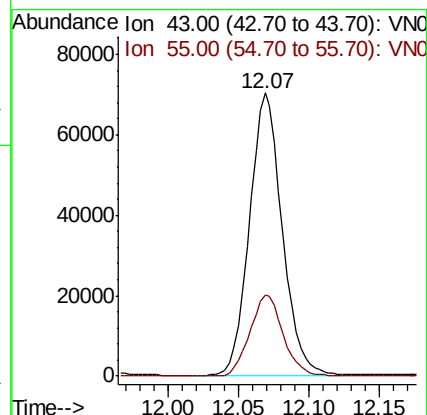
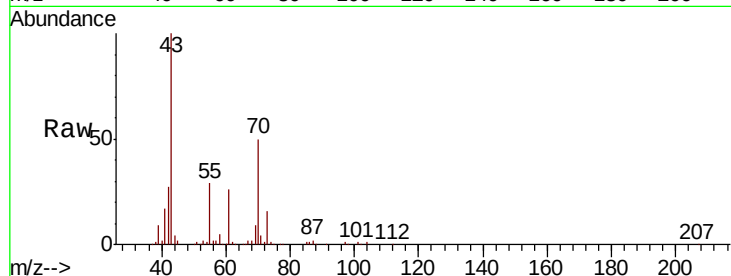
55 28.9 23.0 34.4

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#48

t-1,3-Dichloropropene

Concen: 16.784 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN051363.D

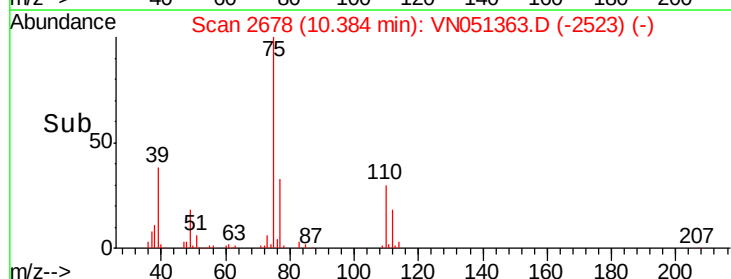
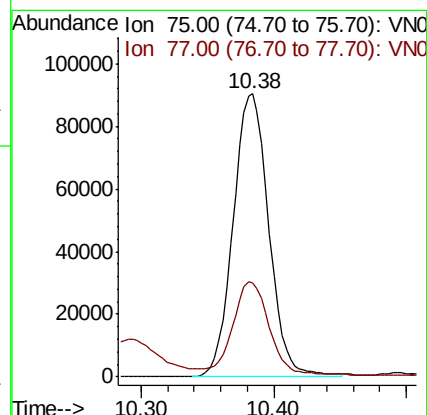
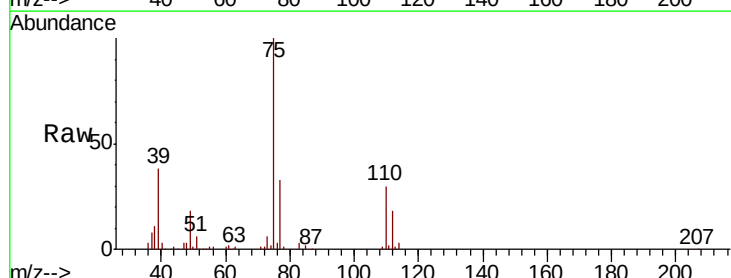
Acq: 21 Sep 2018 12:19

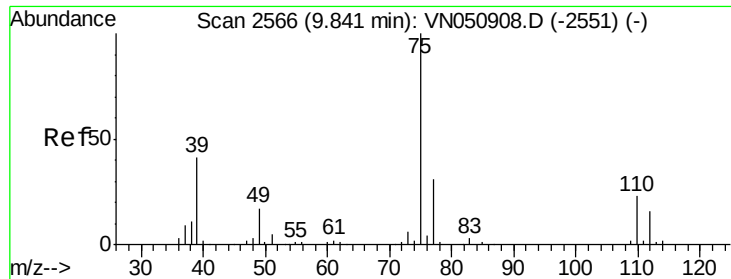
Tgt Ion: 75 Resp: 168783

Ion Ratio Lower Upper

75 100

77 31.9 24.8 37.2





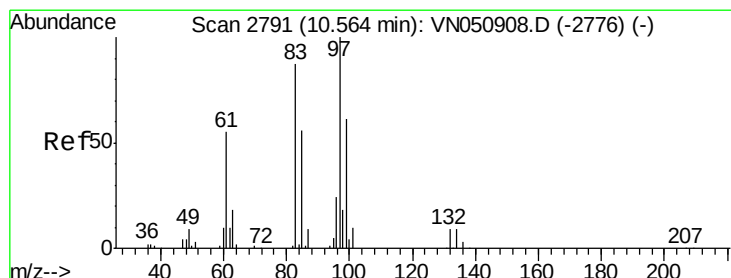
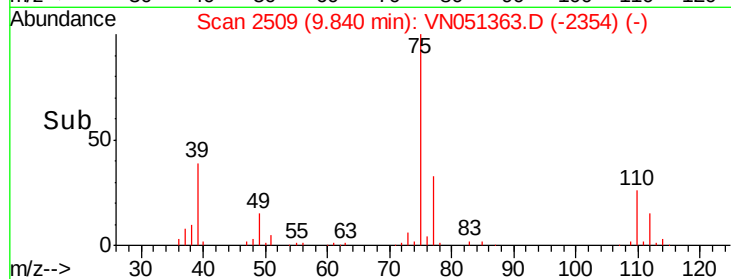
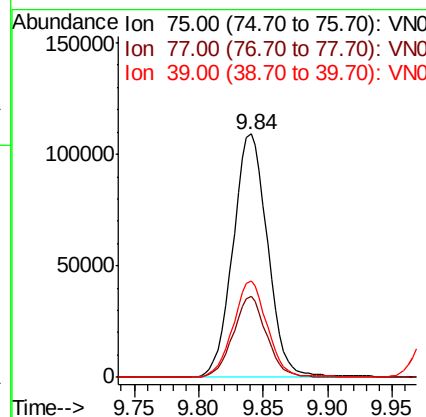
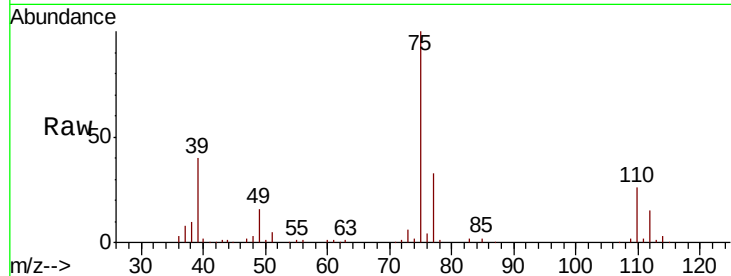
#49
 cis-1,3-Dichloropropene
 Concen: 17.633 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN051363.D
 Acq: 21 Sep 2018 12:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	203700		
77	33.3	25.0	37.4	
39	39.4	32.9	49.3	

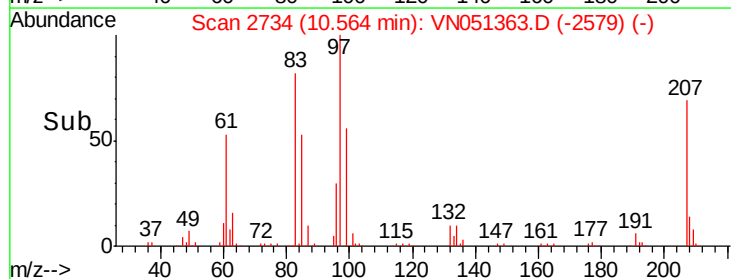
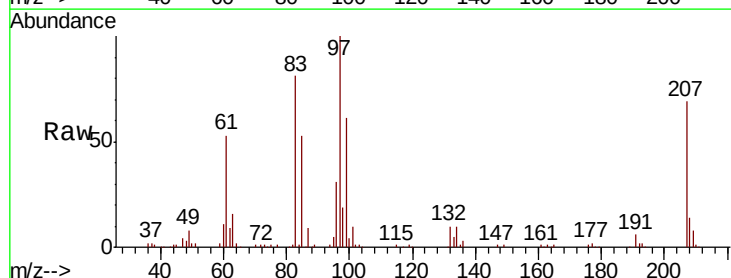
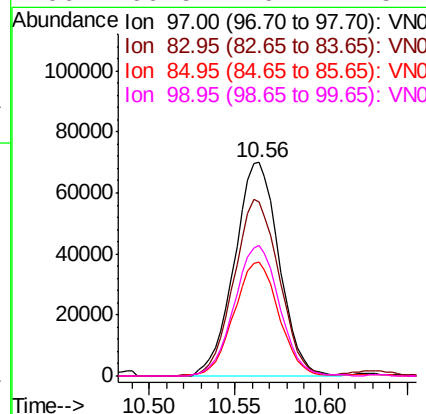
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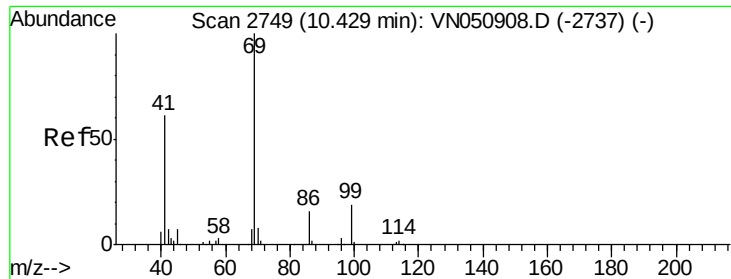
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#50
 1,1,2-Trichloroethane
 Concen: 17.850 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN051363.D
 Acq: 21 Sep 2018 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	126224		
83	80.7	69.8	104.6	
85	52.7	45.0	67.6	
99	60.5	49.1	73.7	





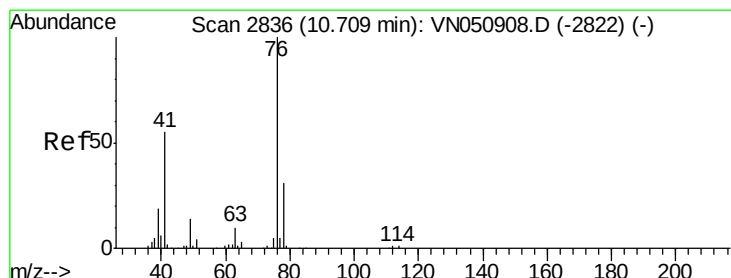
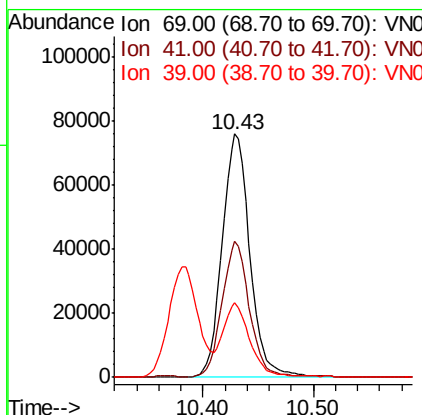
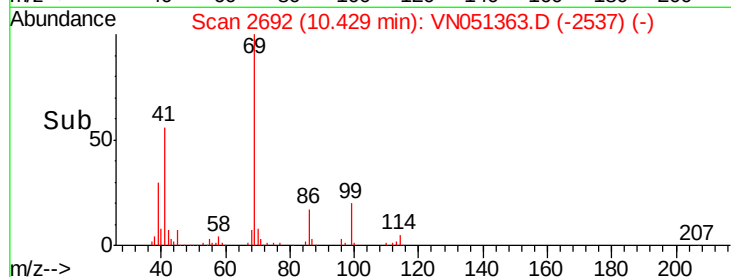
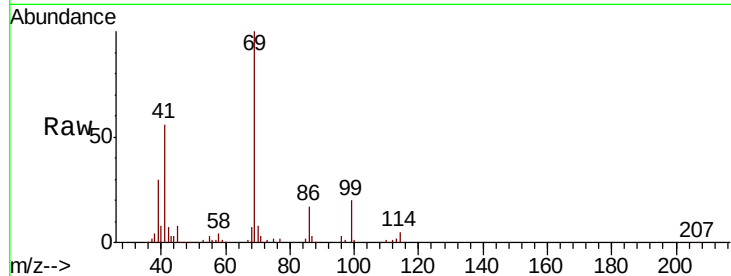
#51
 Ethyl methacrylate
 Concen: 15.300 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051363.D
 Acq: 21 Sep 2018 12:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD01

Tgt Ion	Ratio	Lower	Upper
69	100		
41	55.6	30.5	91.5
39	30.1	15.3	45.8

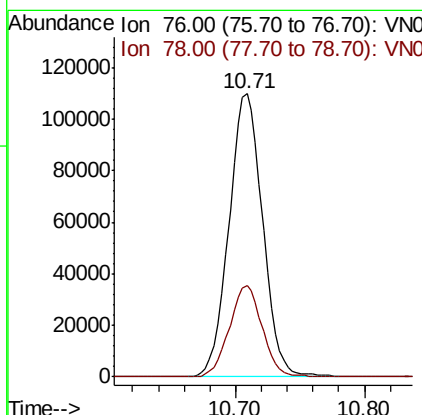
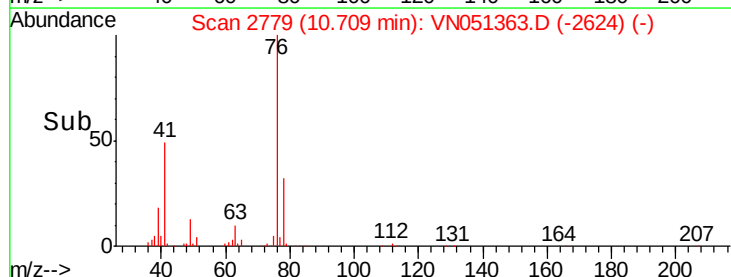
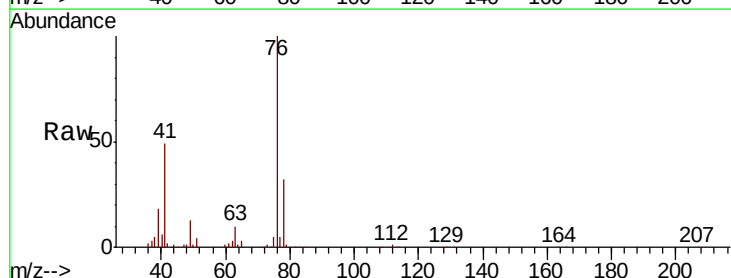
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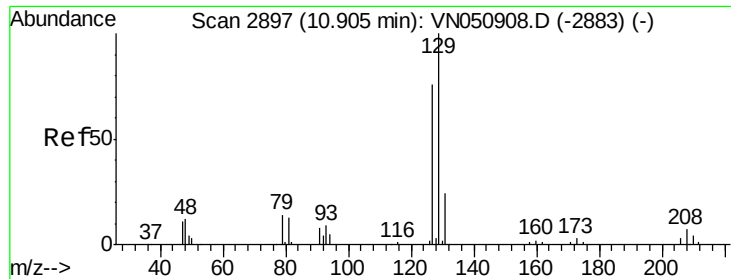
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 9/25/2018 10:53:33 AM



#52
 1,3-Dichloropropane
 Concen: 16.971 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN051363.D
 Acq: 21 Sep 2018 12:19

Tgt Ion	Ratio	Lower	Upper
76	100		
78	31.6	0.0	63.4





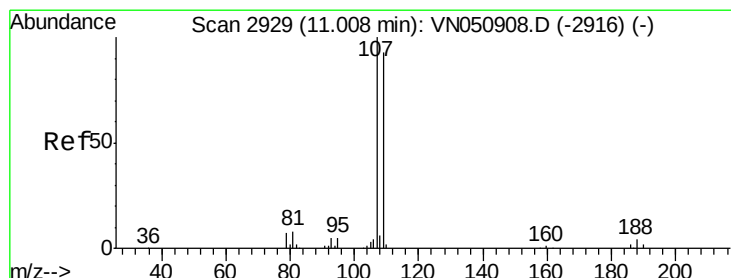
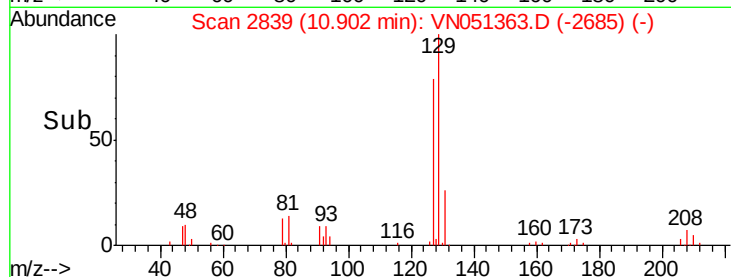
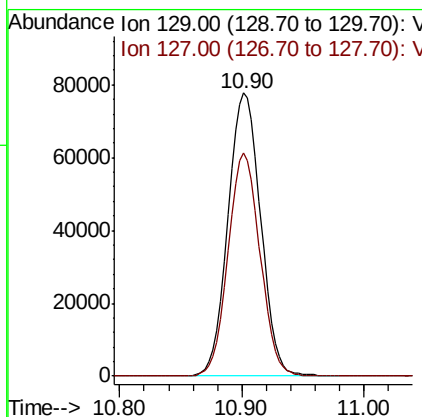
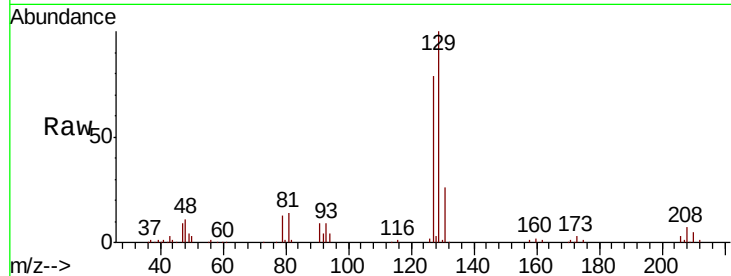
#53
Dibromochloromethane
Concen: 18.066 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051363.D
Acq: 21 Sep 2018 12:19

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD01

Tgt Ion:129 Resp: 145261
Ion Ratio Lower Upper
129 100
127 77.0 39.0 116.9

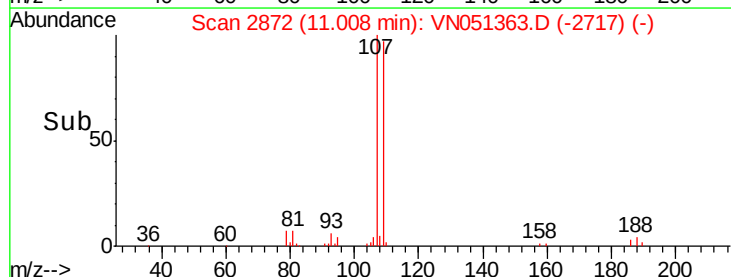
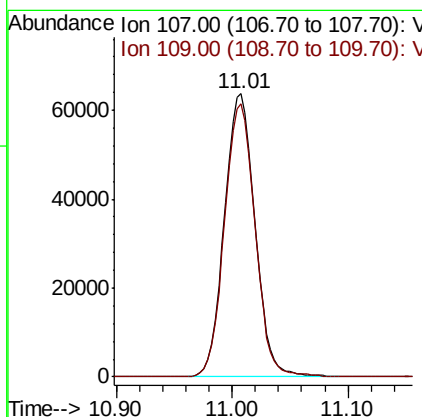
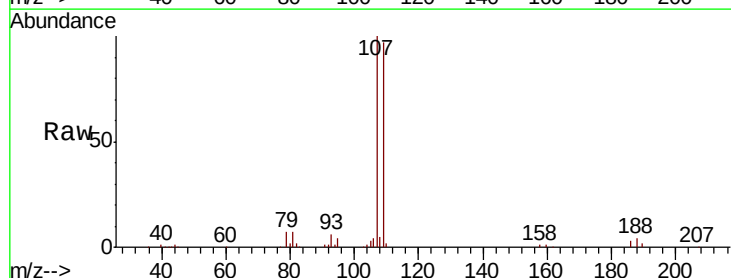
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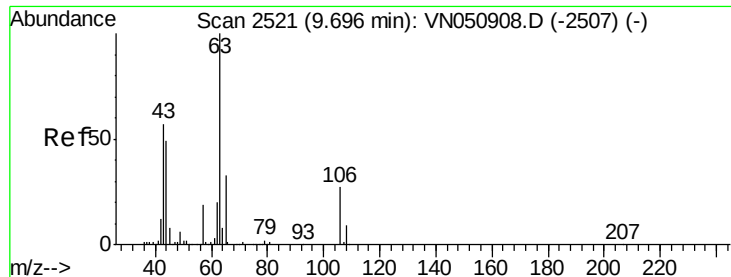
MMDadoda
9/25/2018 10:53:33 AM



#54
1,2-Dibromoethane
Concen: 16.639 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. -0.00 min
Lab File: VN051363.D
Acq: 21 Sep 2018 12:19

Tgt Ion:107 Resp: 116343
Ion Ratio Lower Upper
107 100
109 96.4 74.4 111.6





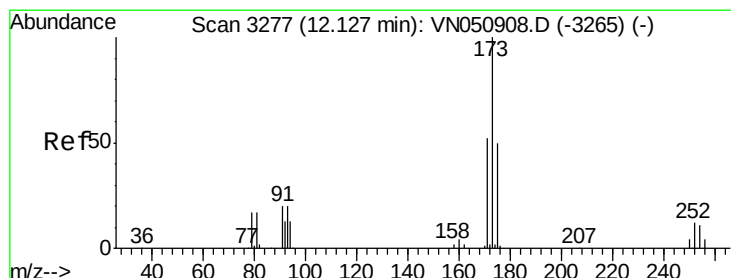
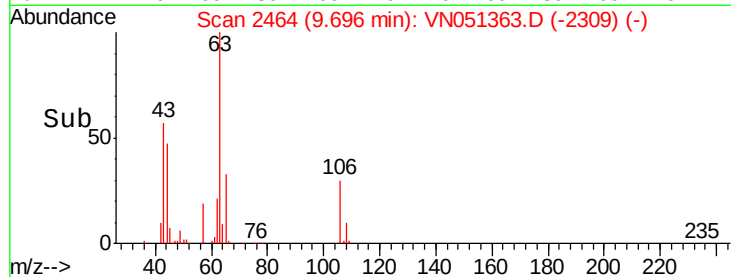
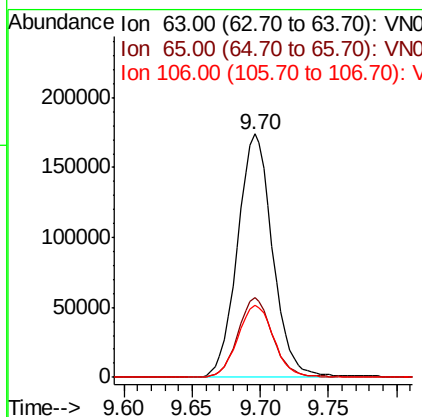
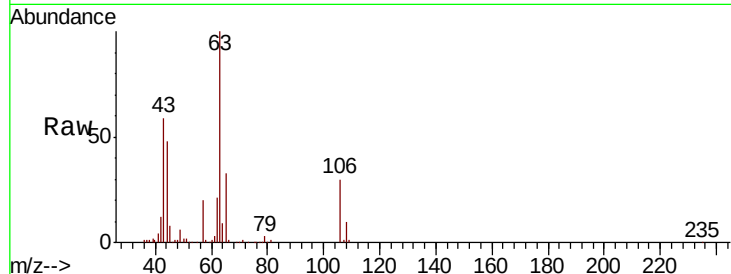
#55
 2-Chloroethyl vinyl ether
 Concen: 86.469 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN051363.D
 Acq: 21 Sep 2018 12:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD01

Tgt Ion:	63	Resp:	311278
Ion	Ratio	Lower	Upper
63	100		
65	32.3	25.4	38.2
106	30.4	22.0	33.0

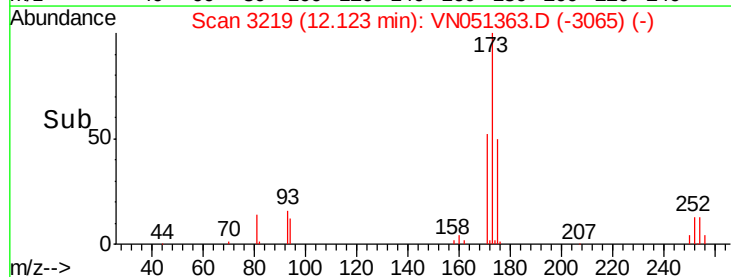
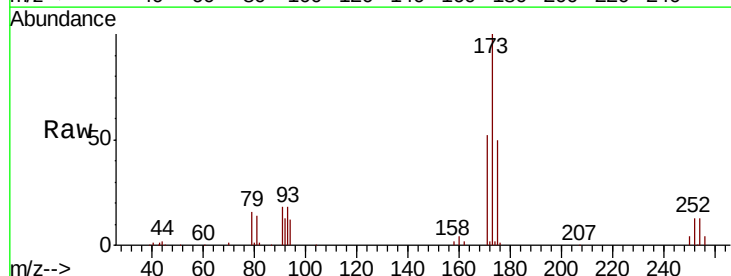
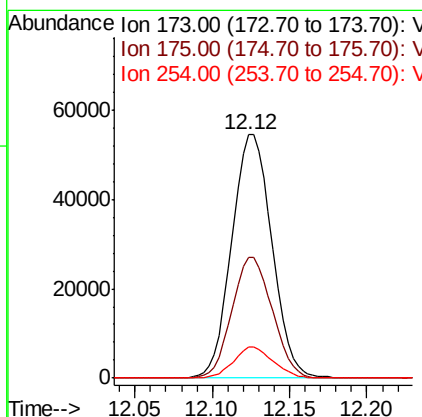
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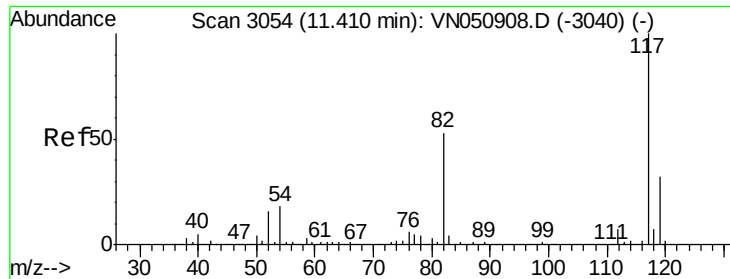
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#56
 Bromoform
 Concen: 17.213 ug/l
 RT: 12.12 min Scan# 3219
 Delta R.T. -0.00 min
 Lab File: VN051363.D
 Acq: 21 Sep 2018 12:19

Tgt Ion:	173	Resp:	98435
Ion	Ratio	Lower	Upper
173	100		
175	49.8	39.2	58.8
254	12.5	9.0	13.6





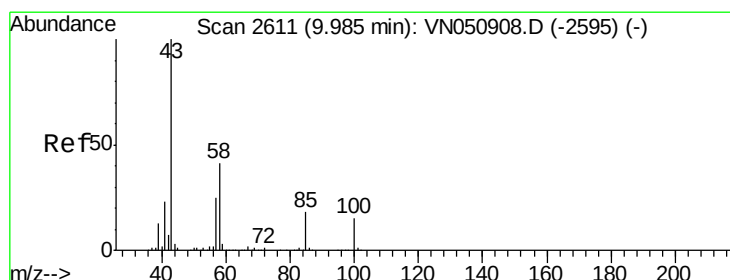
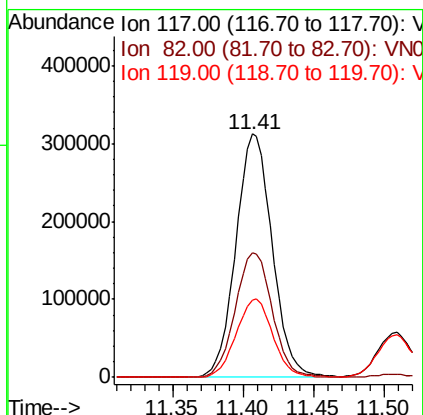
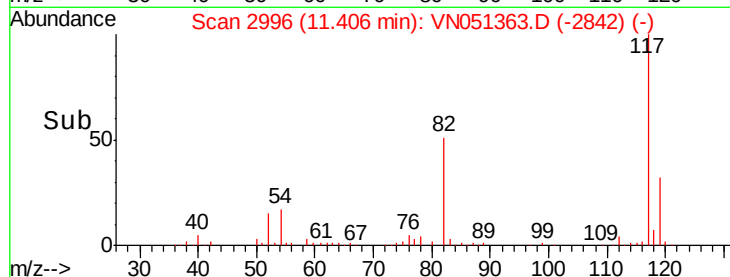
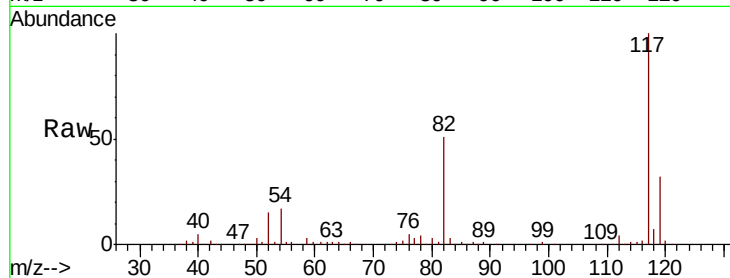
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051363.D
Acq: 21 Sep 2018 12:19

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.1	42.6	64.0
119	32.4	25.7	38.5

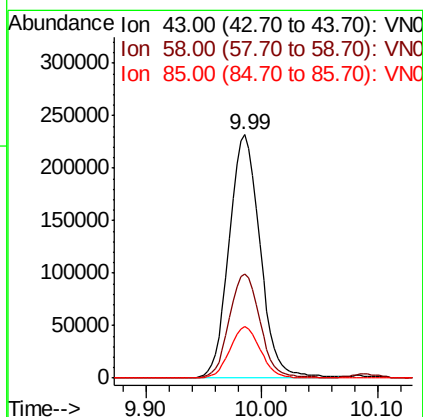
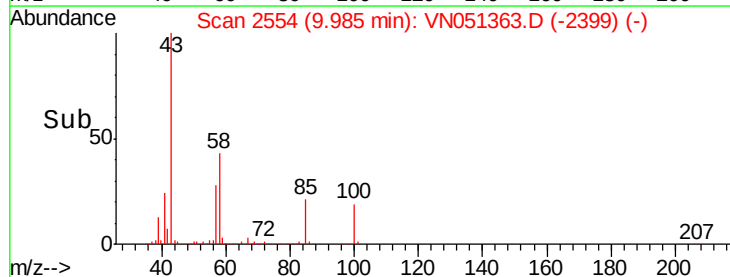
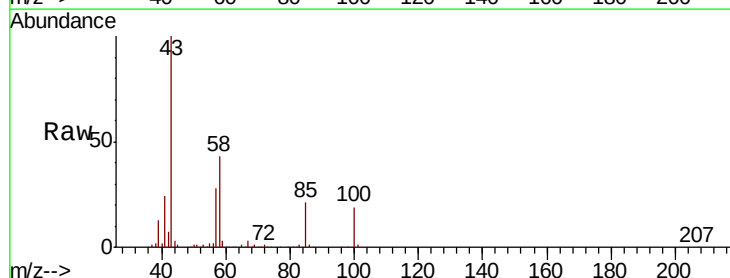
Manual Integrations
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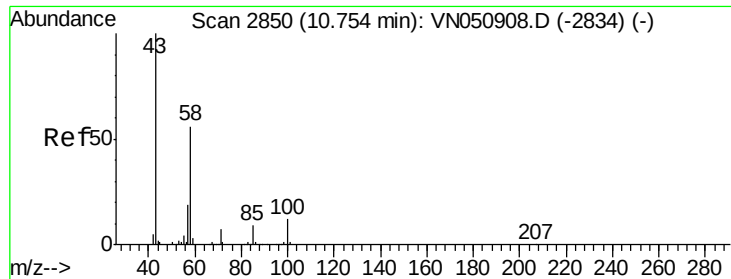
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#58
4-Methyl-2-Pentanone
Concen: 65.996 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN051363.D
Acq: 21 Sep 2018 12:19

Tgt Ion	Ratio	Lower	Upper
43	100		
58	43.0	32.3	48.5
85	20.8	14.9	22.3





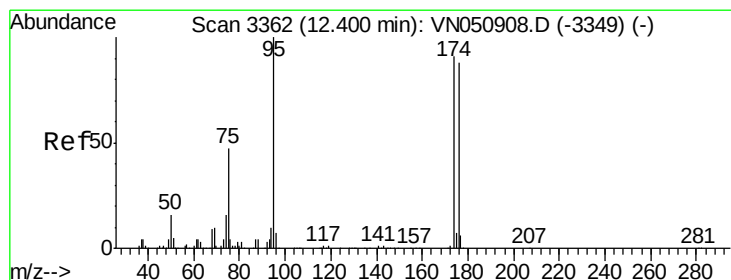
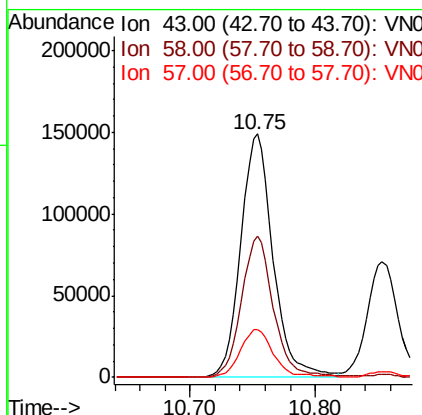
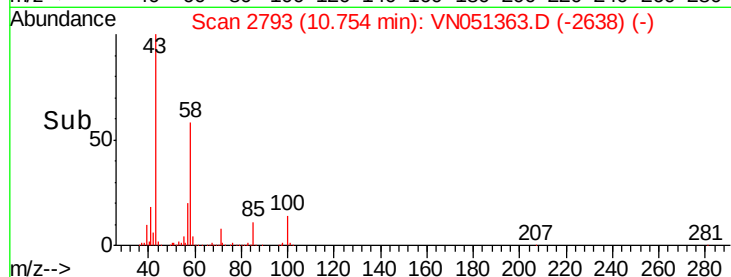
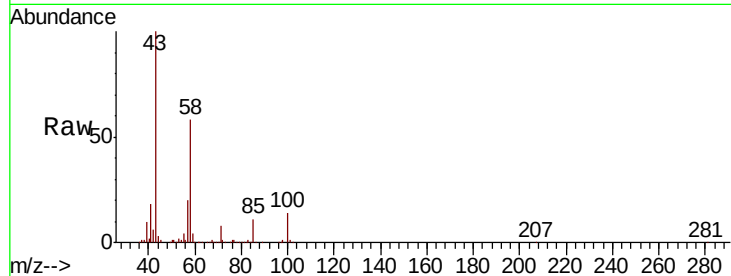
#59
 2-Hexanone
 Concen: 63.047 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. -0.00 min
 Lab File: VN051363.D
 Acq: 21 Sep 2018 12:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	57.8	45.5	68.3
57	20.3	15.2	22.8

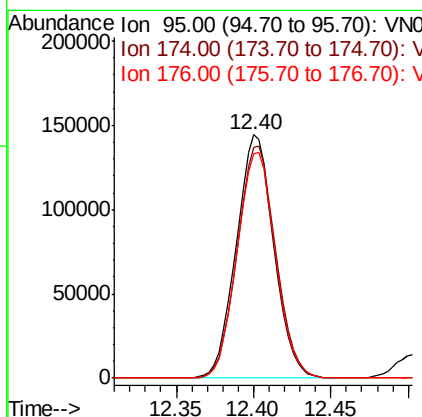
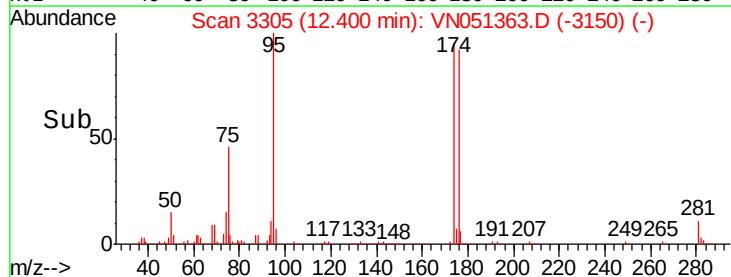
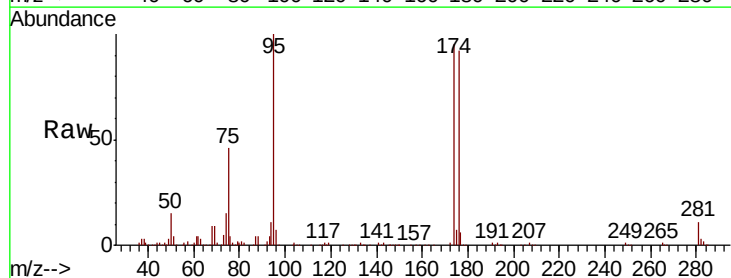
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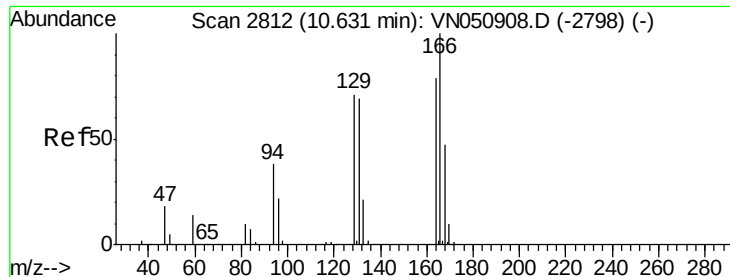
MMDadoda
 9/25/2018 10:53:33 AM



#60
 4-Bromofluorobenzene
 Concen: 28.943 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN051363.D
 Acq: 21 Sep 2018 12:19

Tgt Ion	Ratio	Lower	Upper
95	100		
174	97.8	74.6	112.0
176	95.1	71.5	107.3





#61

Tetrachloroethene

Concen: 20.056 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN051363.D

Acq: 21 Sep 2018 12:19

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBSD01

Tgt Ion: 164 Resp: 141166

Ion Ratio Lower Upper

164 100

166 129.1 100.6 151.0

129 88.4 71.0 106.6

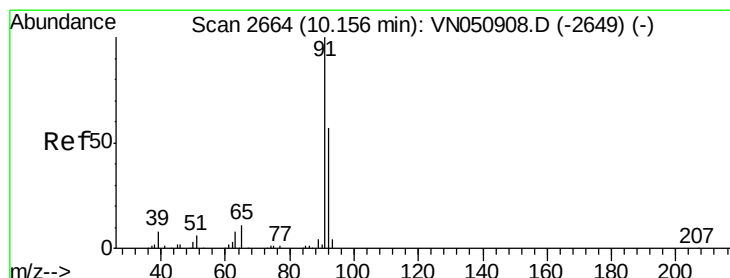
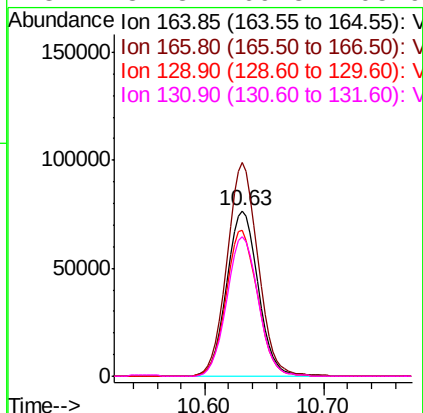
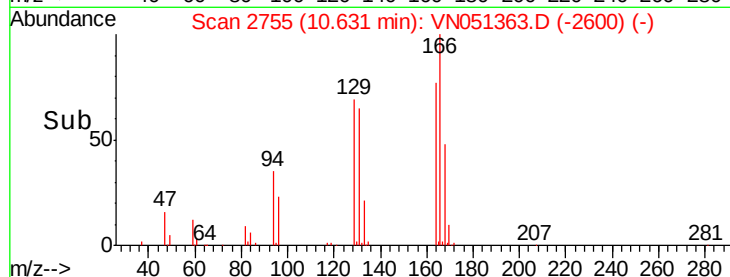
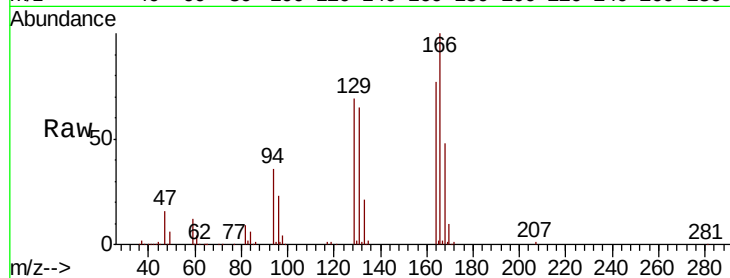
131 84.3 69.3 103.9

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#62

Toluene

Concen: 18.611 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051363.D

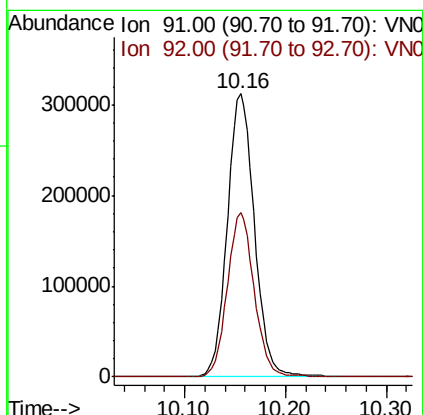
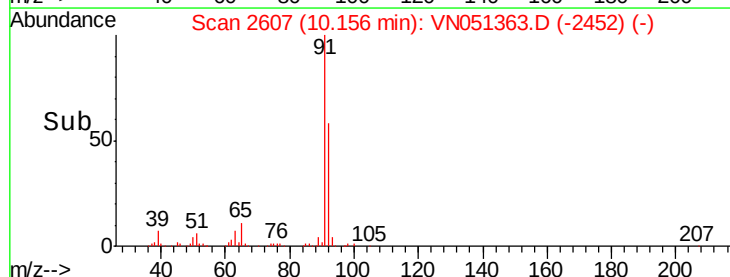
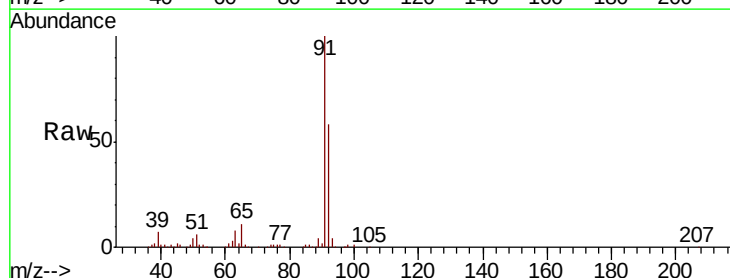
Acq: 21 Sep 2018 12:19

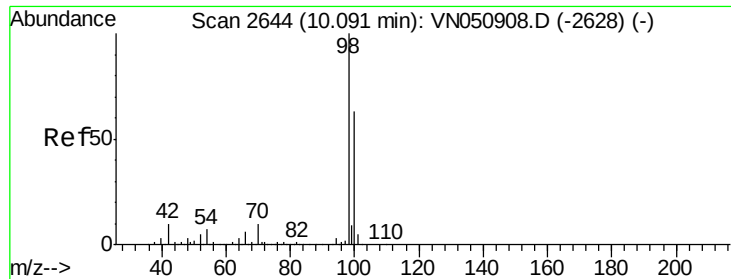
Tgt Ion: 91 Resp: 586482

Ion Ratio Lower Upper

91 100

92 57.2 45.8 68.8





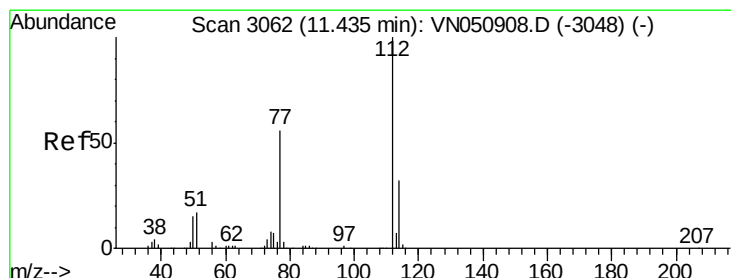
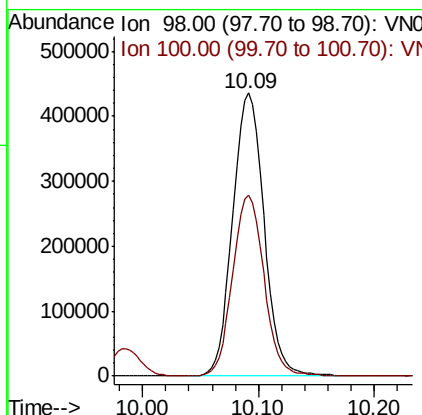
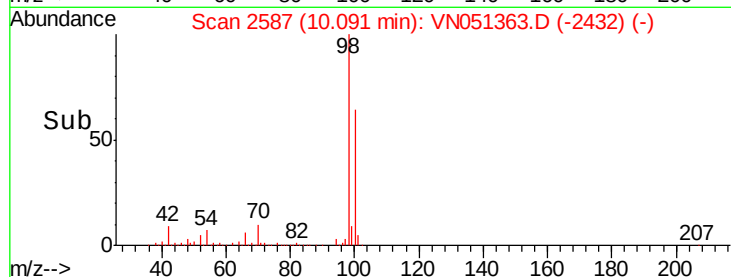
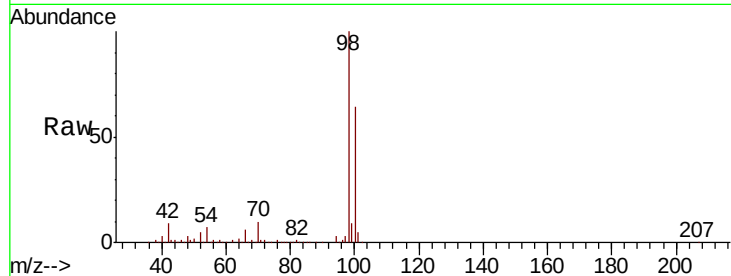
#63
Toluene-d8
Concen: 31.066 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051363.D
Acq: 21 Sep 2018 12:19

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD01

Tgt Ion: 98 Resp: 818310
Ion Ratio Lower Upper
98 100
100 63.9 50.6 75.8

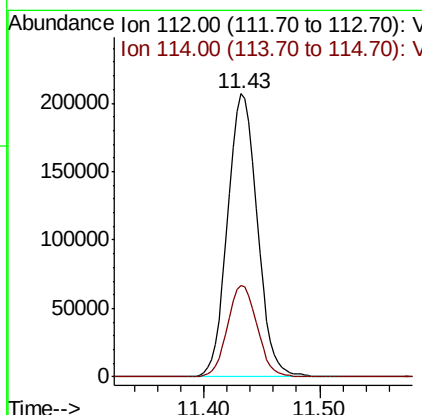
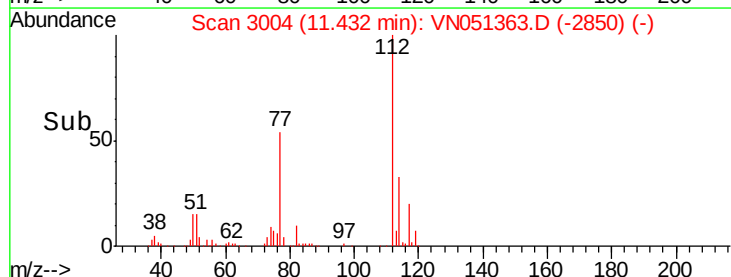
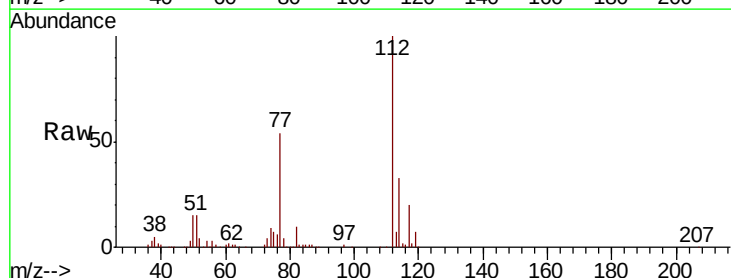
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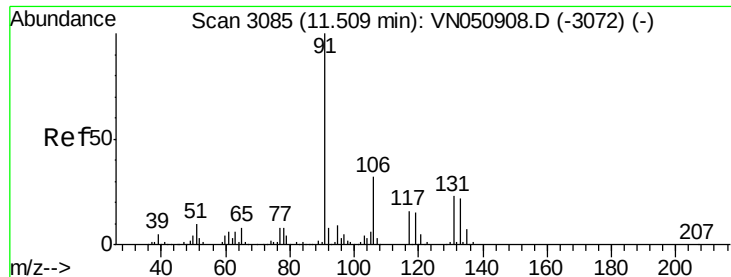
MMDadoda
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#64
Chlorobenzene
Concen: 18.774 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051363.D
Acq: 21 Sep 2018 12:19

Tgt Ion: 112 Resp: 366669
Ion Ratio Lower Upper
112 100
114 32.5 25.5 38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 19.829 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN051363.D

Acq: 21 Sep 2018 12:19

Instrument :

MSVOA_N

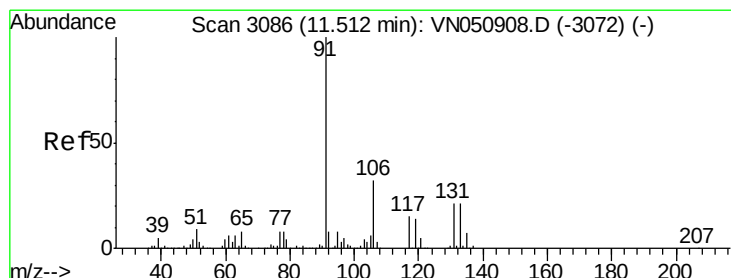
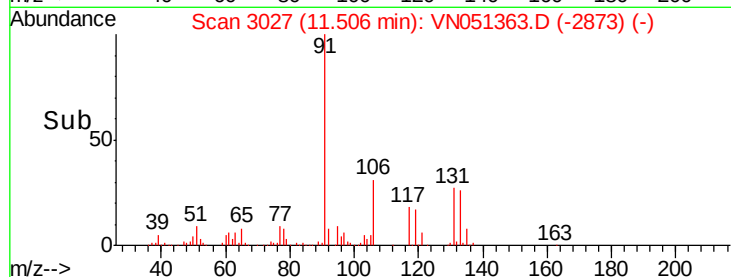
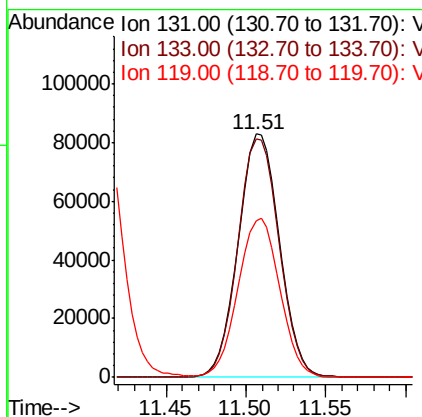
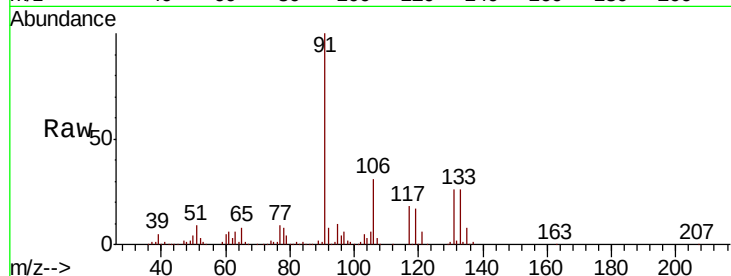
ClientSampleId :

VN0921WBSD01

Tgt Ion:	131	Resp:	146220
Ion Ratio	Lower	Upper	
131	100		
133	98.1	0.0	189.4
119	65.9	0.0	132.2

Manual Integrations
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#66

Ethyl Benzene

Concen: 17.880 ug/l

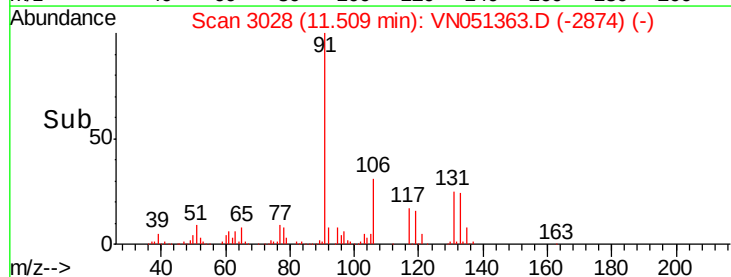
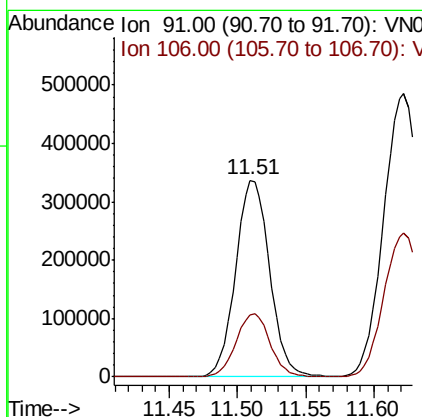
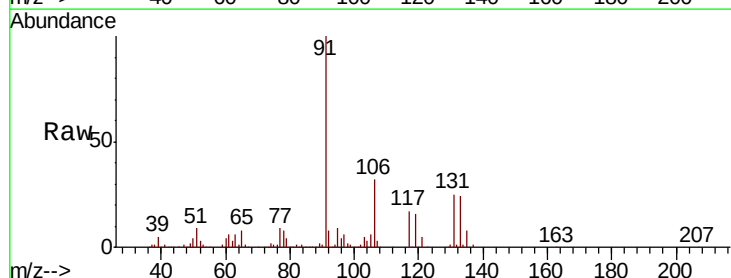
RT: 11.51 min Scan# 3028

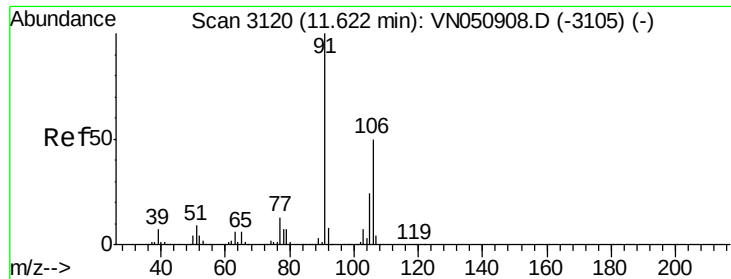
Delta R.T. -0.00 min

Lab File: VN051363.D

Acq: 21 Sep 2018 12:19

Tgt Ion:	91	Resp:	583620
Ion Ratio	Lower	Upper	
91	100		
106	31.6	25.7	38.5





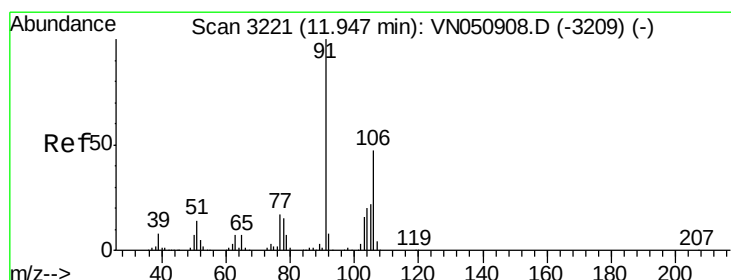
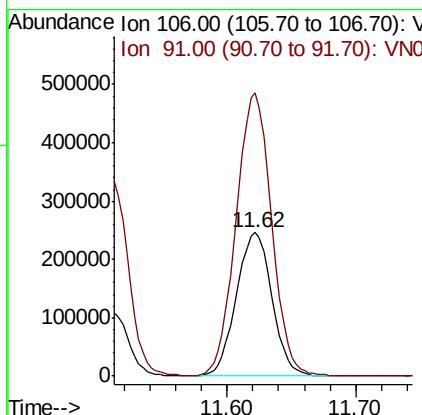
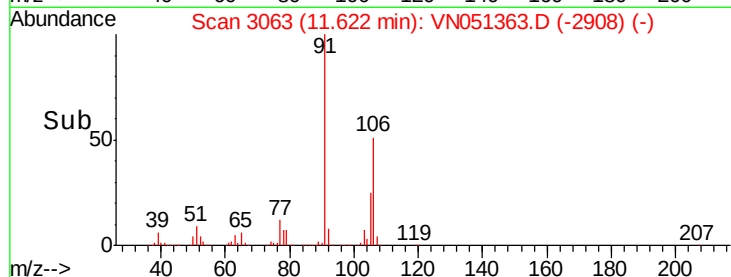
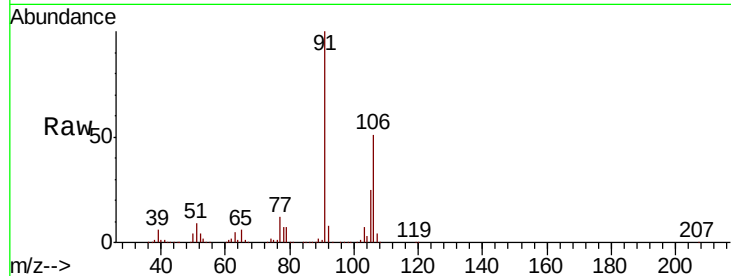
#67
m/p-Xylenes
Concen: 37.531 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051363.D
Acq: 21 Sep 2018 12:19

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD01

Tgt Ion:106 Resp: 471357
Ion Ratio Lower Upper
106 100
91 197.5 160.6 241.0

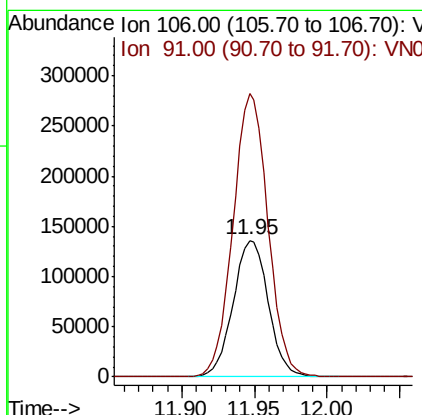
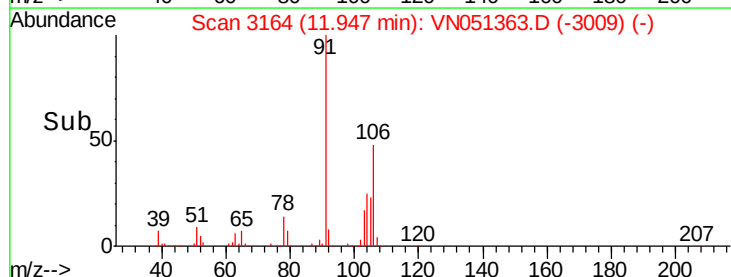
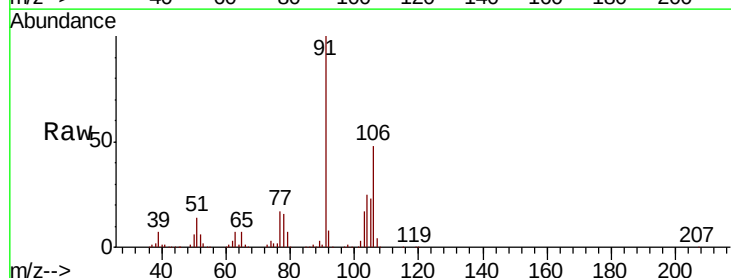
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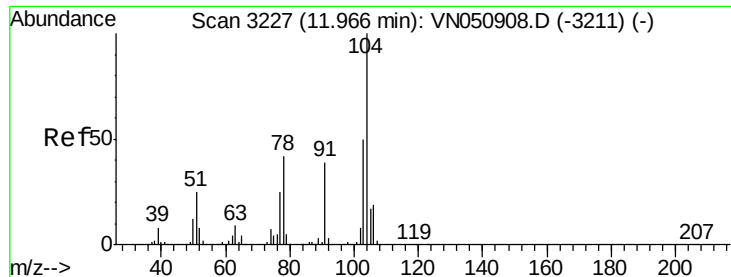
MMDadoda
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#68
o-Xylene
Concen: 19.015 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051363.D
Acq: 21 Sep 2018 12:19

Tgt Ion:106 Resp: 228179
Ion Ratio Lower Upper
106 100
91 206.8 106.4 319.2





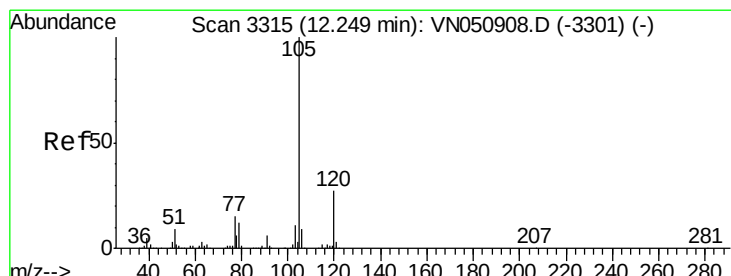
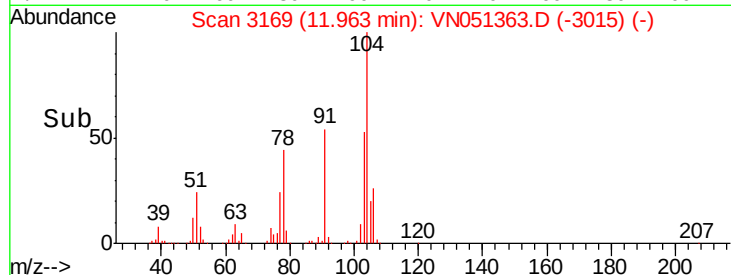
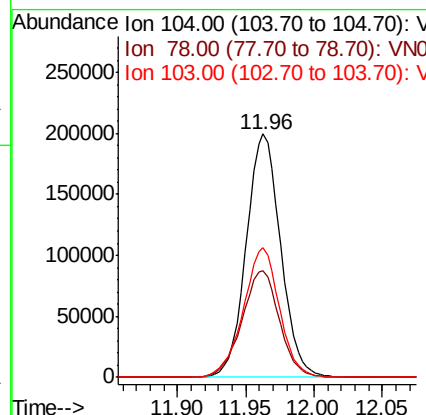
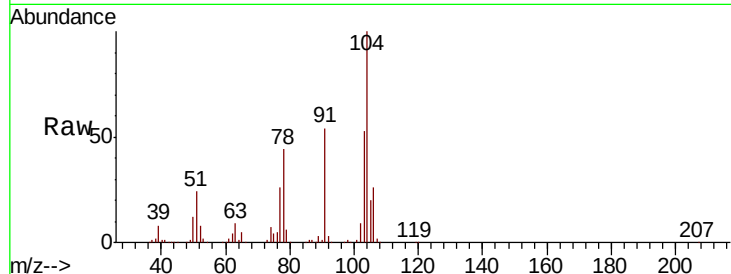
#69
Styrene
 Concen: 18.334 ug/l
 RT: 11.96 min Scan# 3169
 Delta R.T. -0.00 min
 Lab File: VN051363.D
 Acq: 21 Sep 2018 12:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	349812		
78	47.8	38.6	58.0	
103	55.9	45.4	68.2	

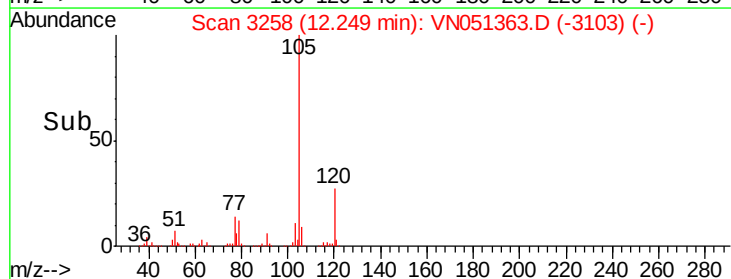
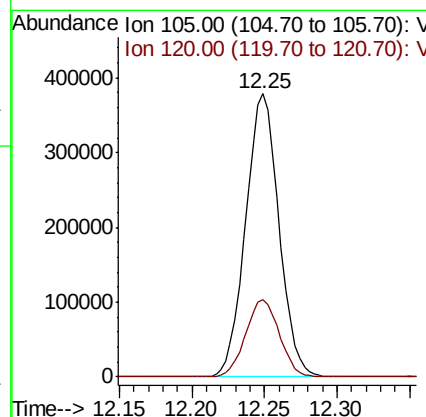
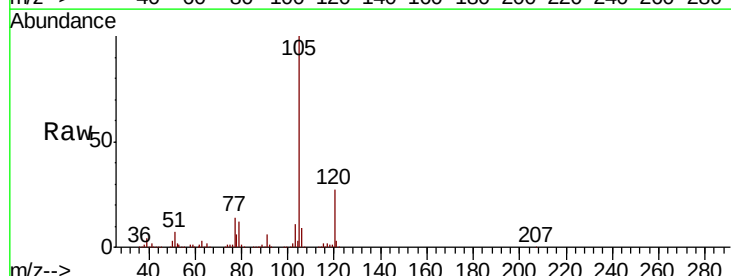
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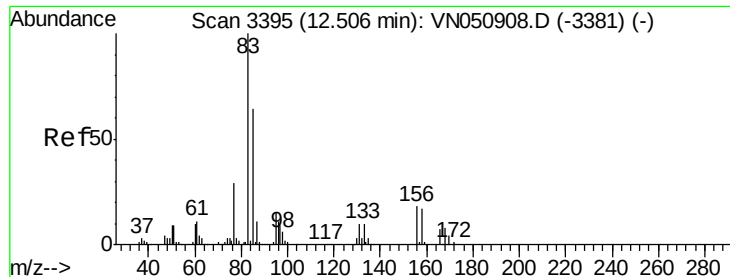
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#70
Isopropylbenzene
 Concen: 18.992 ug/l
 RT: 12.25 min Scan# 3258
 Delta R.T. -0.00 min
 Lab File: VN051363.D
 Acq: 21 Sep 2018 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	605624		
120	27.7	18.6	34.6	





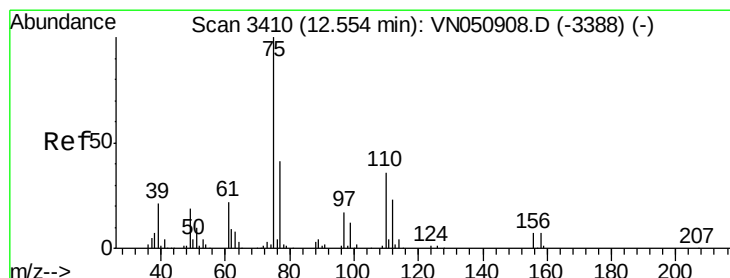
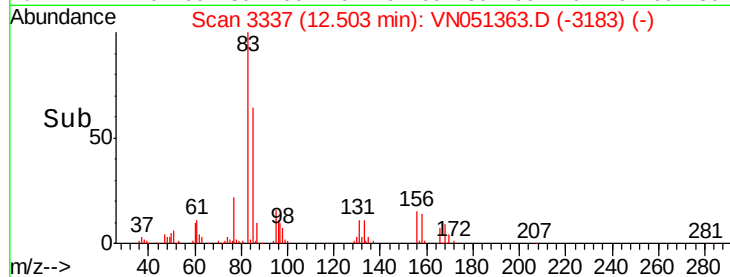
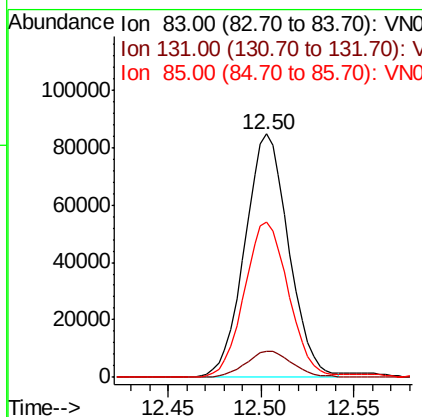
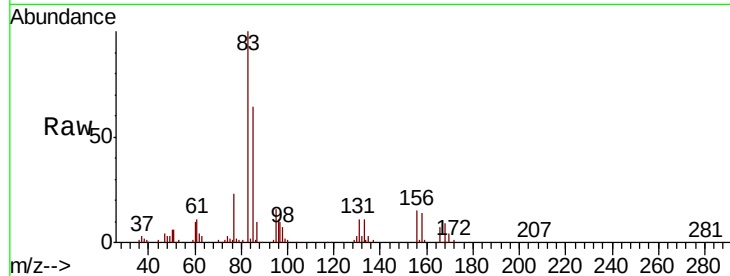
#71
 1,1,2,2-Tetrachloroethane
 Concen: 16.208 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN051363.D
 Acq: 21 Sep 2018 12:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	139937		
131	11.3	5.3	15.9	
85	64.4	32.3	96.9	

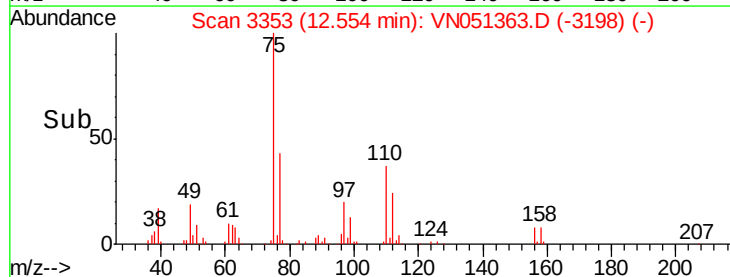
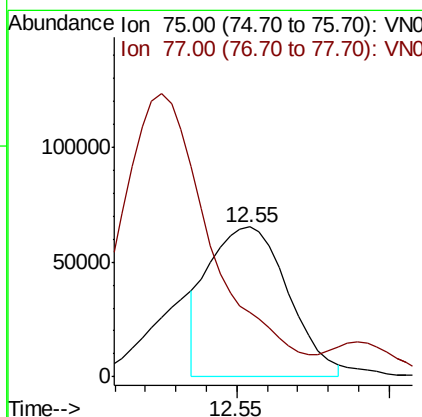
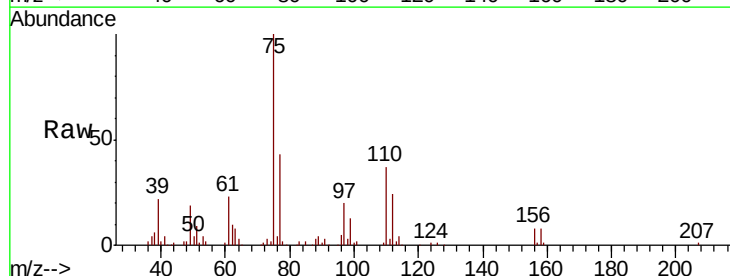
Manual Integrations
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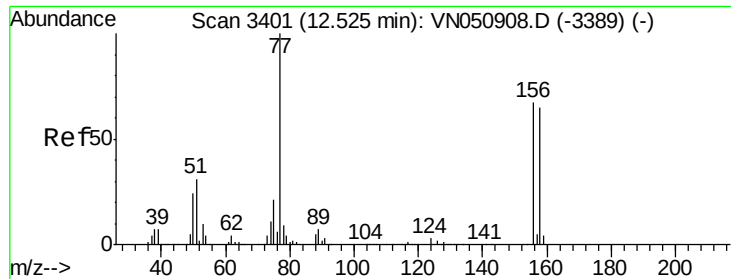
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#72
 1,2,3-Trichloropropane
 Concen: 15.869 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN051363.D
 Acq: 21 Sep 2018 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	118199		
77	216.4	0.0	301.6	





#73

Bromobenzene

Concen: 18.943 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051363.D

Acq: 21 Sep 2018 12:19

Instrument :

MSVOA_N

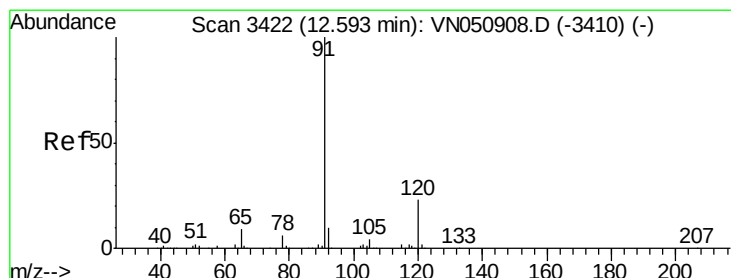
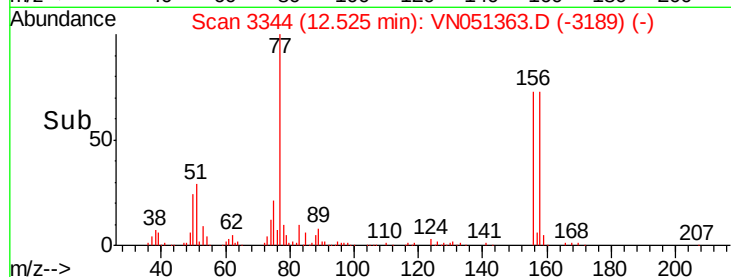
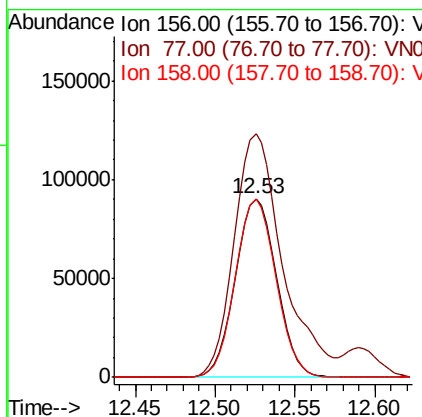
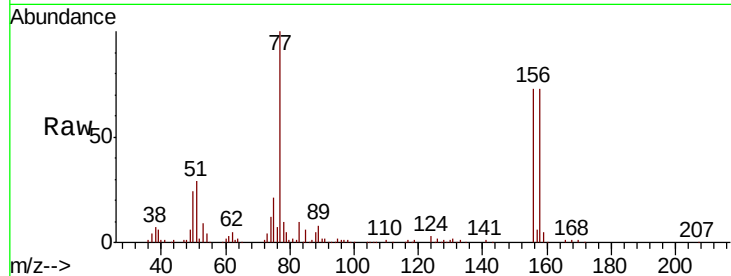
ClientSampleId :

VN0921WBSD01

Tgt Ion:	156	Resp:	158929
Ion Ratio	Lower	Upper	
156	100		
77	161.0	0.0	359.4
158	98.4	0.0	194.6

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#74

n-propylbenzene

Concen: 18.078 ug/l

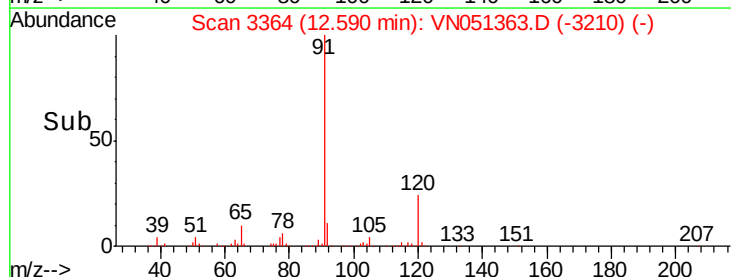
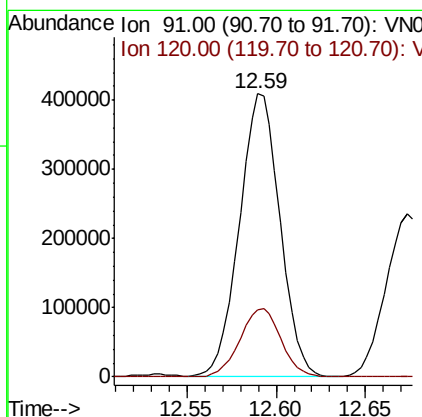
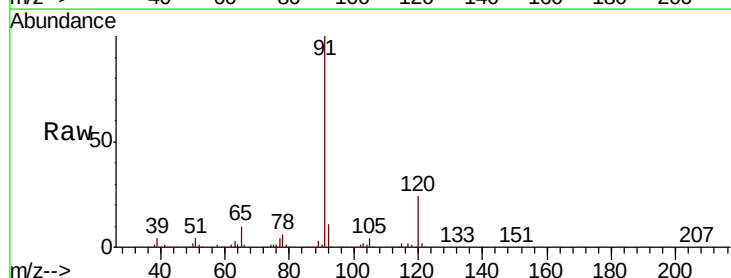
RT: 12.59 min Scan# 3364

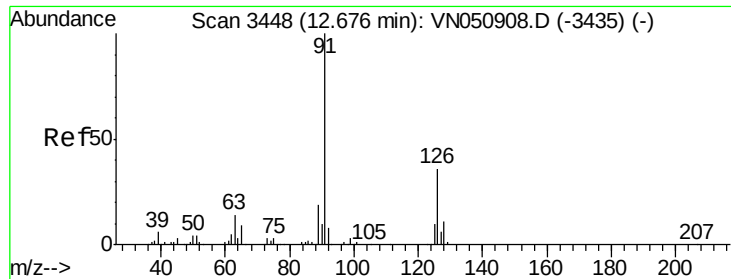
Delta R.T. -0.00 min

Lab File: VN051363.D

Acq: 21 Sep 2018 12:19

Tgt Ion:	91	Resp:	651729
Ion Ratio	Lower	Upper	
91	100		
120	24.3	0.0	46.0





#75

2-Chlorotoluene

Concen: 18.391 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051363.D

Acq: 21 Sep 2018 12:19

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBSD01

Tgt Ion: 91 Resp: 402791

Ion Ratio Lower Upper

91 100

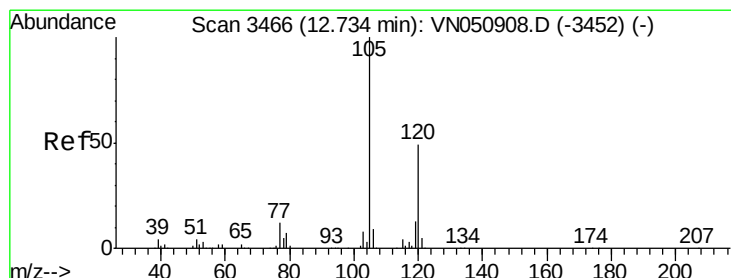
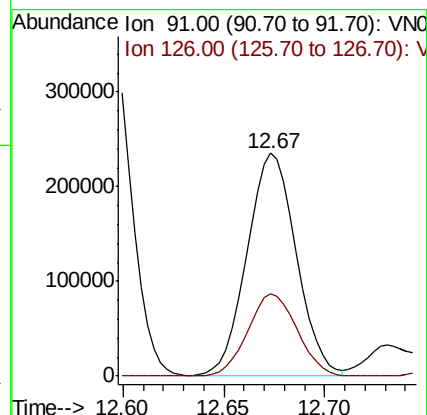
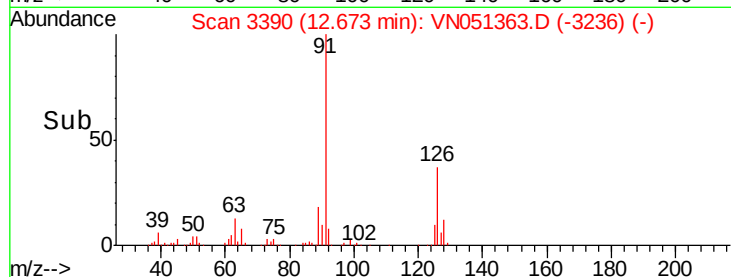
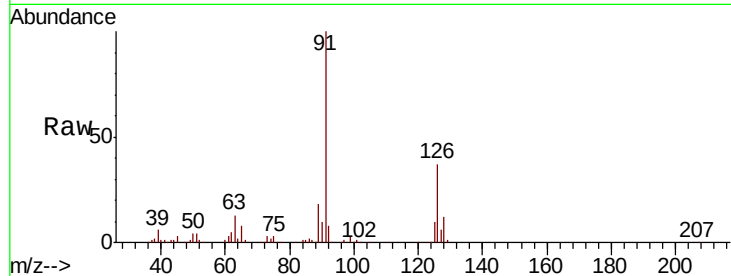
126 37.0 0.0 71.8

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#76

1,3,5-Trimethylbenzene

Concen: 19.401 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051363.D

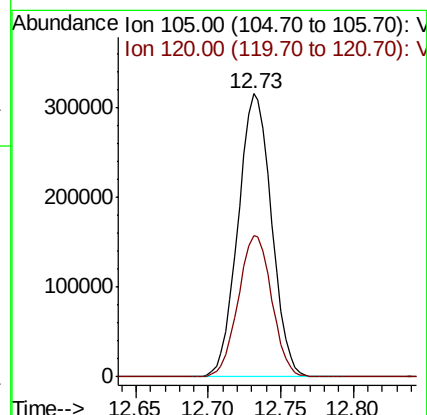
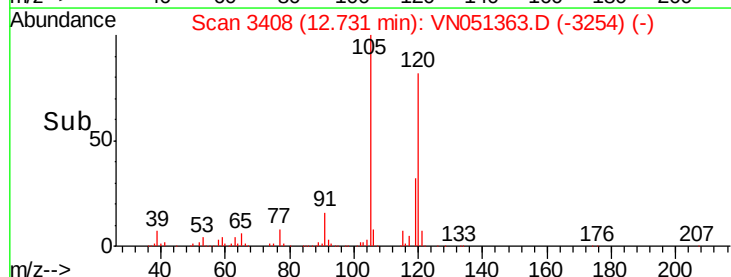
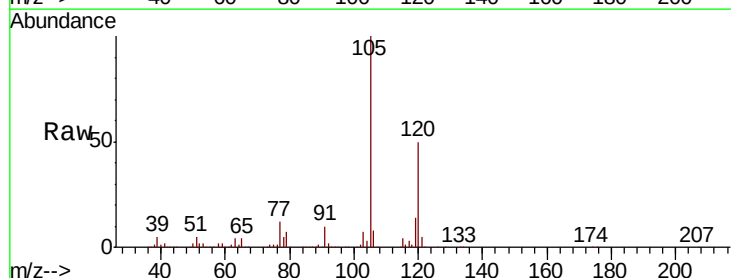
Acq: 21 Sep 2018 12:19

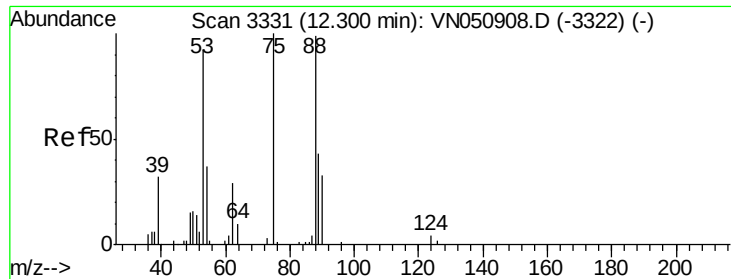
Tgt Ion: 105 Resp: 505570

Ion Ratio Lower Upper

105 100

120 50.1 0.0 99.6





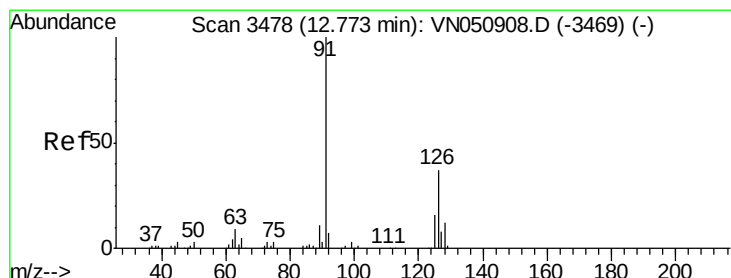
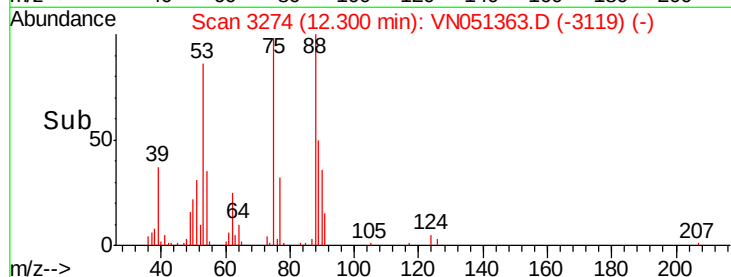
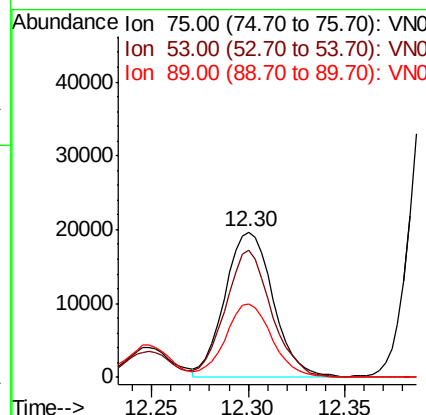
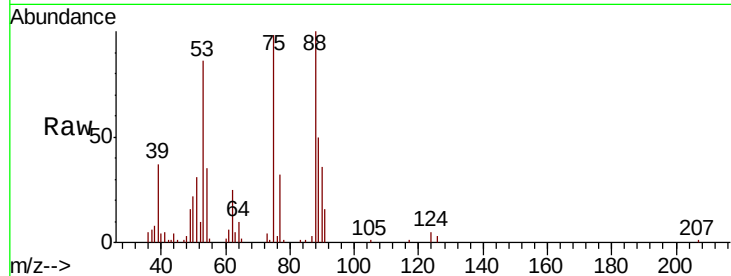
#77
t-1,4-Dichloro-2-butene
Concen: 16.163 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN051363.D
Acq: 21 Sep 2018 12:19

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	87.9	45.5	136.4
89	50.6	21.9	65.8

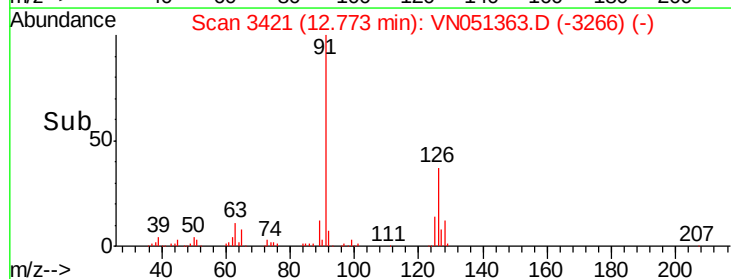
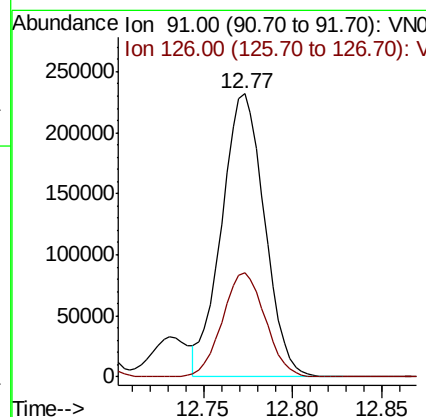
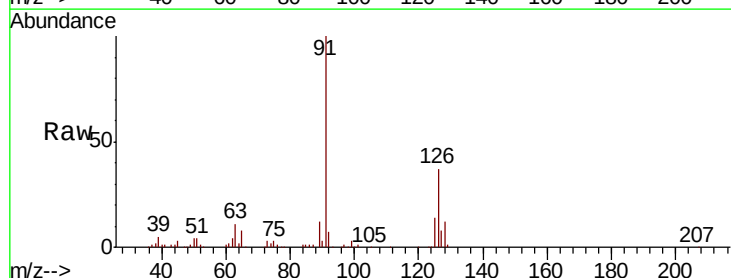
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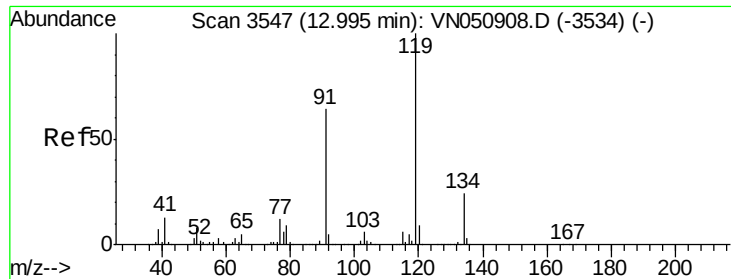
MMDadoda
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#78
4-Chlorotoluene
Concen: 17.993 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN051363.D
Acq: 21 Sep 2018 12:19

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.8	0.0	69.8





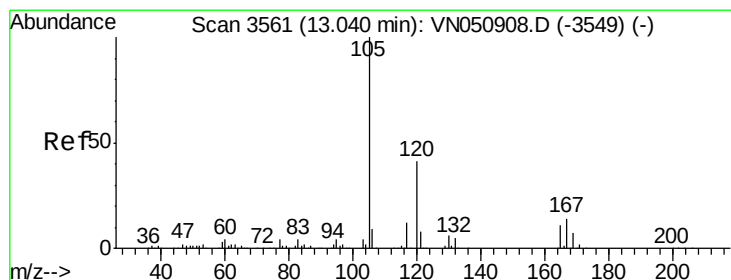
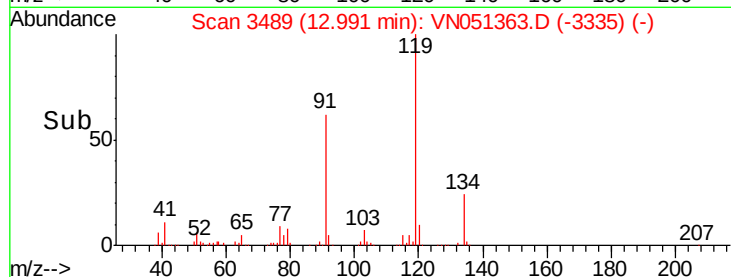
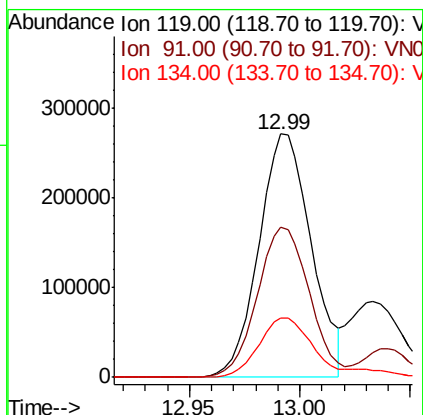
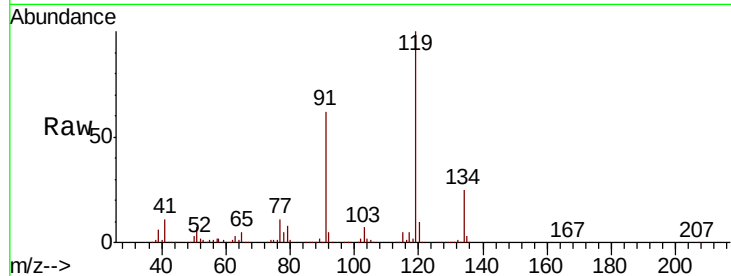
#79
tert-butylbenzene
Concen: 19.765 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN051363.D
Acq: 21 Sep 2018 12:19

Instrument :
MSVOA_N
ClientSampled :
VN0921WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	447301		
91	61.2	0.0	125.6	
134	24.6	0.0	48.4	

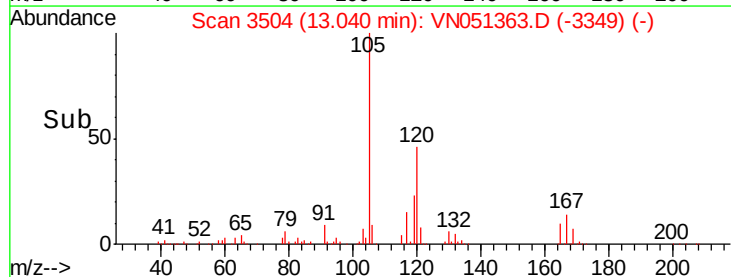
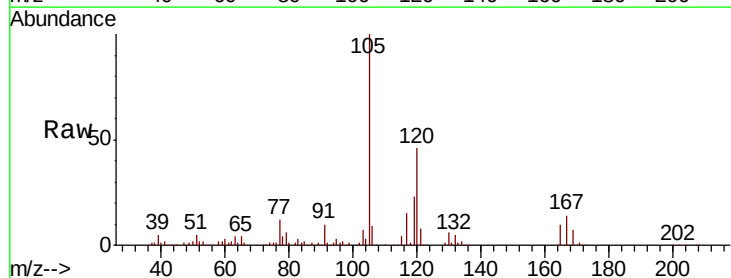
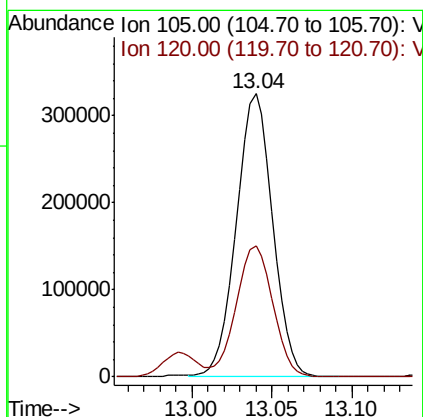
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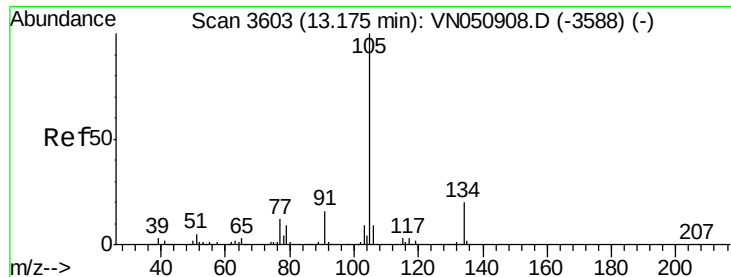
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#80
1,2,4-Trimethylbenzene
Concen: 19.236 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN051363.D
Acq: 21 Sep 2018 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	499767		
120	46.8	0.0	93.6	





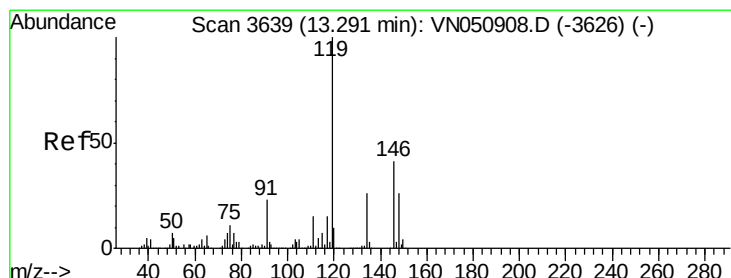
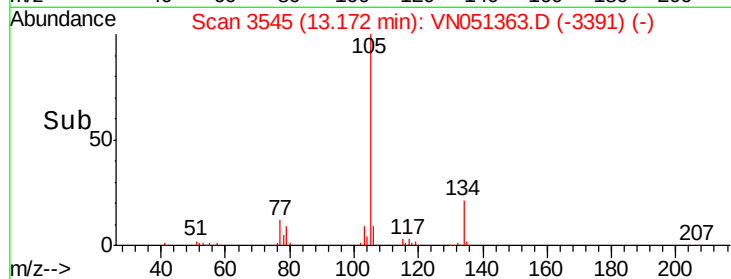
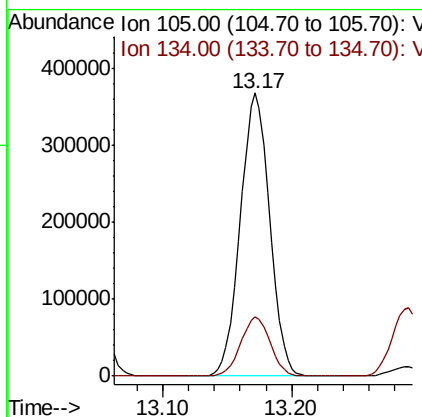
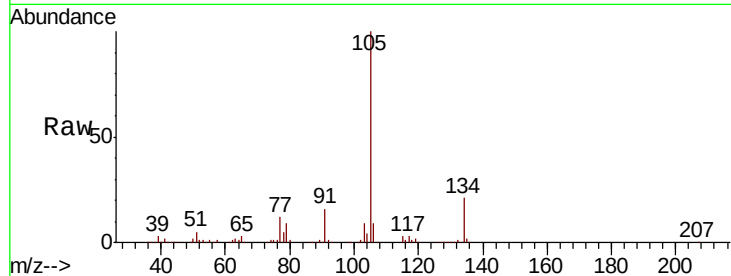
#81
 sec-Butylbenzene
 Concen: 19.637 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051363.D
 Acq: 21 Sep 2018 12:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD01

Tgt Ion	Ratio	Lower	Upper
105	100		
134	21.0	0.0	40.8

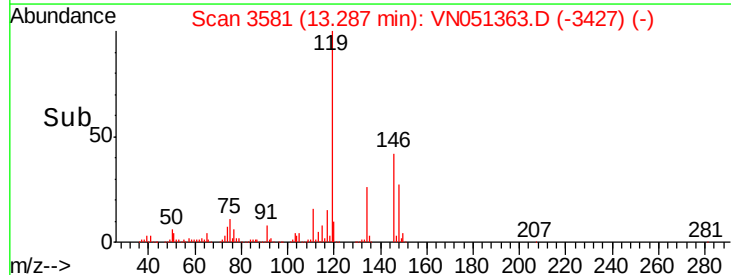
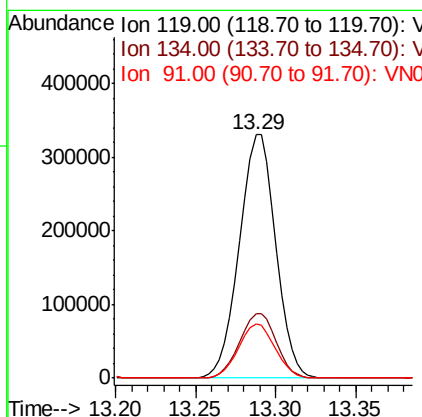
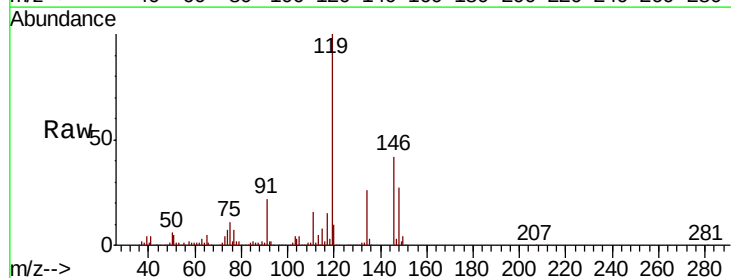
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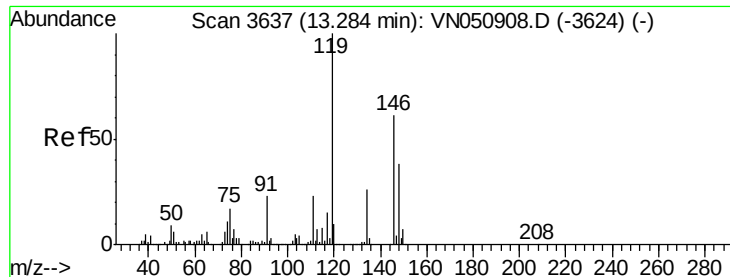
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#82
 p-Isopropyltoluene
 Concen: 19.979 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN051363.D
 Acq: 21 Sep 2018 12:19

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	0.0	53.2
91	22.5	0.0	46.0





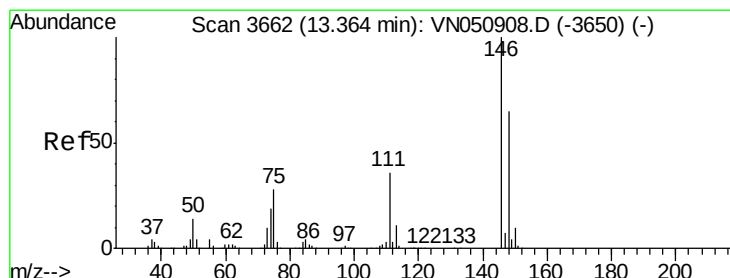
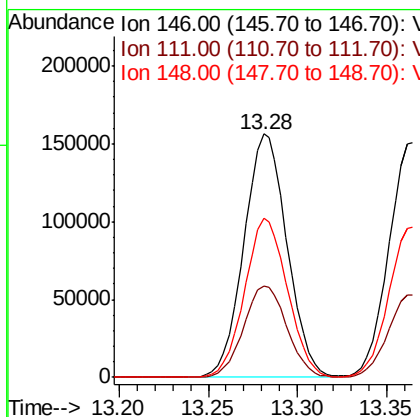
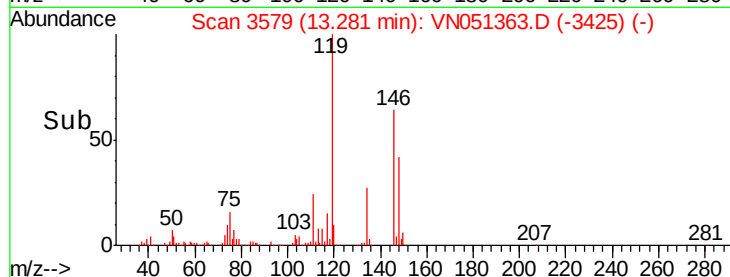
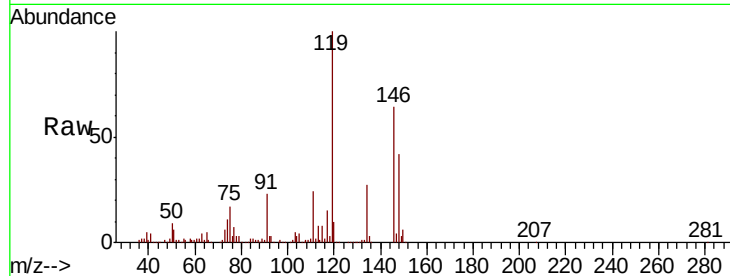
#83
 1,3-Dichlorobenzene
 Concen: 18.639 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN051363.D
 Acq: 21 Sep 2018 12:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	264390		
111	37.7	18.6	55.6	
148	64.7	31.8	95.3	

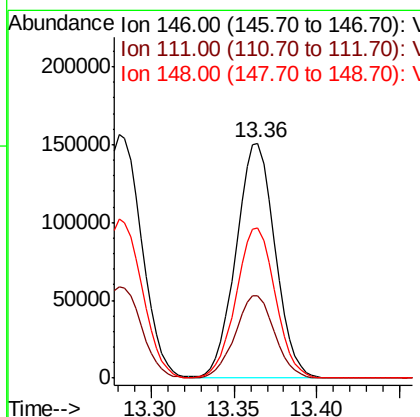
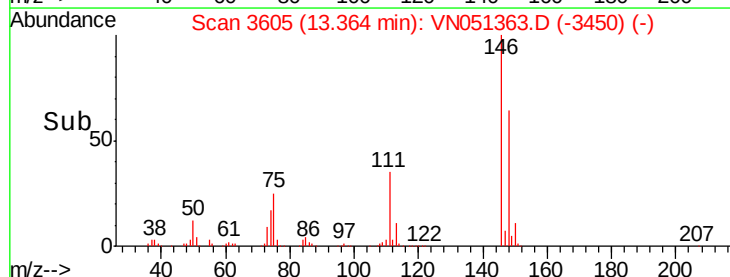
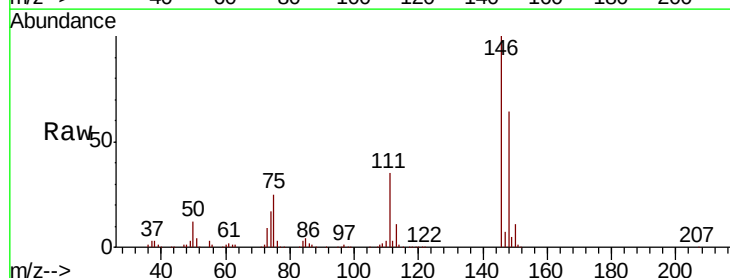
Manual Integrations
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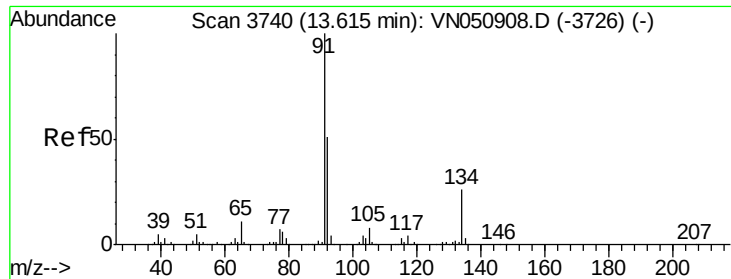
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#84
 1,4-Dichlorobenzene
 Concen: 18.440 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN051363.D
 Acq: 21 Sep 2018 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	247836		
111	35.2	17.7	53.1	
148	64.3	31.6	94.8	





#85

n-Butylbenzene

Concen: 18.657 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN051363.D

Acq: 21 Sep 2018 12:19

Instrument :

MSVOA_N

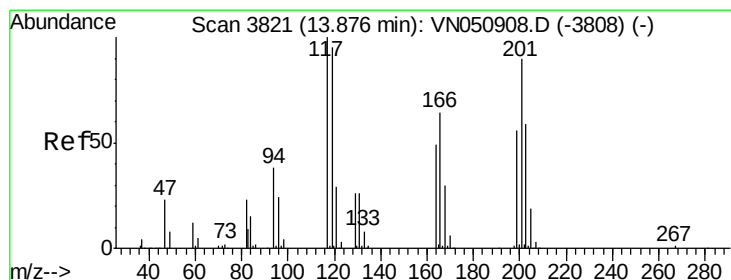
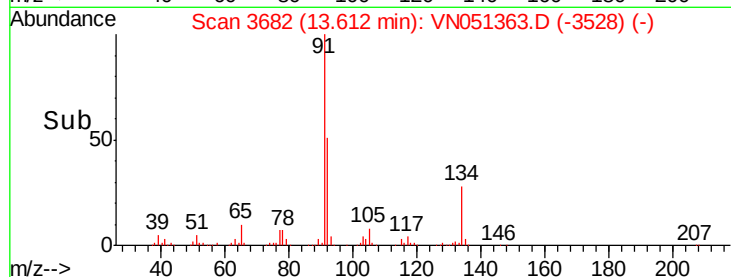
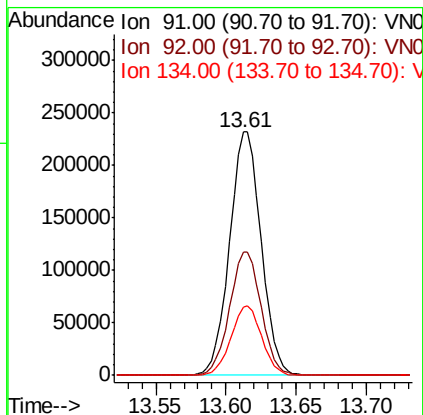
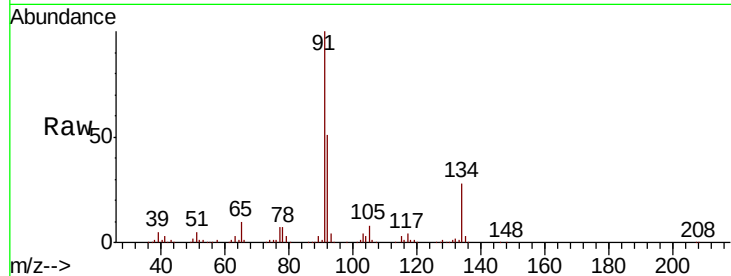
ClientSampleId :

VN0921WBSD01

Tgt Ion:	91	Resp:	363844
Ion Ratio	Lower	Upper	
91	100		
92	50.5	0.0	101.8
134	27.8	0.0	52.2

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#86

Hexachloroethane

Concen: 20.751 ug/l

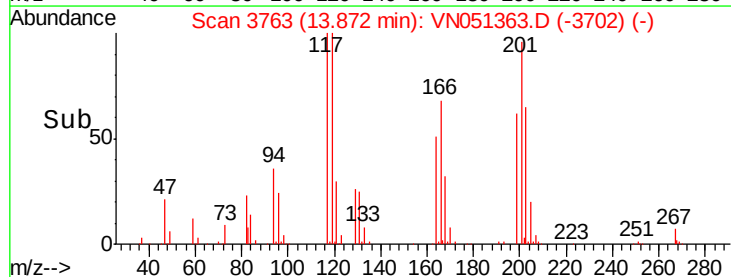
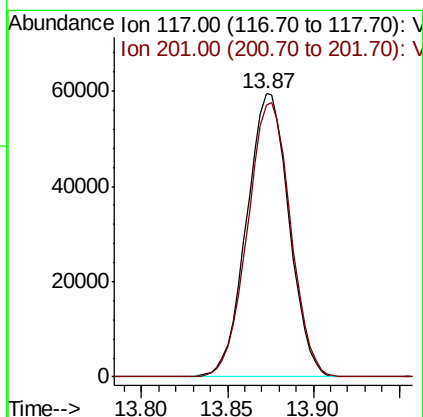
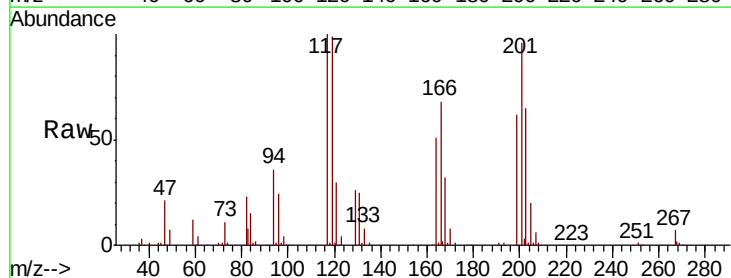
RT: 13.87 min Scan# 3763

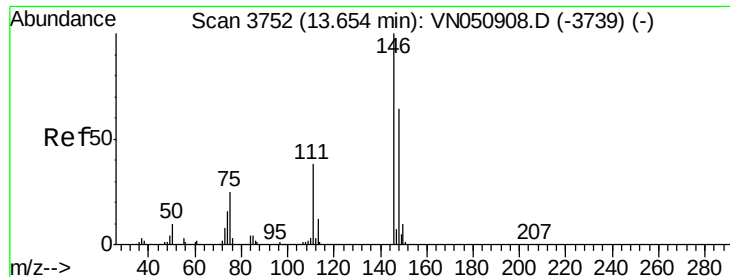
Delta R.T. -0.00 min

Lab File: VN051363.D

Acq: 21 Sep 2018 12:19

Tgt Ion:	117	Resp:	101797
Ion Ratio	Lower	Upper	
117	100		
201	98.1	45.8	137.4





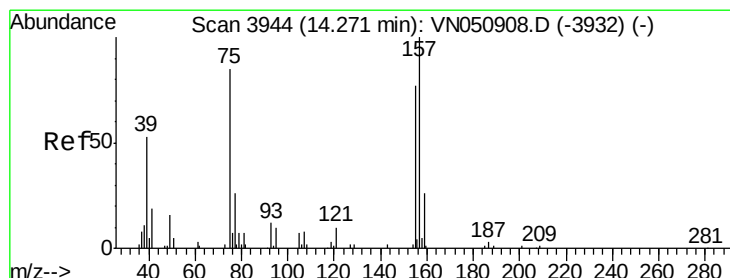
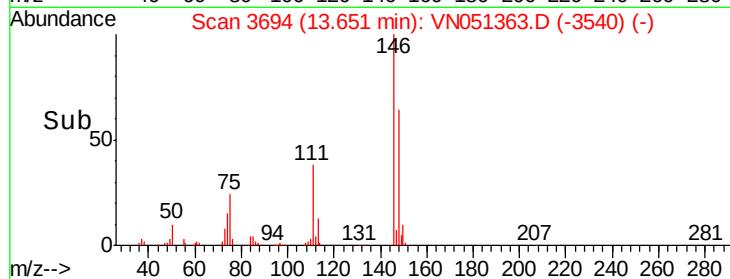
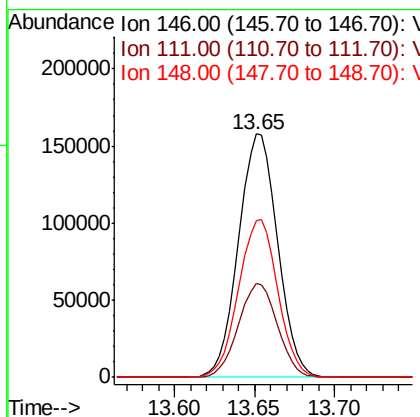
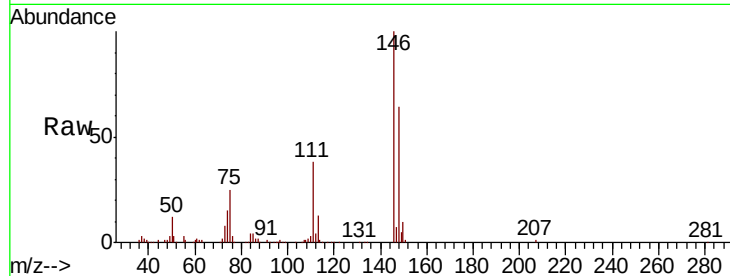
#87
 1,2-Dichlorobenzene
 Concen: 18.849 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN051363.D
 Acq: 21 Sep 2018 12:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	263162		
111	38.5	19.1	57.1	
148	64.8	31.9	95.9	

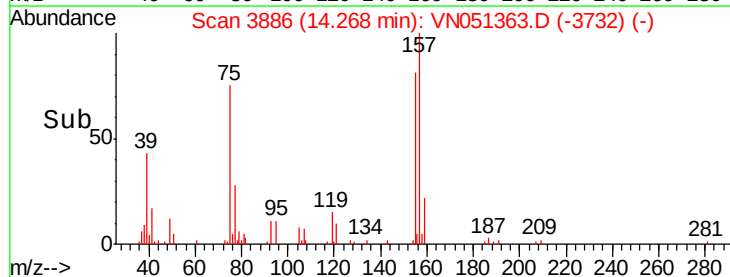
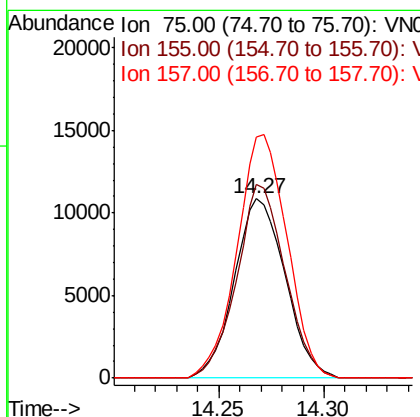
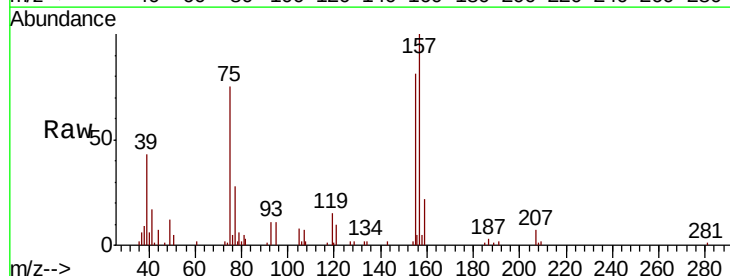
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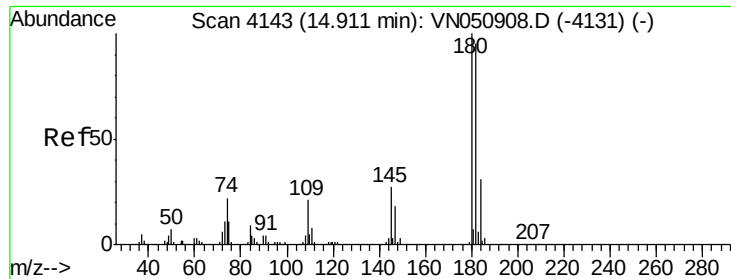
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 15.101 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN051363.D
 Acq: 21 Sep 2018 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	18240		
155	102.7	71.8	107.6	
157	132.8	91.1	136.7	





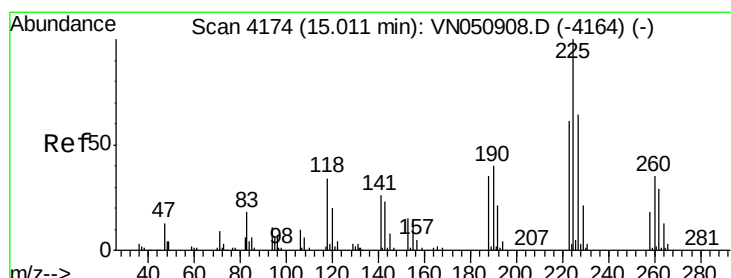
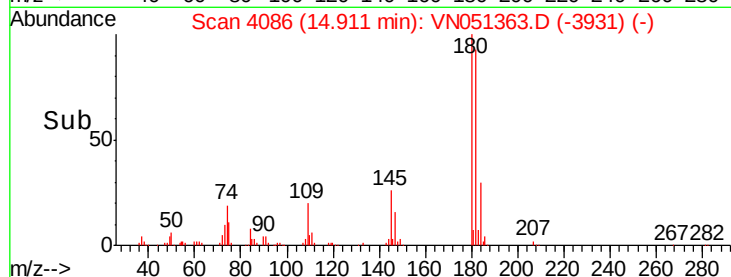
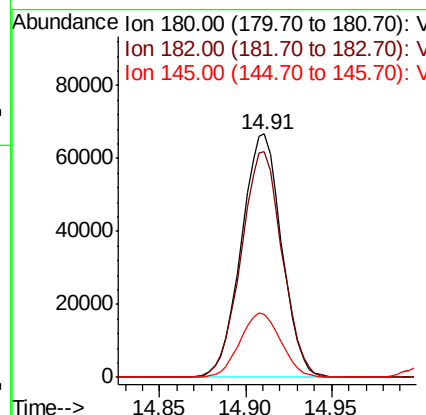
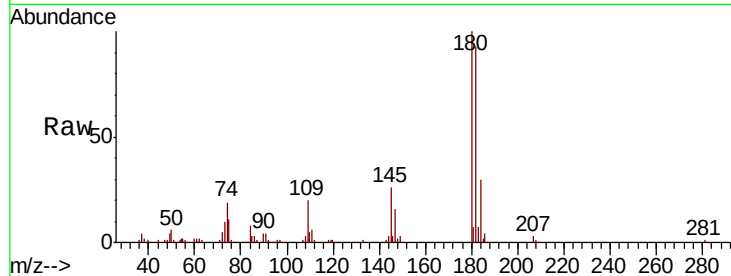
#89
 1,2,4-Trichlorobenzene
 Concen: 17.458 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN051363.D
 Acq: 21 Sep 2018 12:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	108514		
182	94.4	76.2	114.4	
145	26.8	22.2	33.4	

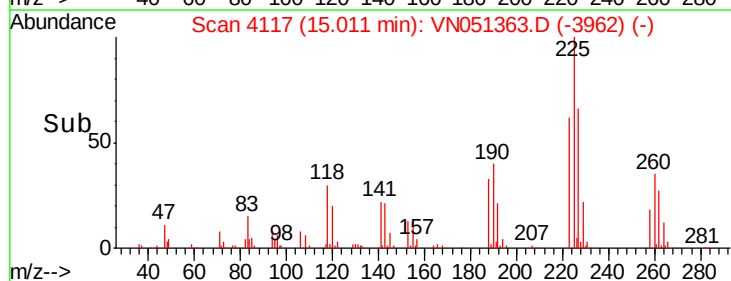
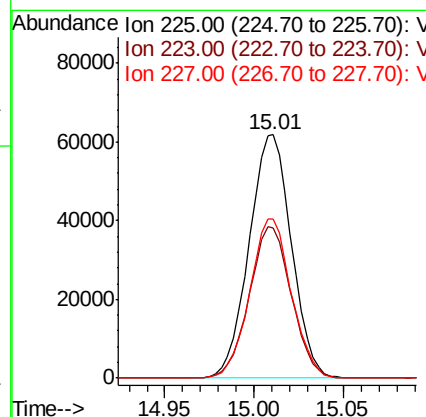
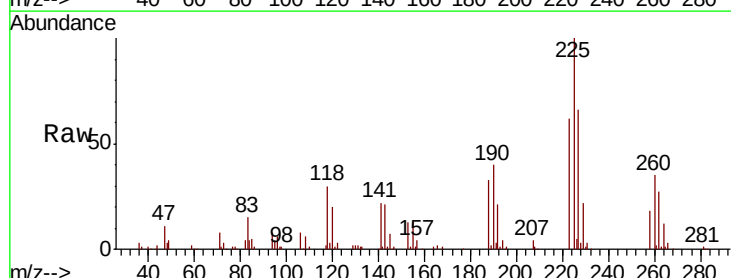
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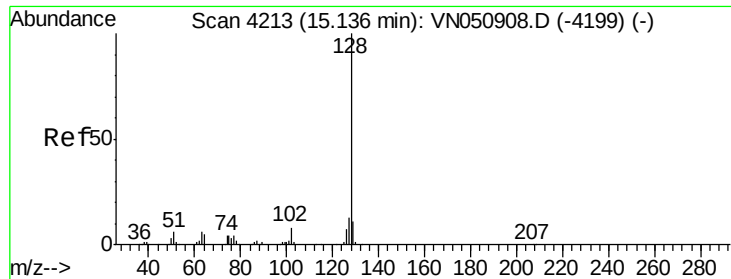
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#90
 Hexachlorobutadiene
 Concen: 24.215 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN051363.D
 Acq: 21 Sep 2018 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	102258		
223	61.8	0.0	127.8	
227	64.4	0.0	128.4	





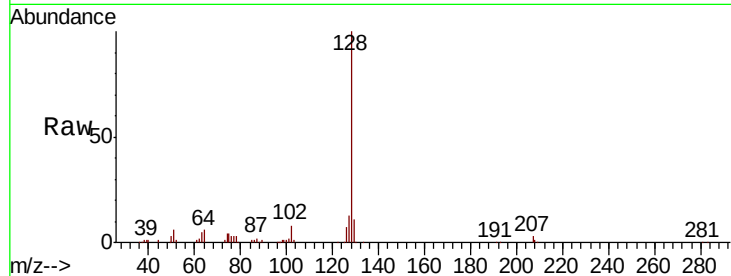
#91
Naphthalene
Concen: 17.540 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051363.D
Acq: 21 Sep 2018 12:19

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD01

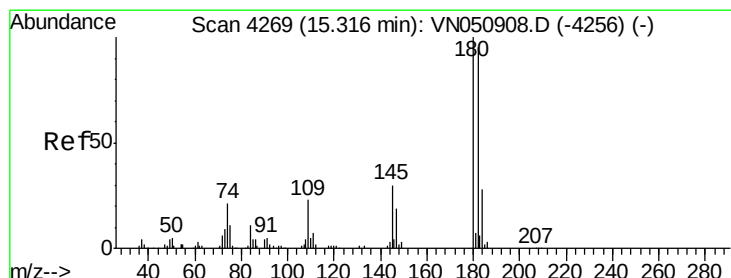
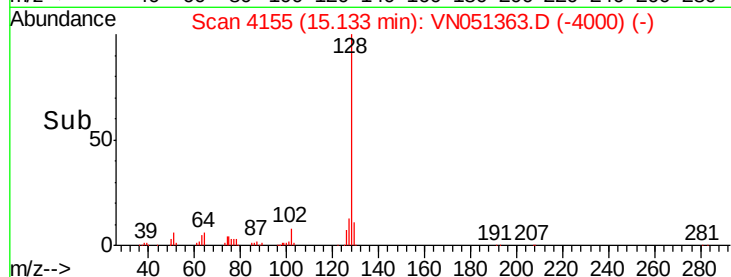
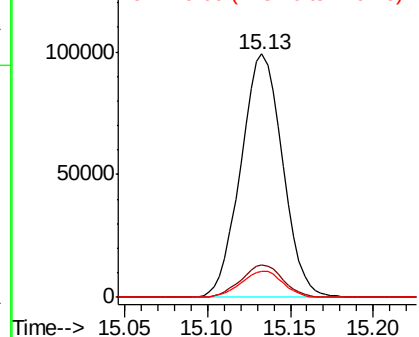
Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	16.0
129	10.8	8.7	13.1

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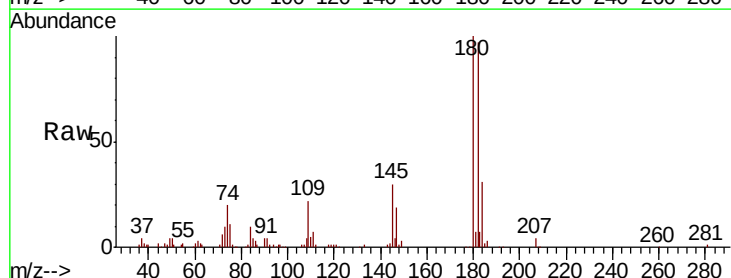


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#92
1,2,3-Trichlorobenzene
Concen: 18.409 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN051363.D
Acq: 21 Sep 2018 12:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	0.0	192.8
145	29.6	0.0	60.0



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

