

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092818\
 Data File : VN051609.D
 Acq On : 28 Sep 2018 9:04
 Operator : MD\SY
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 10/3/2018 5:27:36 PM

Quant Time: Sep 29 00:56:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Sep 29 00:34:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	108559	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	596741	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	527746	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	227013	30.03	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.10%
60) 4-Bromofluorobenzene	12.40	95	249726	30.77	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	102.57%
63) Toluene-d8	10.09	98	744427	29.90	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.67%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	499473	52.427 ug/l	99
3) Chloromethane	2.06	50	546740	51.283 ug/l	100
4) Vinyl Chloride	2.19	62	539480	51.582 ug/l	98
5) Bromomethane	2.57	94	260168	47.890 ug/l	99
6) Chloroethane	2.70	64	266705	50.833 ug/l	99
7) Trichlorofluoromethane	3.01	101	649586	50.835 ug/l	100
8) Diethyl Ether	3.41	74	201044	50.090 ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	363387	50.309 ug/l	98
10) 1,1-Dichloroethene	3.74	96	329253	50.229 ug/l	97
11) Methyl Iodide	3.95	142	468943	55.576 ug/l	98
12) Methyl Acetate	4.33	43	274889	47.517 ug/l	97
13) Acrolein	3.61	56	164610	257.549 ug/l	98
14) Acrylonitrile	4.99	53	595122	256.871 ug/l	98
15) Acetone	3.82	58	160695	264.538 ug/l	98
16) Carbon Disulfide	4.05	76	1053661	49.882 ug/l	100
17) Allyl chloride	4.33	41	603710	51.485 ug/l	100
18) Methylene Chloride	4.55	84	374882	49.745 ug/l	99
19) trans-1,2-Dichloroethene	5.04	96	348359	50.064 ug/l	98
20) Diisopropyl ether	5.95	45	1213430	52.164 ug/l	98
21) 1,1-Dichloroethane	5.85	63	694503	50.375 ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	387385	50.976 ug/l	99
23) tert-Butyl Alcohol	4.79	59	109563	248.156 ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	893766	51.880 ug/l	98
25) Chloroform	7.37	83	668126	50.684 ug/l	99
26) Cyclohexane	7.65	56	635844	53.295 ug/l	# 99
29) 1,1-Dichloropropene	7.79	75	524062	51.502 ug/l	99
30) 2-Butanone	6.84	43	715910	258.503 ug/l	99
31) 2,2-Dichloropropane	6.83	77	556321	50.656 ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	571348	49.973 ug/l	99
33) Carbon Tetrachloride	7.78	117	513859	50.006 ug/l	97
34) Benzene	8.04	78	1525570	50.533 ug/l	# 94
35) Methacrylonitrile	7.18	41	161104	50.185 ug/l	97
36) 1,2-Dichloroethane	8.13	62	483917	50.288 ug/l	99
37) Trichloroethene	8.84	130	388620	50.139 ug/l	100
38) Methylcyclohexane	9.08	83	616264	52.485 ug/l	98
39) 1,2-Dichloropropane	9.12	63	416810	50.387 ug/l	99
40) Dibromomethane	9.21	93	232262	50.544 ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	506671	50.513	ug/l	99
42) Vinyl Acetate	5.90	43	4045351	262.380	ug/l	99
43) Ethyl Acetate	6.93	43	292994	49.981	ug/l	99
44) Isopropyl Acetate	8.17	43	566536	49.358	ug/l	98
45) 1,4-Dioxane	9.20	88	65343	1053.796	ug/l	100
46) Methyl methacrylate	9.20	41	280898	52.608	ug/l	97
47) n-amyl Acetate	12.07	43	462425	53.845	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	510734	51.016	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	601465	51.387	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	321809	49.555	ug/l	98
51) Ethyl methacrylate	10.43	69	411646	52.246	ug/l	98
52) 1,3-Dichloropropane	10.71	76	565354	50.775	ug/l	100
53) Dibromochloromethane	10.90	129	375060	50.710	ug/l	99
54) 1,2-Dibromoethane	11.01	107	317161	50.899	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	1026211	263.507	ug/l	100
56) Bromoform	12.13	173	250335	51.009	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	1526293	254.729	ug/l	100
59) 2-Hexanone	10.75	43	1042246	264.405	ug/l	97
61) Tetrachloroethene	10.63	164	377168	50.479	ug/l	98
62) Toluene	10.16	91	1629296	50.349	ug/l	100
64) Chlorobenzene	11.43	112	981649	50.173	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	374062	50.068	ug/l	98
66) Ethyl Benzene	11.51	91	1731325	52.276	ug/l	99
67) m/p-Xylenes	11.62	106	1354430	106.112	ug/l	99
68) o-Xylene	11.95	106	637233	52.298	ug/l	97
69) Styrene	11.96	104	1030762	53.897	ug/l	99
70) Isopropylbenzene	12.25	105	1708661	52.571	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	391486	49.785	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	334793m	51.674	ug/l	
73) Bromobenzene	12.53	156	416831	51.534	ug/l	97
74) n-propylbenzene	12.59	91	2013779	53.222	ug/l	100
75) 2-Chlorotoluene	12.67	91	1176508	52.071	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	1443754	53.161	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	114892	53.958	ug/l	97
78) 4-Chlorotoluene	12.77	91	1173724	52.590	ug/l	100
79) tert-butylbenzene	12.99	119	1240768	52.734	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	1461709	53.886	ug/l	100
81) sec-Butylbenzene	13.17	105	1713960	52.734	ug/l	99
82) p-Isopropyltoluene	13.29	119	1503954	54.140	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	739118	52.442	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	710394	53.621	ug/l	100
85) n-Butylbenzene	13.62	91	1264976	55.478	ug/l	99
86) Hexachloroethane	13.88	117	277617	49.966	ug/l	96
87) 1,2-Dichlorobenzene	13.65	146	724577	52.553	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	57756	50.393	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	368552	57.112	ug/l	99
90) Hexachlorobutadiene	15.01	225	261899	49.782	ug/l	98
91) Naphthalene	15.13	128	686097	56.614	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	360539	55.552	ug/l	99

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Manual Integrations
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QLast Update : Sat Sep 29 00:34:08 2018
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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

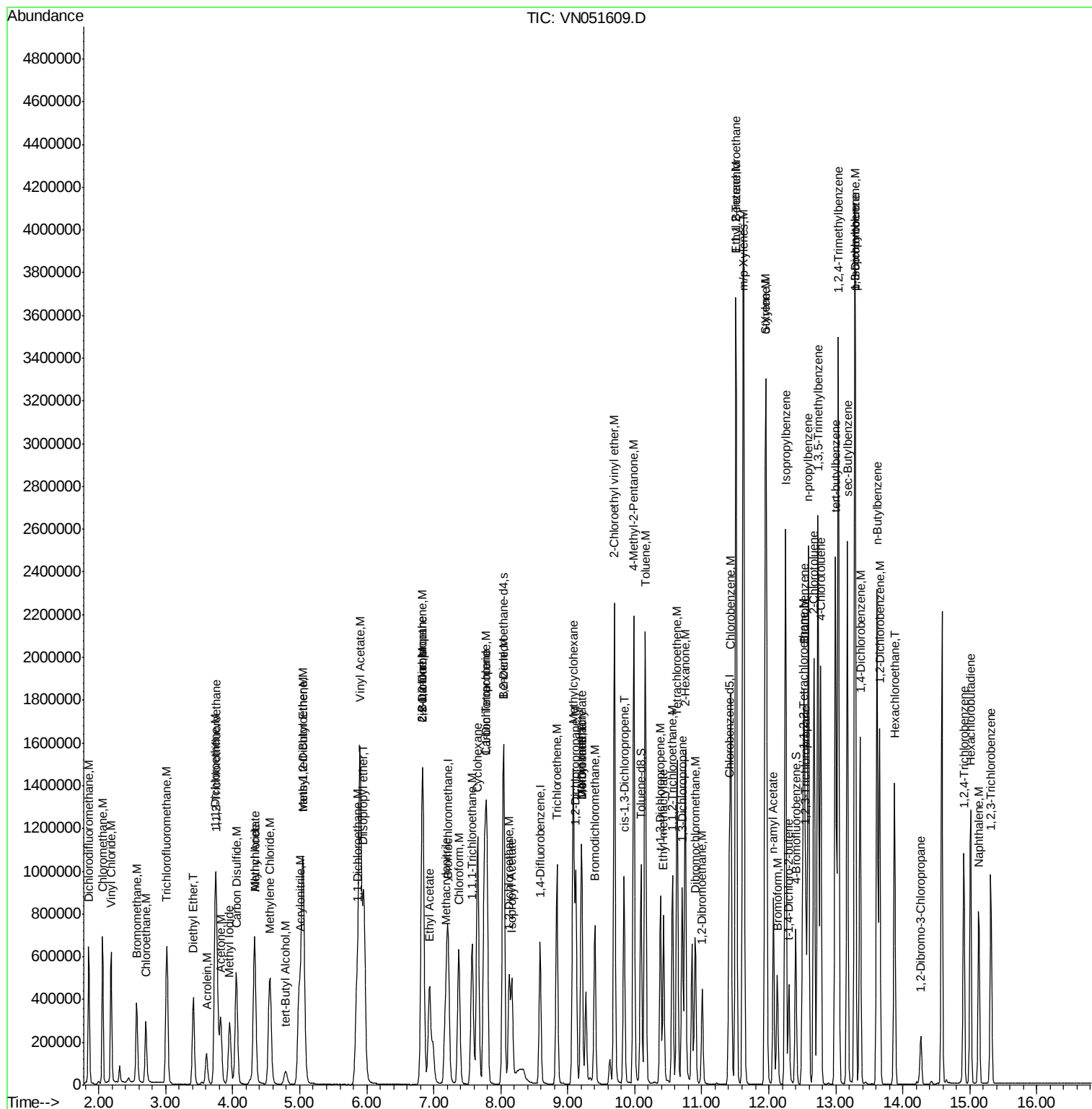
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092818\
Data File : VN051609.D
Acq On : 28 Sep 2018 9:04
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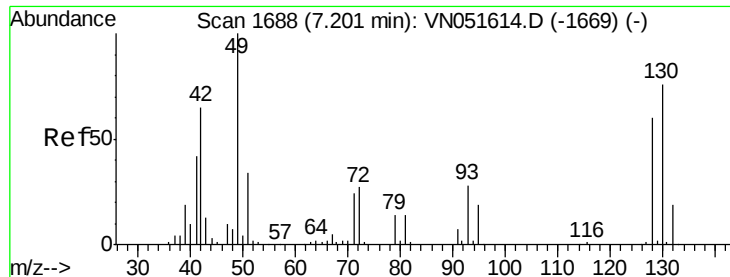
Instrument :
MSVOA_N
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Manual Integrations
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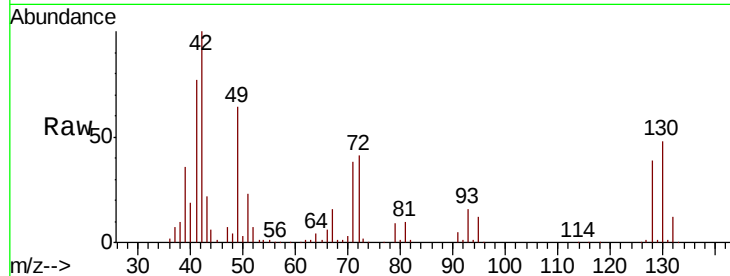
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. -0.00 min
 Lab File: VN051609.D
 Acq: 28 Sep 2018 9:04

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

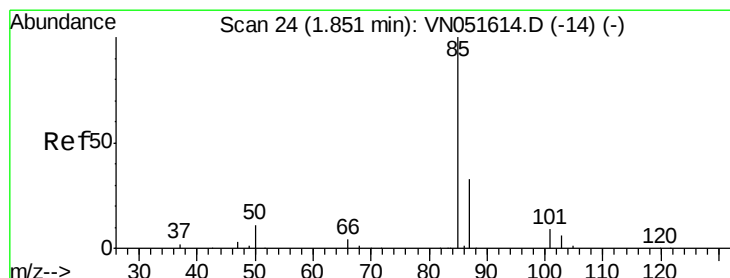
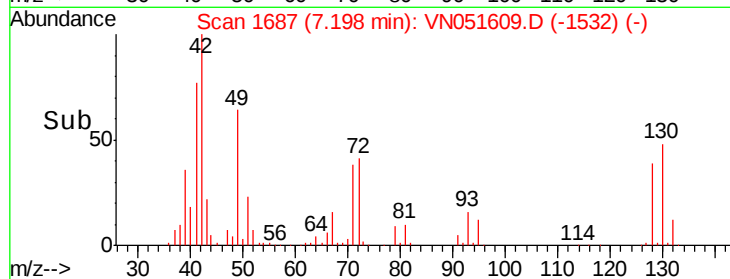
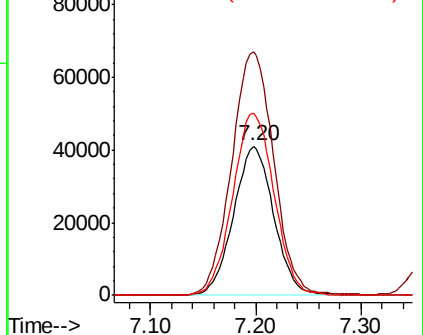
Tot Ion	Ratio	Lower	Upper
128	100		
49	171.7	0.0	426.8
130	126.7	0.0	326.3

Manual Integrations
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 10/3/2018 5:27:36 PM

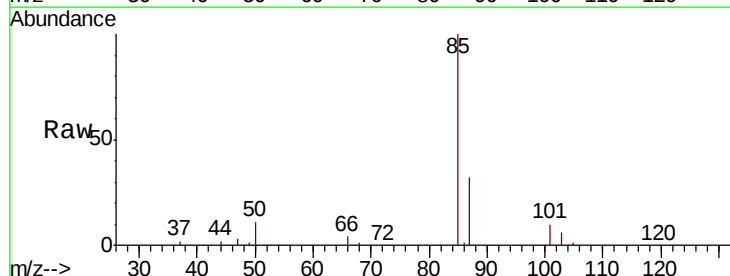


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): V
 Ion 130.00 (129.70 to 130.70): V

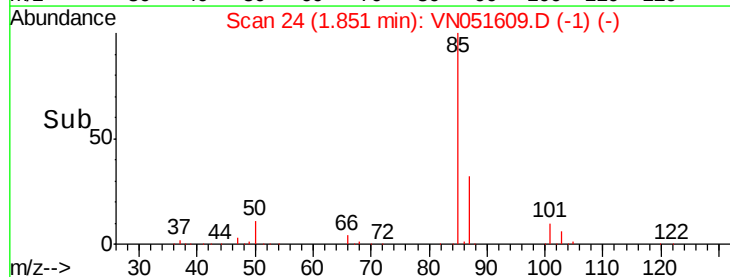
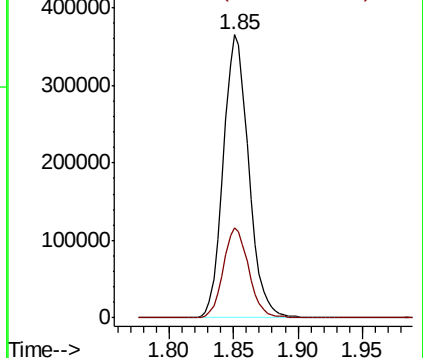


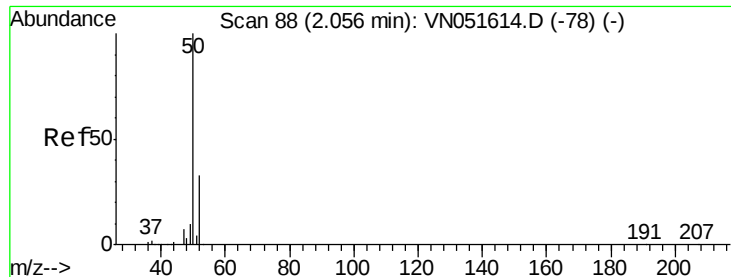
#2
 Dichlorodifluoromethane
 Concen: 52.427 ug/l
 RT: 1.85 min Scan# 24
 Delta R.T. 0.00 min
 Lab File: VN051609.D
 Acq: 28 Sep 2018 9:04

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.0	16.3	48.8



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





#3

Chloromethane

Concen: 51.283 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051609.D

Acq: 28 Sep 2018 9:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 50 Resp: 546740

Ion Ratio Lower Upper

50 100

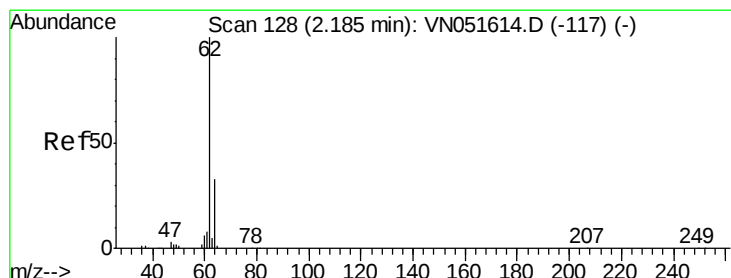
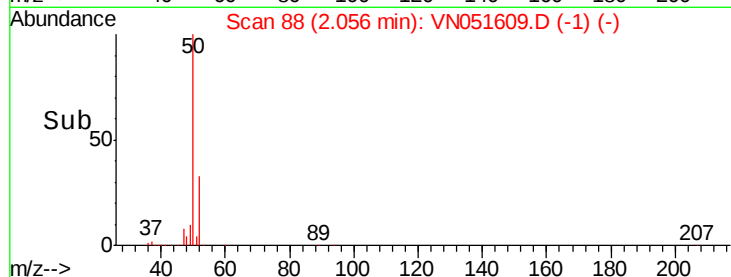
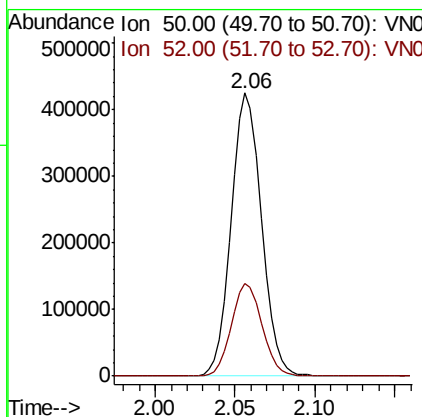
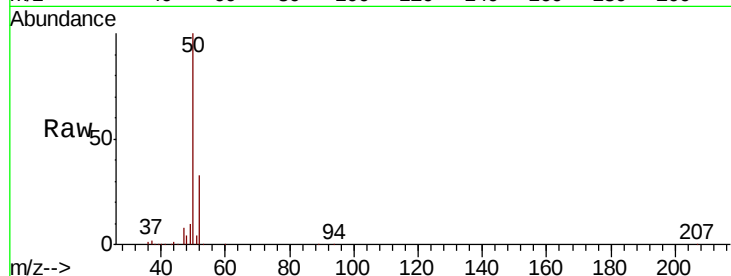
52 32.7 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 51.582 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051609.D

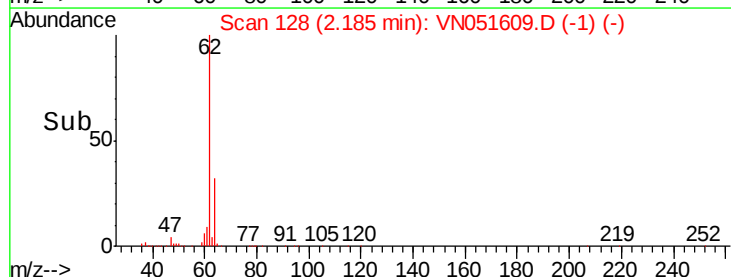
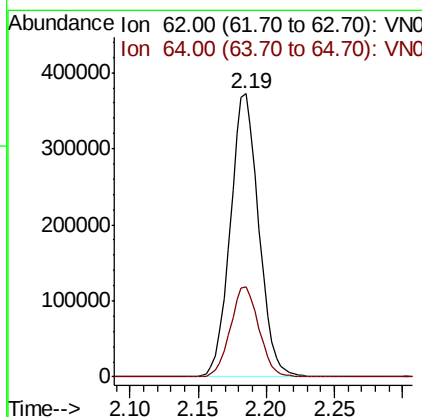
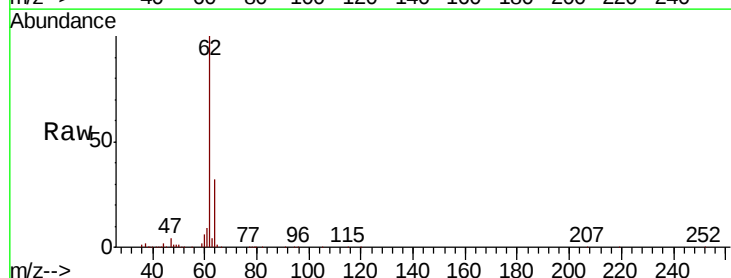
Acq: 28 Sep 2018 9:04

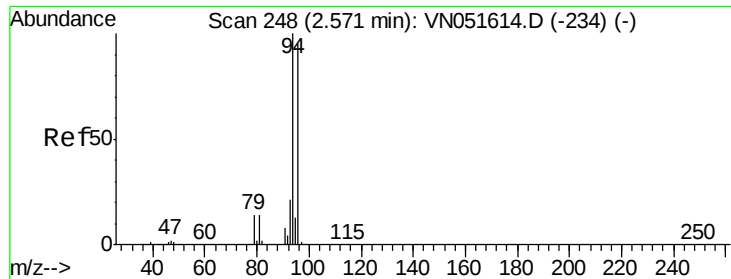
Tgt Ion: 62 Resp: 539480

Ion Ratio Lower Upper

62 100

64 31.6 26.3 39.5





#5

Bromomethane

Concen: 47.890 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.00 min

Lab File: VN051609.D

Acq: 28 Sep 2018 9:04

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

Tot Ion: 94 Resp: 260168

Ion Ratio Lower Upper

94 100

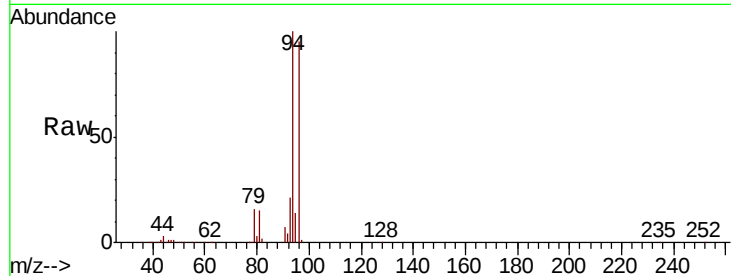
96 95.2 75.8 113.6

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VNO

Ion 96.00 (95.70 to 96.70): VNO

150000

100000

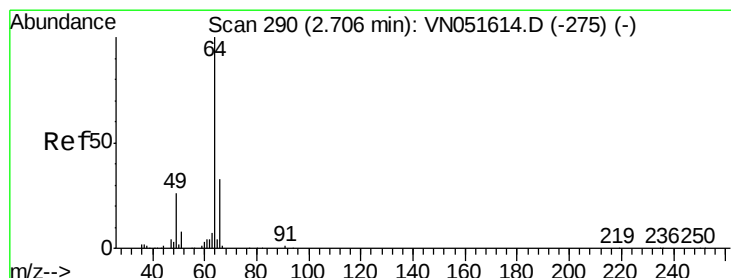
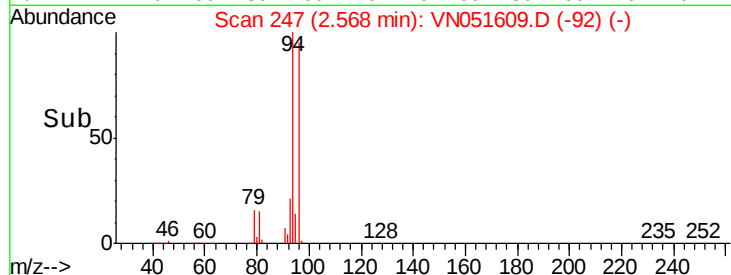
50000

0

2.57

2.50 2.60

Time-->



#6

Chloroethane

Concen: 50.833 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN051609.D

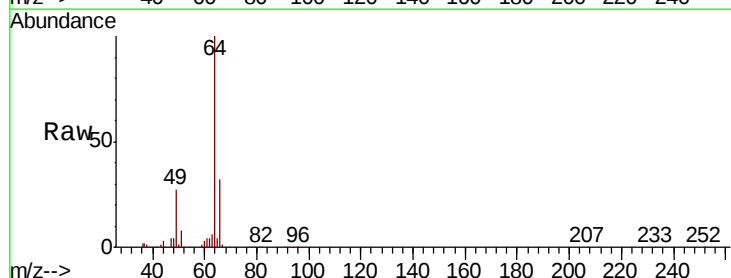
Acq: 28 Sep 2018 9:04

Tgt Ion: 64 Resp: 266705

Ion Ratio Lower Upper

64 100

66 31.9 26.1 39.1



Abundance Ion 64.00 (63.70 to 64.70): VNO

Ion 66.00 (65.70 to 66.70): VNO

150000

100000

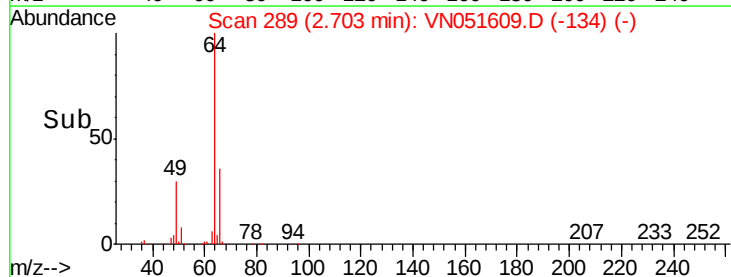
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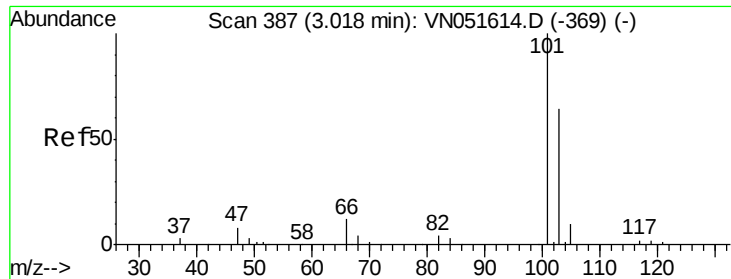
0

2.70

2.60 2.65 2.70 2.75 2.80

Time-->





#7

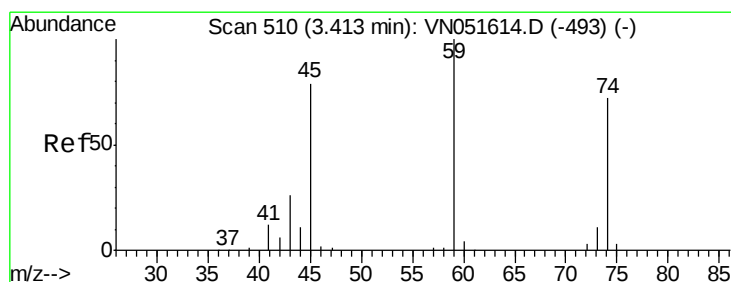
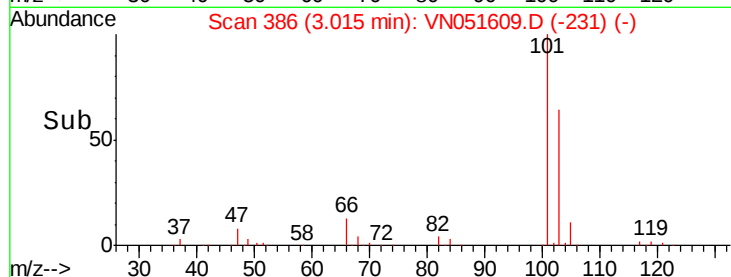
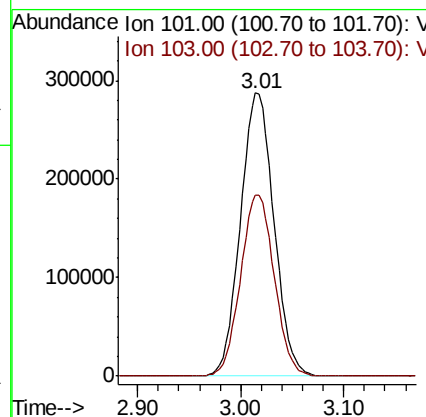
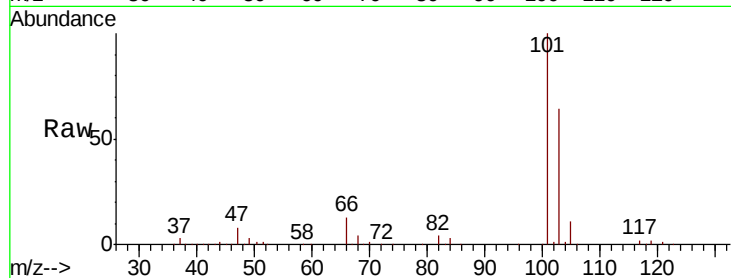
Trichlorofluoromethane
Concen: 50.835 ug/l
RT: 3.01 min Scan# 386
Delta R.T. -0.00 min
Lab File: VN051609.D
Acq: 28 Sep 2018 9:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.2	76.8

Manual Integrations
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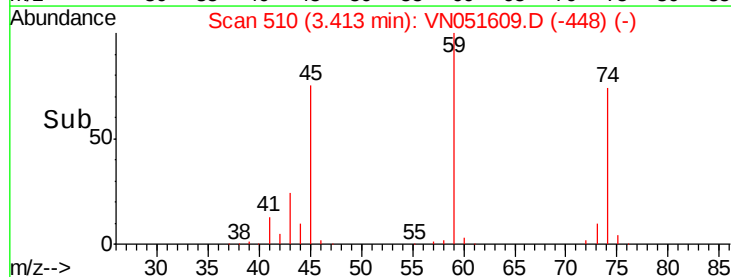
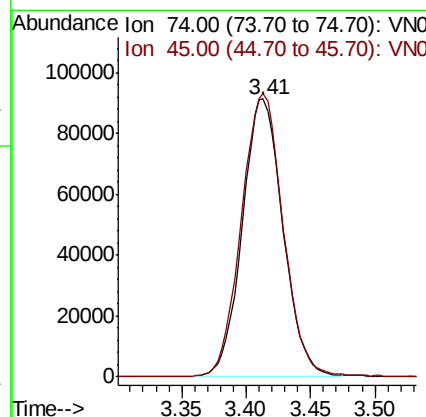
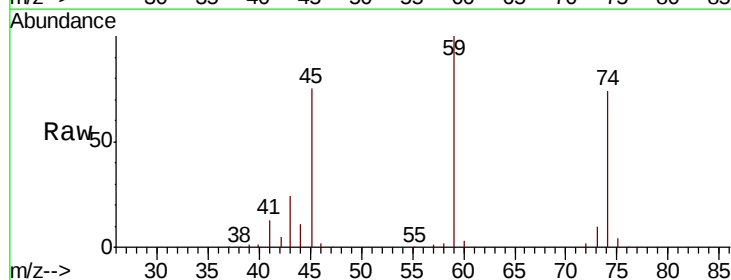
MMDadoda
10/3/2018 5:27:36 PM

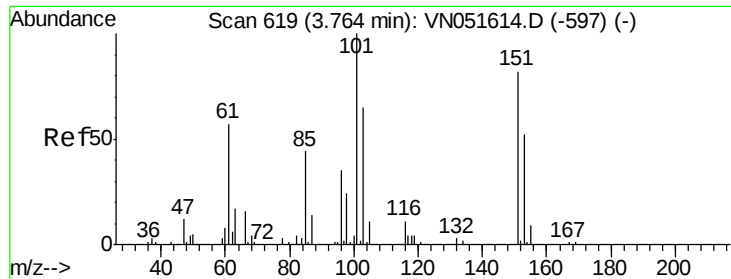


#8

Diethyl Ether
Concen: 50.090 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN051609.D
Acq: 28 Sep 2018 9:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.5	21.3	191.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.309 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN051609.D

Acq: 28 Sep 2018 9:04

Instrument :

MSVOA_N

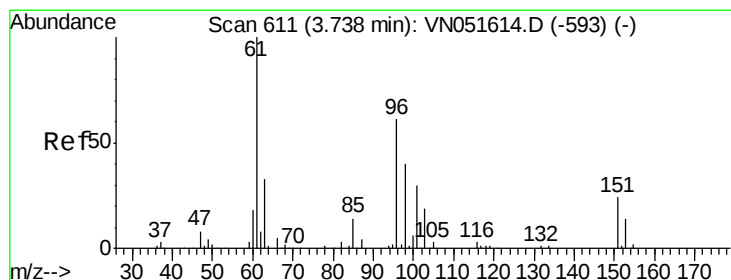
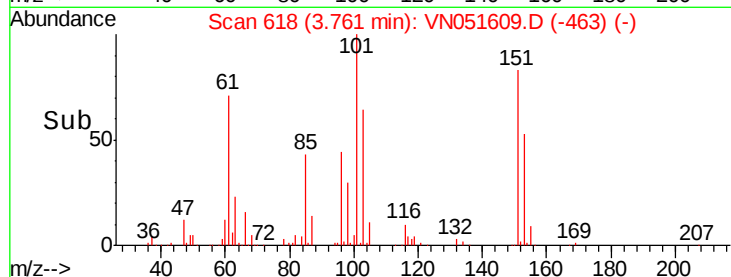
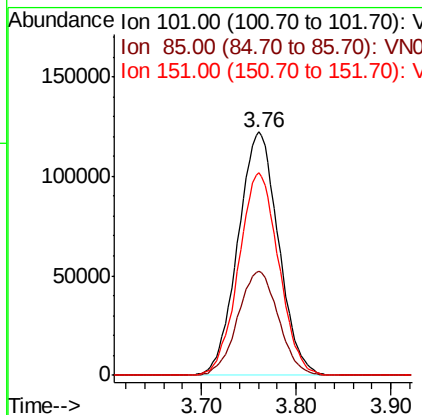
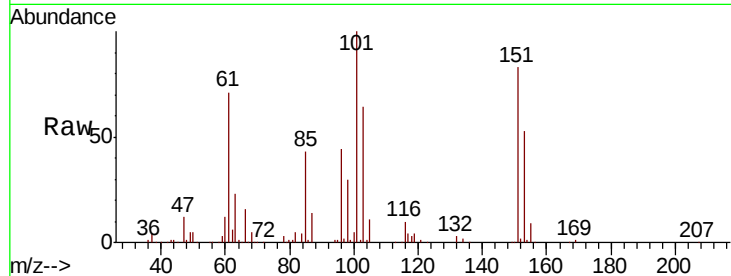
ClientSampleId :

VSTDIC050

Tot Ion:	101	Resp:	363387
Ion Ratio	Lower	Upper	
101	100		
85	42.9	0.0	89.4
151	82.3	0.0	167.6

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#10

1,1-Dichloroethene

Concen: 50.229 ug/l

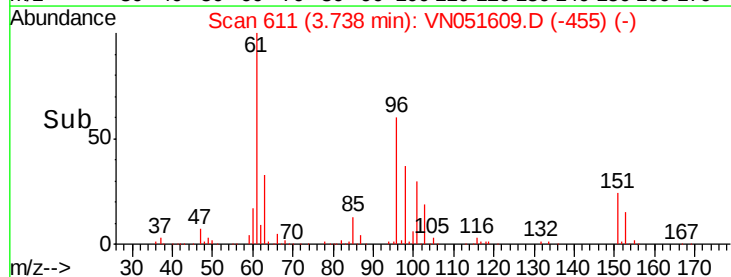
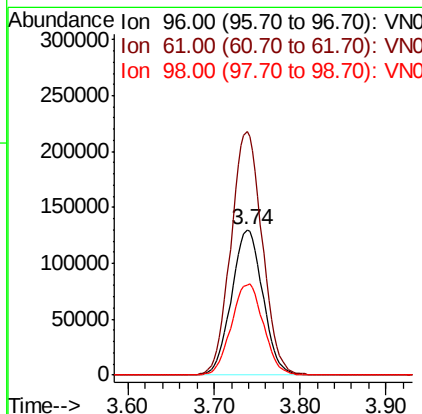
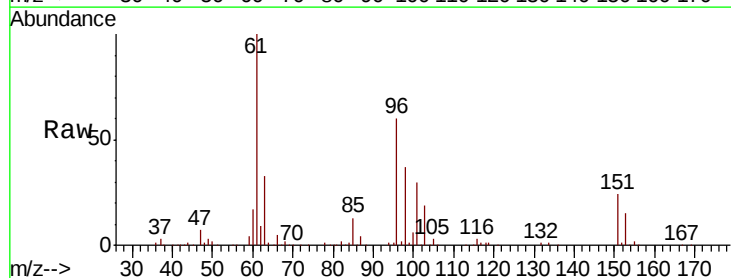
RT: 3.74 min Scan# 611

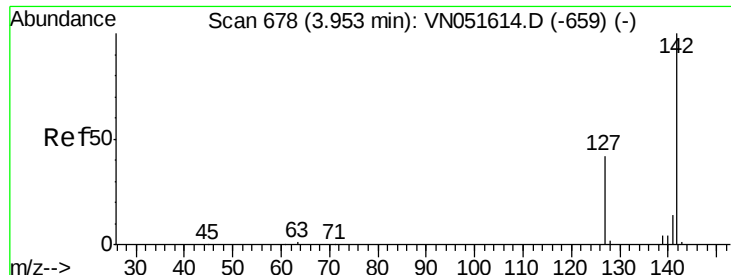
Delta R.T. 0.00 min

Lab File: VN051609.D

Acq: 28 Sep 2018 9:04

Tgt Ion:	96	Resp:	329253
Ion Ratio	Lower	Upper	
96	100		
61	167.4	131.0	196.4
98	62.3	52.7	79.1





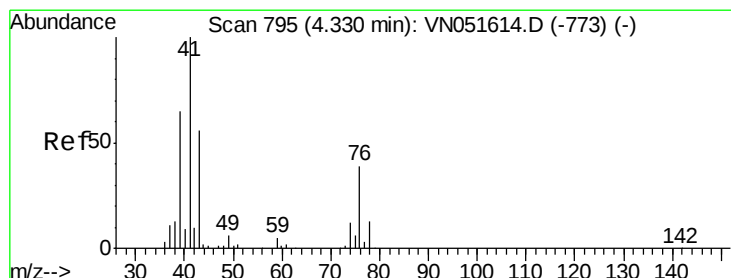
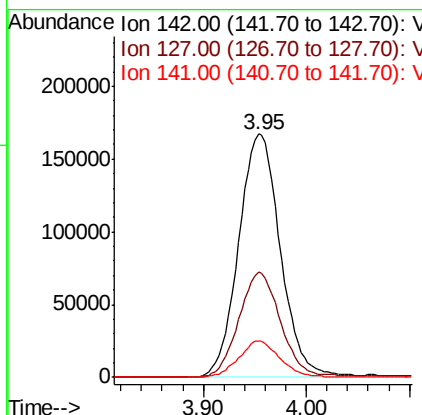
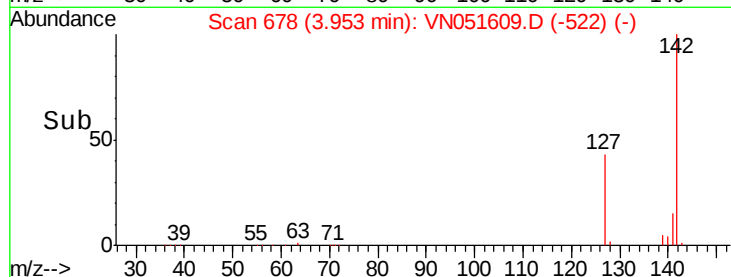
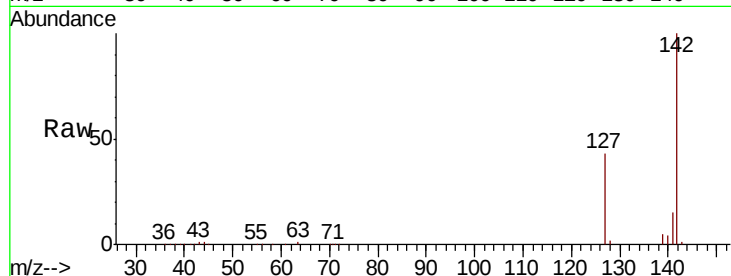
#11
Methvl Iodide
Concen: 55.576 ug/l
RT: 3.95 min Scan# 678
Delta R.T. 0.00 min
Lab File: VN051609.D
Acq: 28 Sep 2018 9:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
142	100		
127	43.0	21.1	63.1
141	15.0	7.1	21.4

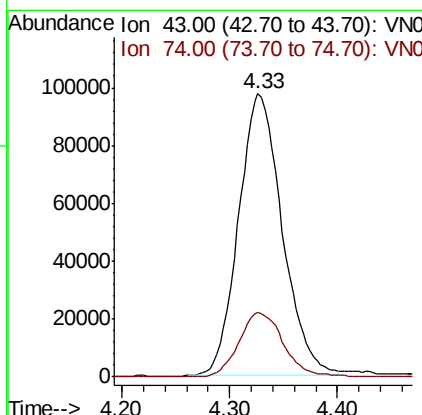
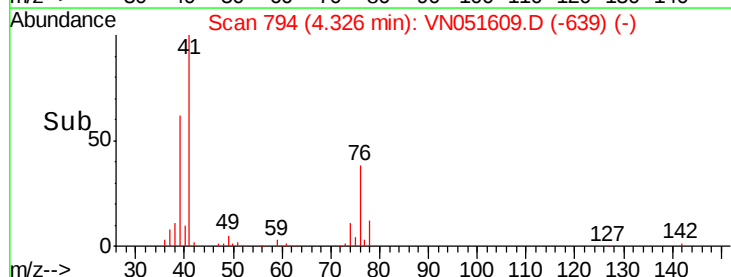
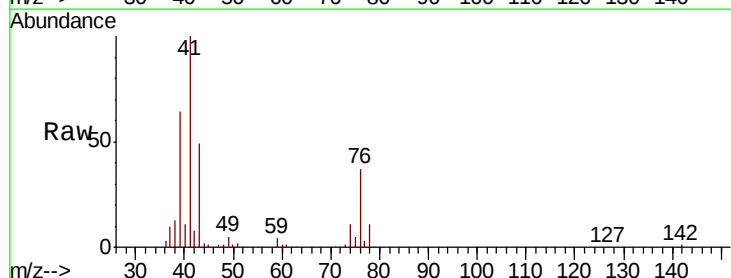
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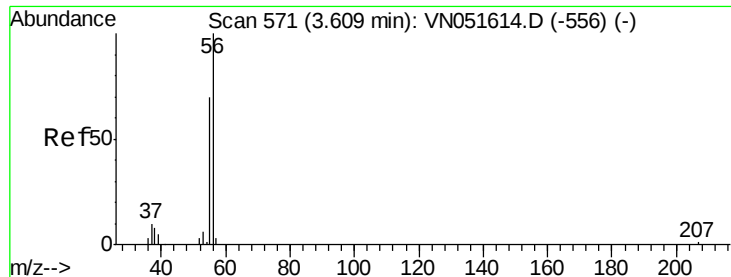
MMDadoda
10/3/2018 5:27:36 PM



#12
Methyl Acetate
Concen: 47.517 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051609.D
Acq: 28 Sep 2018 9:04

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.8	17.0	25.4





#13

Acrolein

Concen: 257.549 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN051609.D

Acq: 28 Sep 2018 9:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 56 Resp: 164610

Ion Ratio Lower Upper

56 100

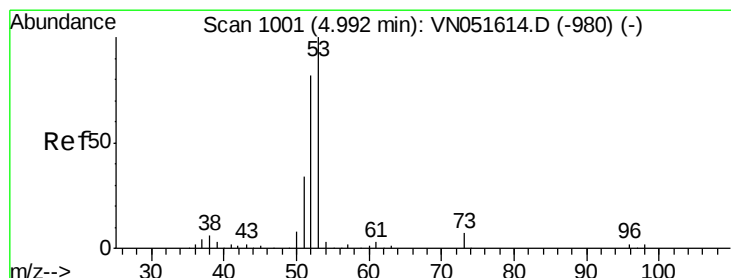
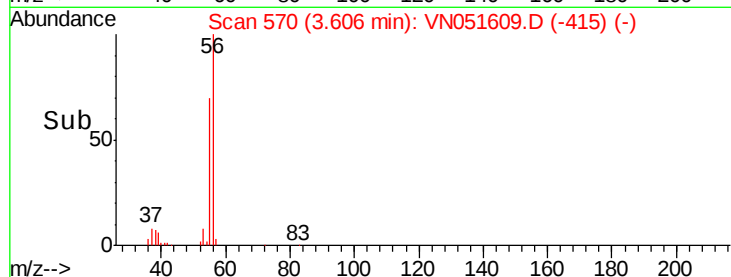
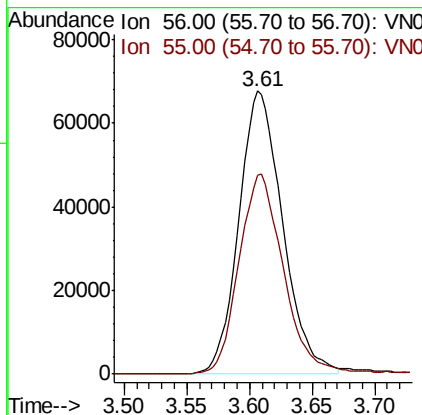
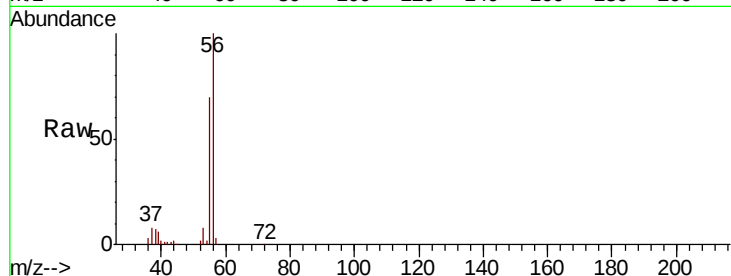
55 71.7 55.8 83.8

Manual Integrations

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#14

Acrylonitrile

Concen: 256.871 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN051609.D

Acq: 28 Sep 2018 9:04

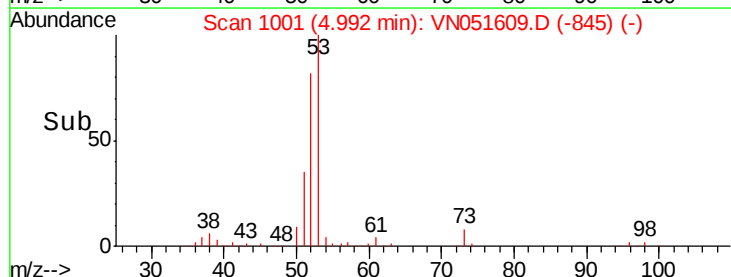
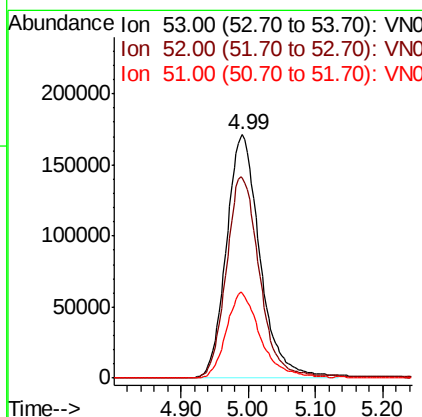
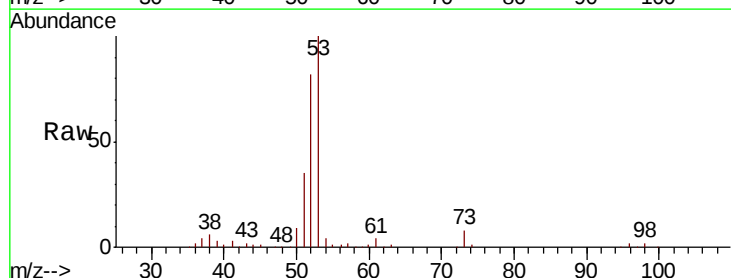
Tgt Ion: 53 Resp: 595122

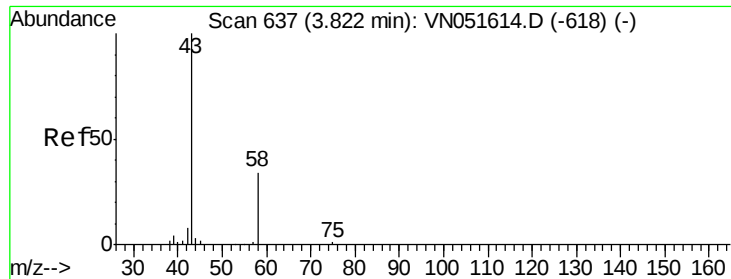
Ion Ratio Lower Upper

53 100

52 81.5 41.3 123.7

51 36.0 17.1 51.2





#15

Acetone

Concen: 264.538 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN051609.D

Acq: 28 Sep 2018 9:04

Tot Ion: 58 Resp: 160695

Ion Ratio Lower Upper

58 100

43 302.3 238.0 357.0

Instrument :

MSVOA_N

ClientSampleId :

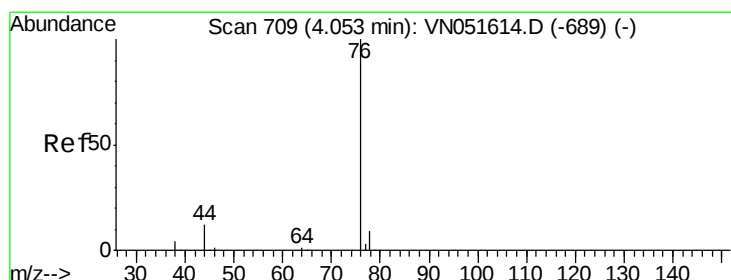
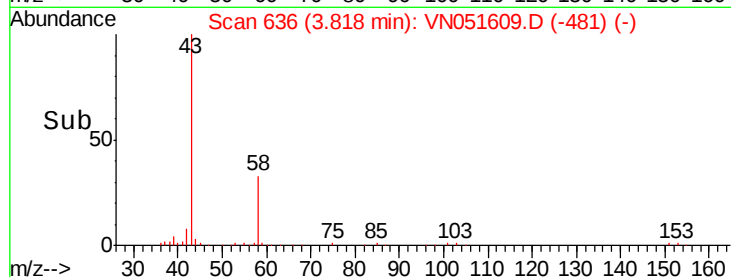
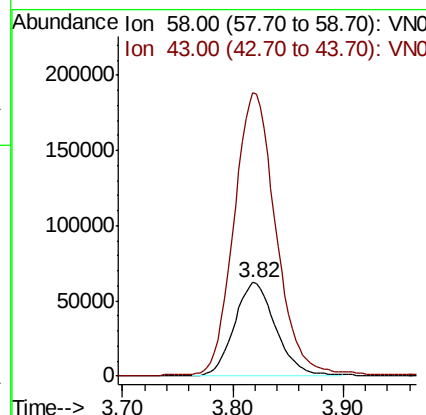
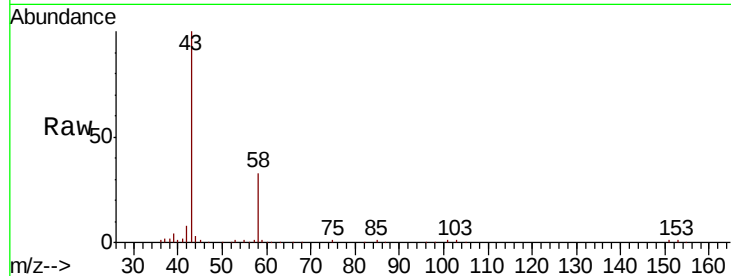
VSTDIC050

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#16

Carbon Disulfide

Concen: 49.882 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN051609.D

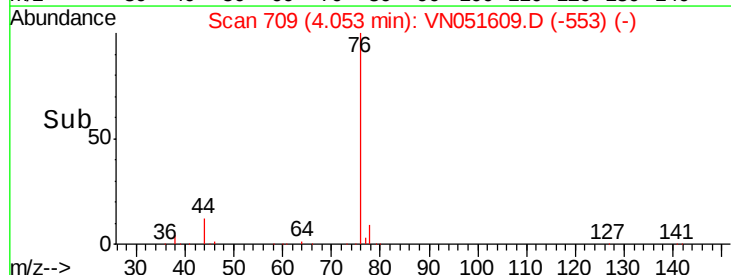
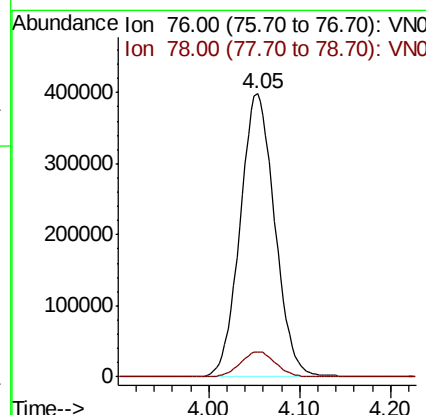
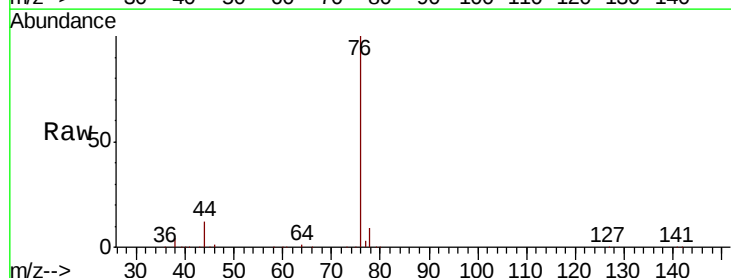
Acq: 28 Sep 2018 9:04

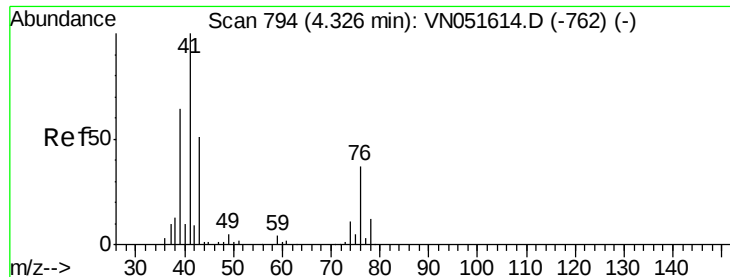
Tgt Ion: 76 Resp: 1053661

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9





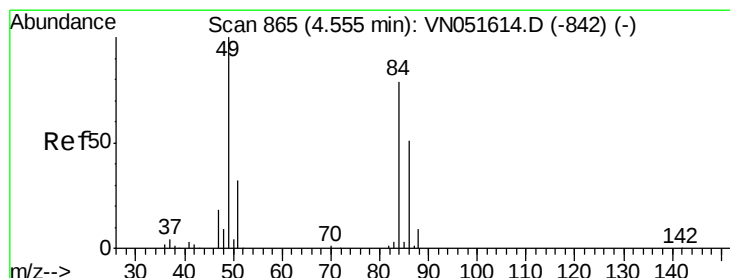
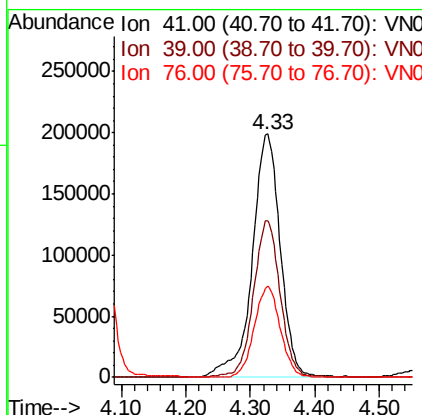
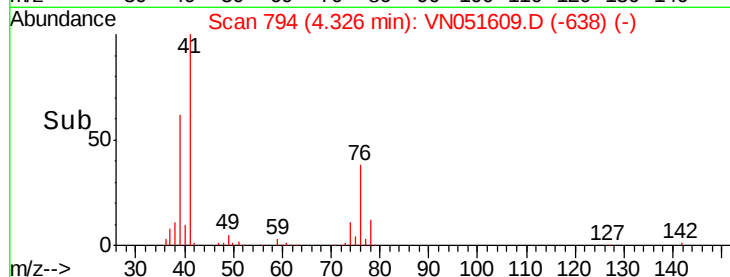
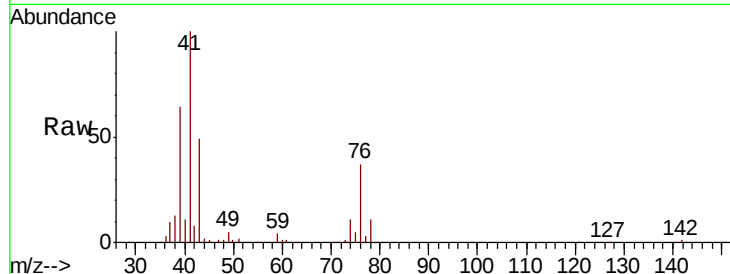
#17
Allvl chloride
Concen: 51.485 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN051609.D
Acq: 28 Sep 2018 9:04

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion:	41	Resp:	603710
Ion	Ratio	Lower	Upper
41	100		
39	64.4	31.9	95.9
76	37.3	18.6	56.0

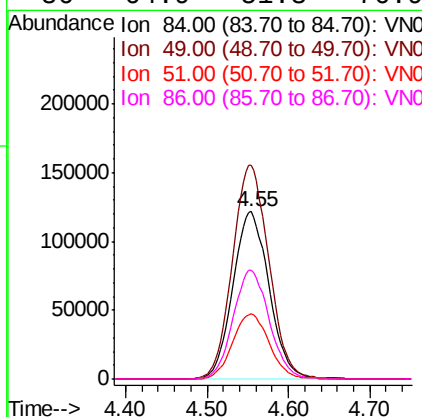
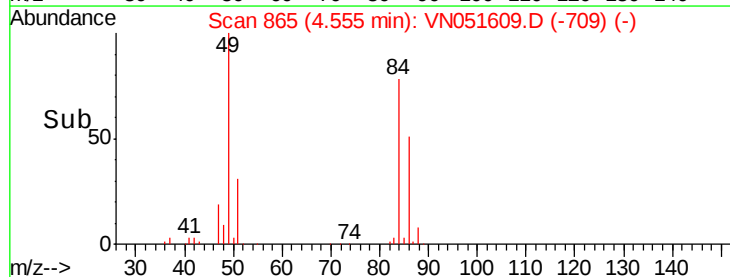
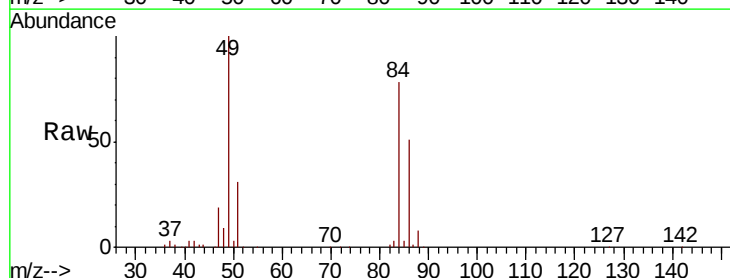
Manual Integrations
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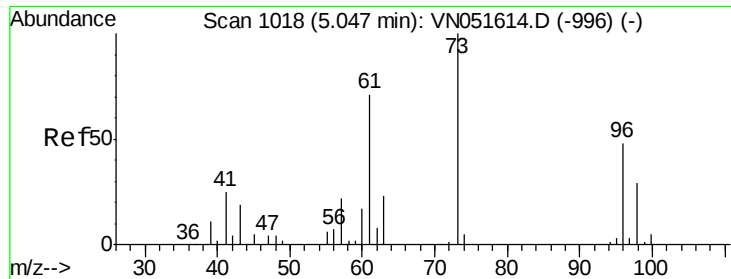
MMDadoda
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#18
Methylene Chloride
Concen: 49.745 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051609.D
Acq: 28 Sep 2018 9:04

Tgt Ion:	84	Resp:	374882
Ion	Ratio	Lower	Upper
84	100		
49	127.3	100.9	151.3
51	39.2	32.5	48.7
86	64.9	51.3	76.9





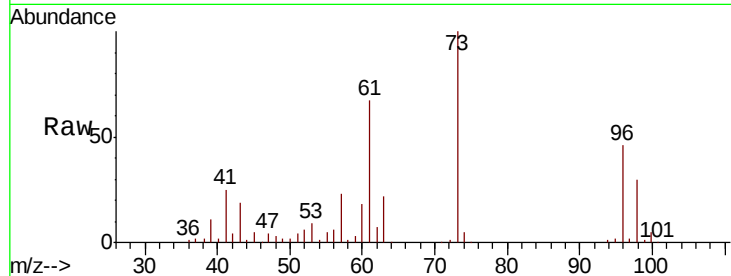
#19
trans-1,2-Dichloroethene
Concen: 50.064 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN051609.D
Acq: 28 Sep 2018 9:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.9	118.0	177.0
98	65.3	49.0	73.4

Manual Integrations
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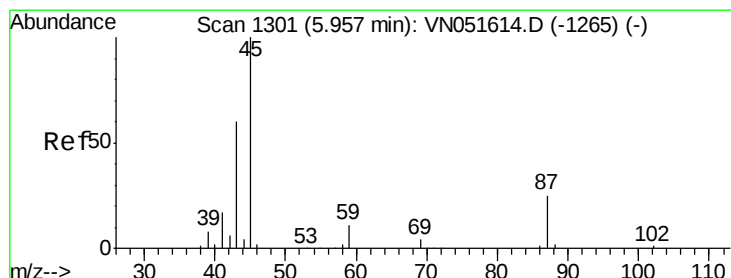
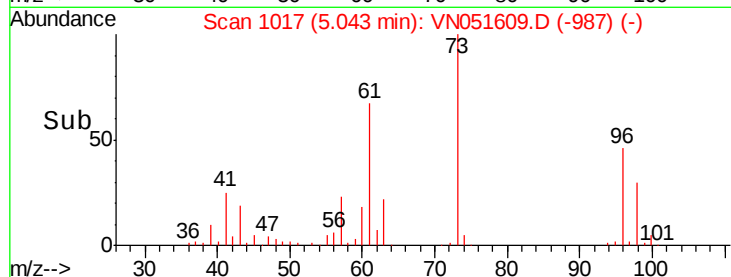
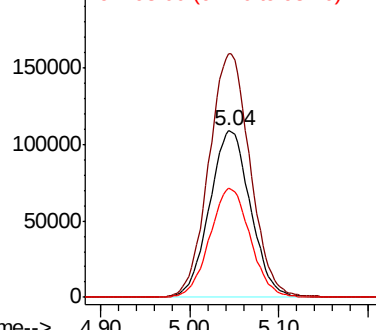


Abundance

Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO



#20
Diisopropyl ether
Concen: 52.164 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN051609.D
Acq: 28 Sep 2018 9:04

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.7	48.3	72.5
87	25.8	20.8	31.2
59	11.2	8.8	13.2

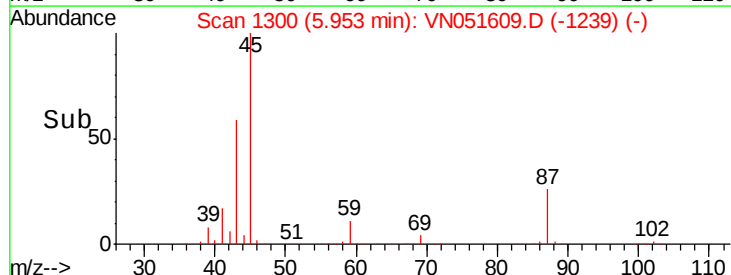
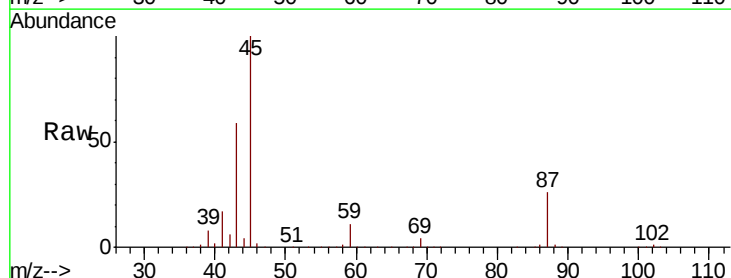
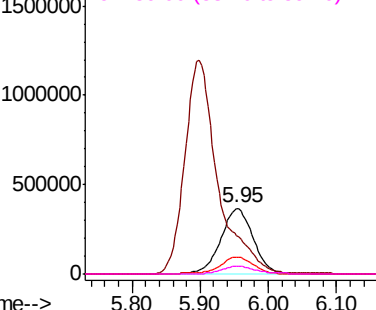
Abundance

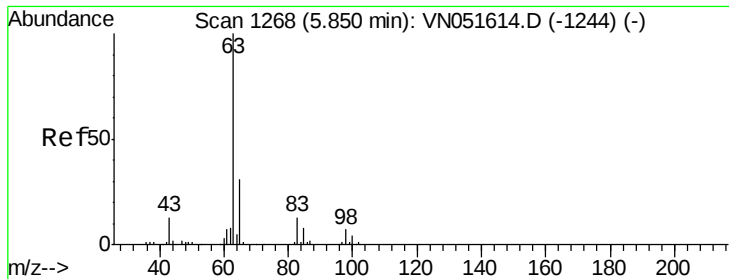
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





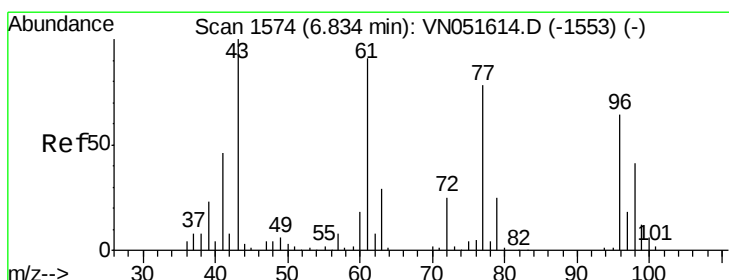
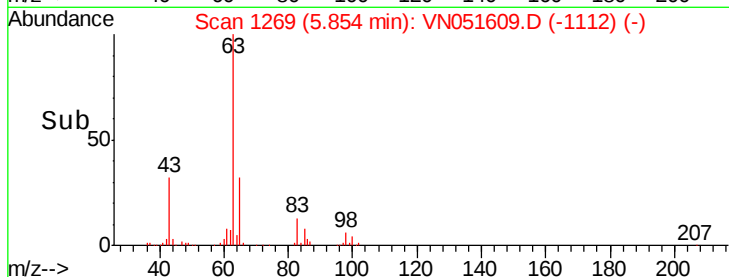
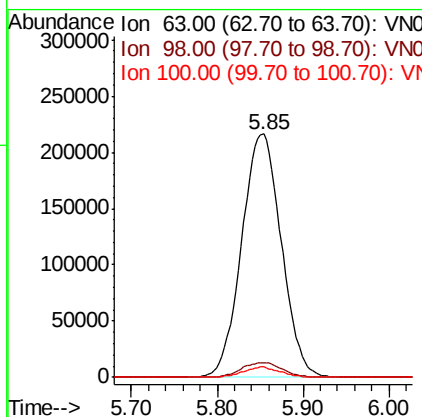
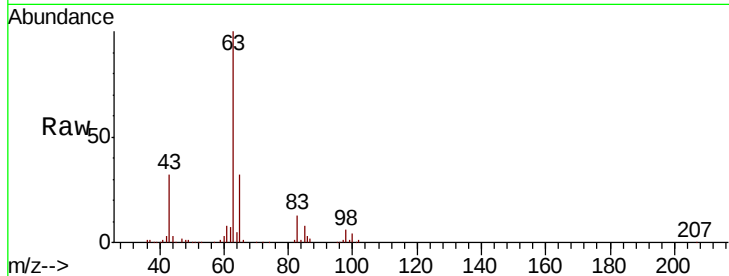
#21
 1,1-Dichloroethane
 Concen: 50.375 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN051609.D
 Acq: 28 Sep 2018 9:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion:	63	Resp:	694503
Ion Ratio	Lower	Upper	
63	100		
98	6.2	3.3	9.9
100	4.3	2.0	5.8

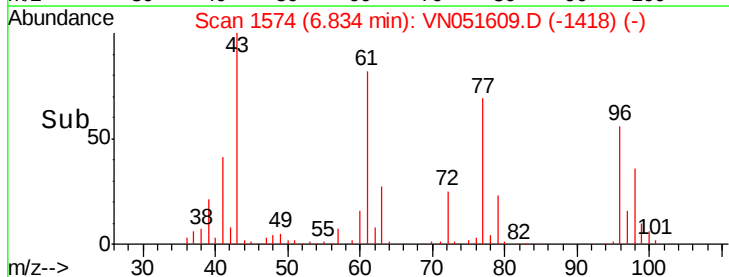
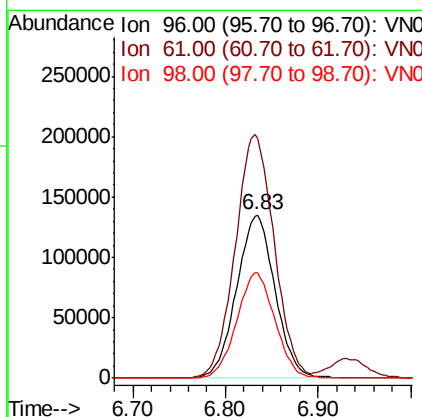
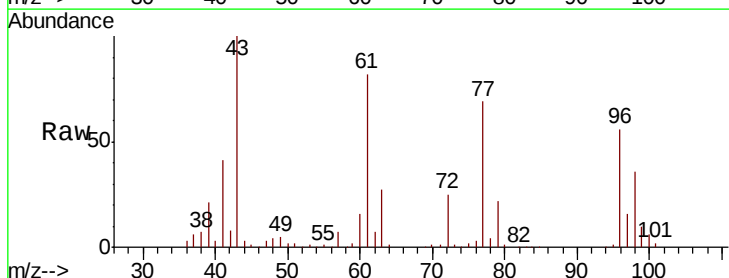
Manual Integrations
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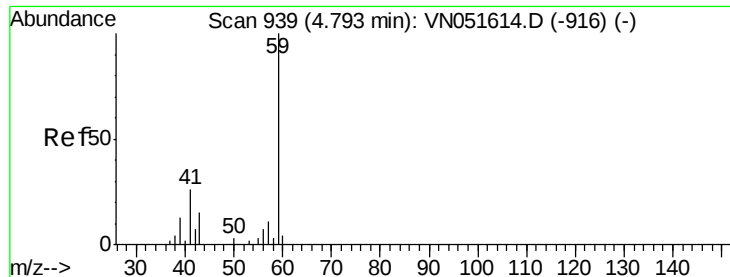
MMDadoda
 10/3/2018 5:27:36 PM



#22
 cis-1,2-Dichloroethene
 Concen: 50.976 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VN051609.D
 Acq: 28 Sep 2018 9:04

Tgt Ion:	96	Resp:	387385
Ion Ratio	Lower	Upper	
96	100		
61	151.5	120.4	180.6
98	64.2	51.4	77.0





#23

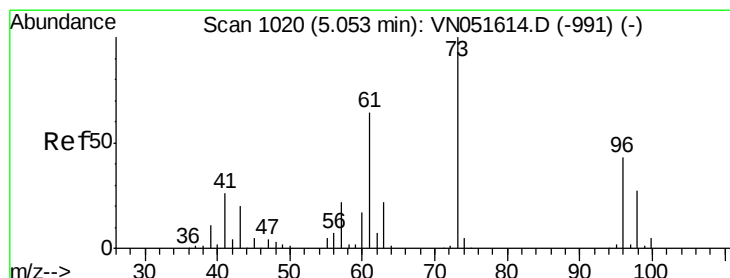
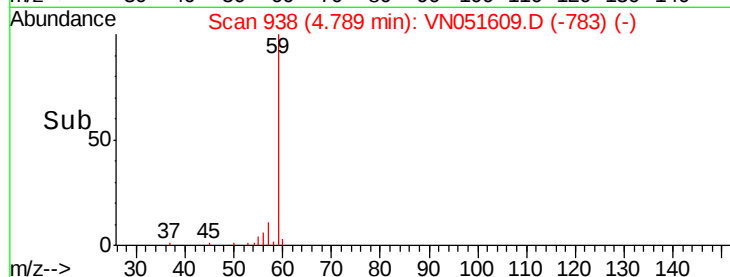
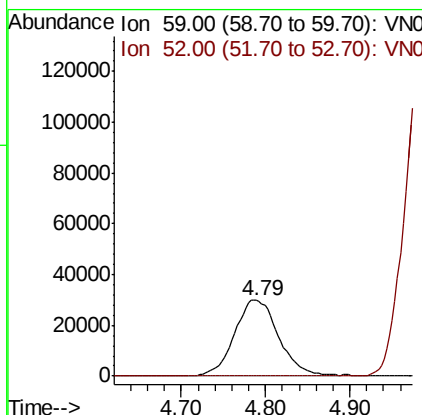
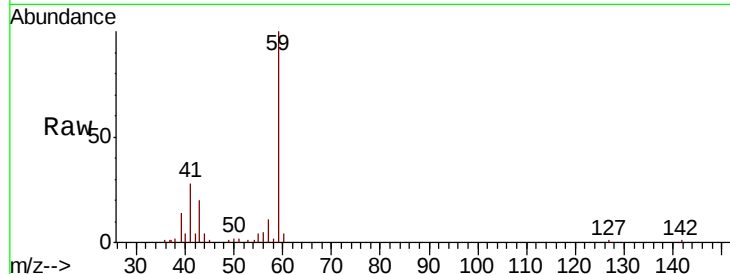
tert-Butyl Alcohol
 Concen: 248.156 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. -0.00 min
 Lab File: VN051609.D
 Acq: 28 Sep 2018 9:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

Manual Integrations
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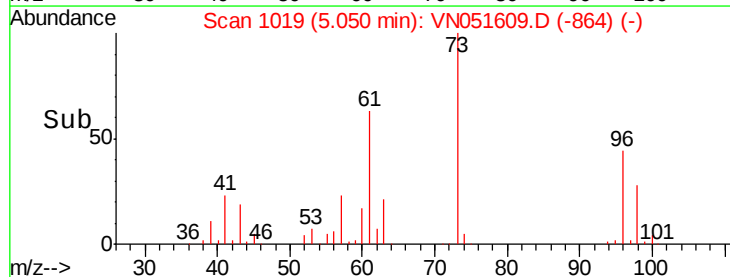
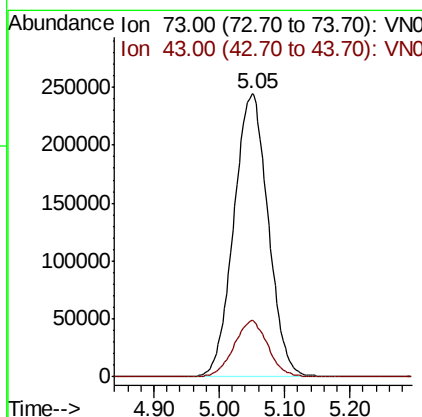
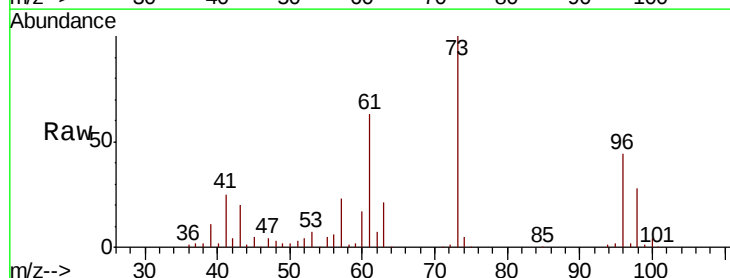
MMDadoda
 10/3/2018 5:27:36 PM

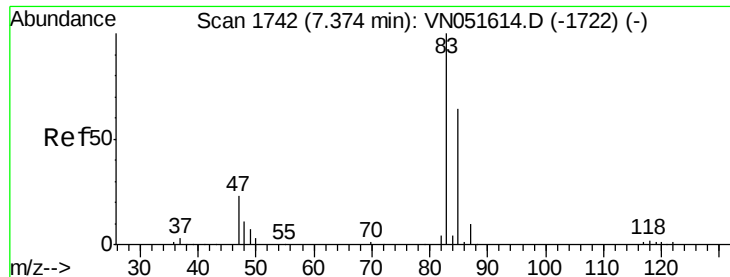


#24

Methyl tert-Butyl Ether
 Concen: 51.880 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VN051609.D
 Acq: 28 Sep 2018 9:04

Tgt Ion	Ratio	Lower	Upper
73	100		
43	19.3	16.1	24.1





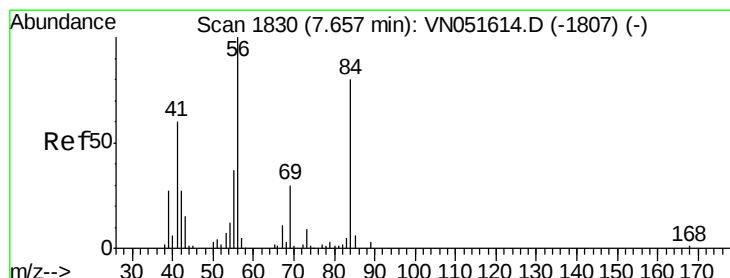
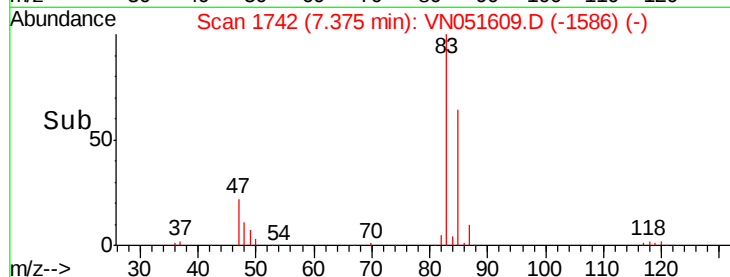
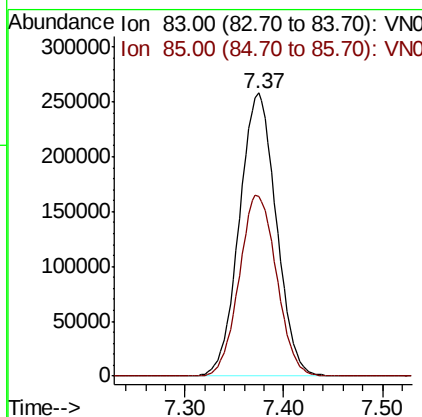
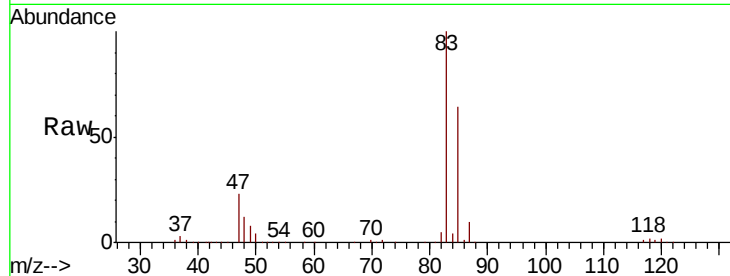
#25
Chloroform
Concen: 50.684 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051609.D
Acq: 28 Sep 2018 9:04

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	83	Resp	668126
Ion Ratio	100	Lower	Upper
83	100		
85	63.6	51.4	77.0

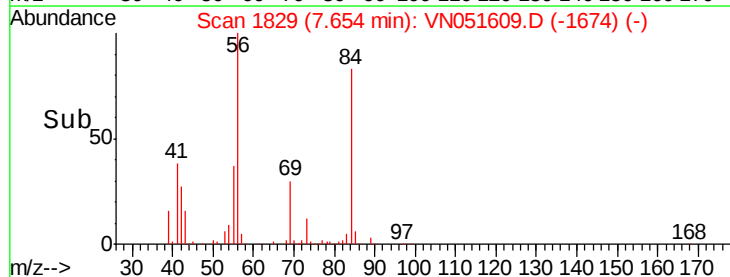
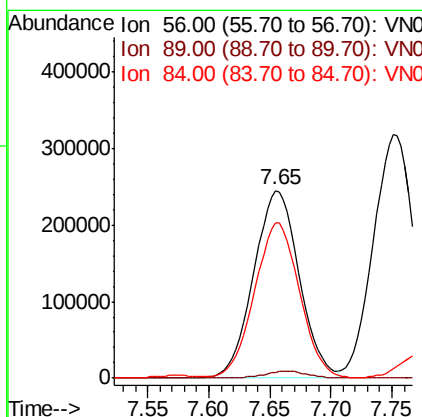
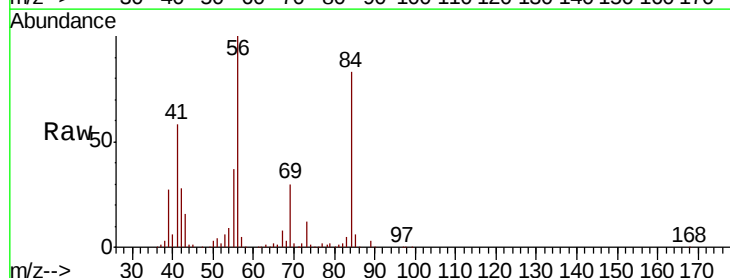
Manual Integrations
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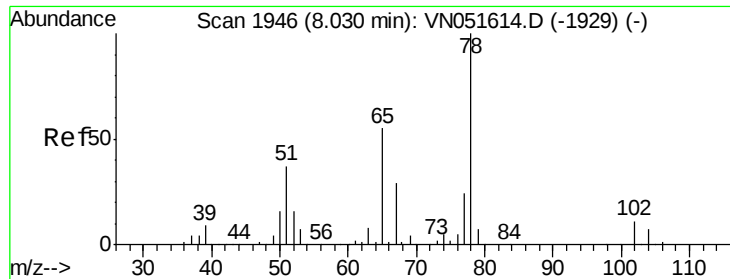
MMDadoda
10/3/2018 5:27:36 PM



#26
Cyclohexane
Concen: 53.295 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN051609.D
Acq: 28 Sep 2018 9:04

Tgt Ion	56	Resp	635844
Ion Ratio	100	Lower	Upper
56	100		
89	3.5	2.2	3.2#
84	82.4	65.0	97.4





#27

1,2-Dichloroethane-d4

Concen: 53.295 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051609.D

Acq: 28 Sep 2018 9:04

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

Tot Ion: 65 Resp: 227013

Ion Ratio Lower Upper

65 100

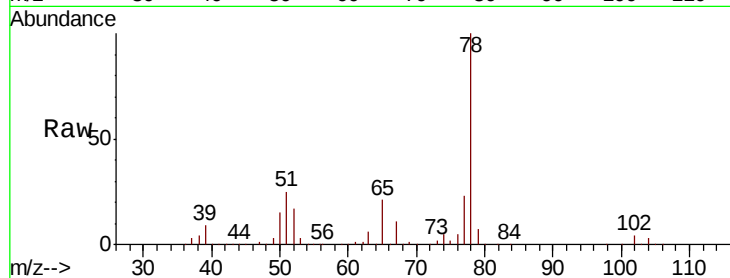
67 55.0 43.1 64.7

Manual Integrations

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Abundance Ion 65.00 (64.70 to 65.70): VN051614.D (-1929) (-)

Ion 67.00 (66.70 to 67.70): VN051614.D (-1929) (-)

8.03

100000

80000

60000

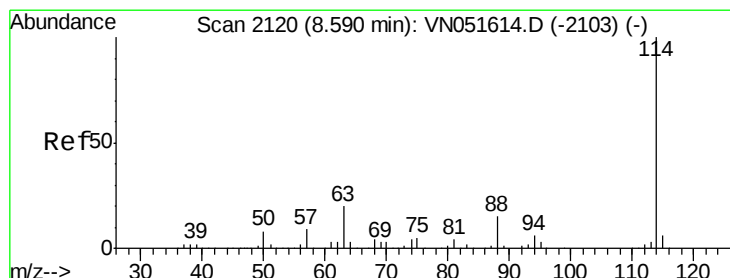
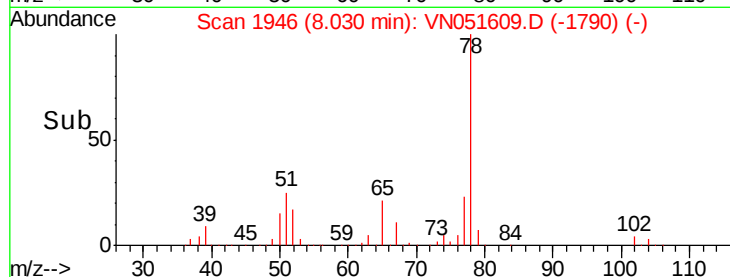
40000

20000

0

7.95 8.00 8.05 8.10

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN051609.D

Acq: 28 Sep 2018 9:04

Tgt Ion: 114 Resp: 596741

Ion Ratio Lower Upper

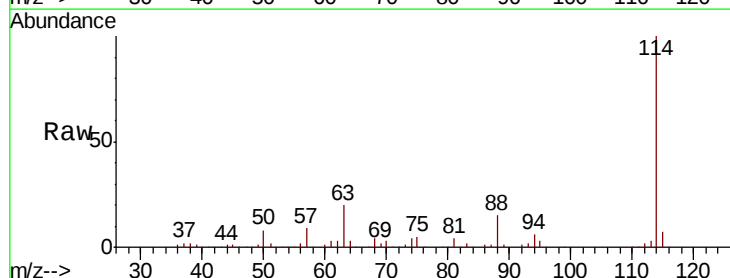
114 100

63 20.5

16.4 24.6

88 15.5

12.6 18.8



Abundance Ion 114.00 (113.70 to 114.70): VN051614.D (-2103) (-)

Ion 63.00 (62.70 to 63.70): VN051614.D (-2103) (-)

Ion 88.00 (87.70 to 88.70): VN051614.D (-2103) (-)

8.59

400000

300000

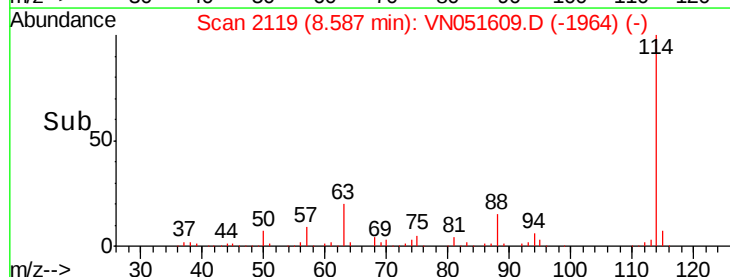
200000

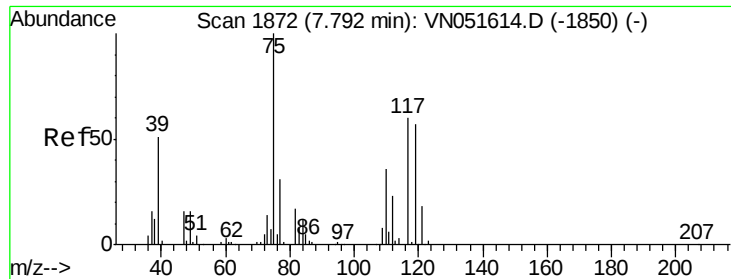
100000

0

8.50 8.55 8.60 8.65

Time-->





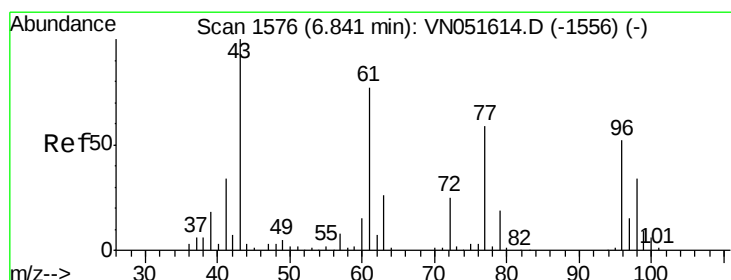
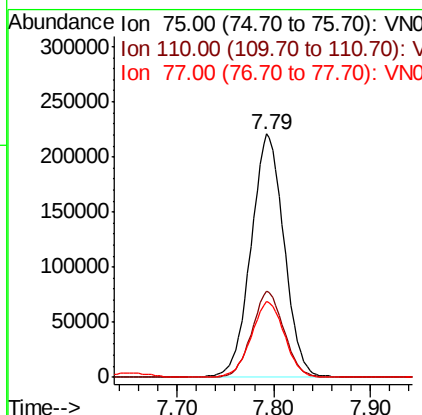
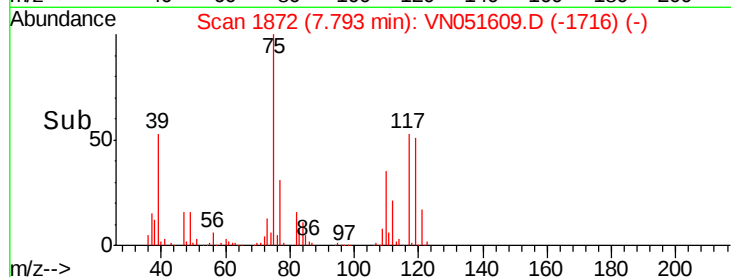
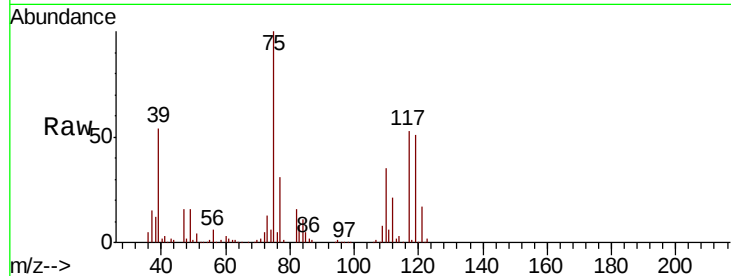
#29
 1,1-Dichloropropene
 Concen: 51.502 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN051609.D
 Acq: 28 Sep 2018 9:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	34.4	0.0	71.0
77	31.4	0.0	62.4

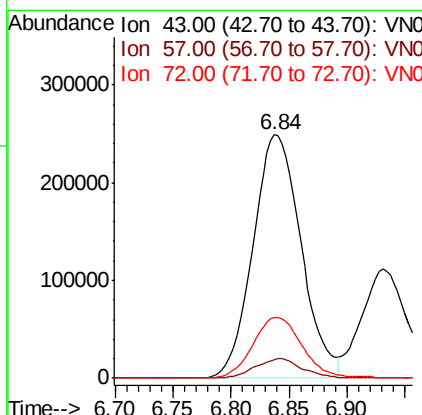
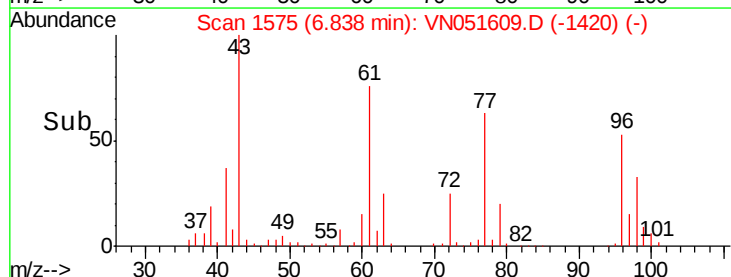
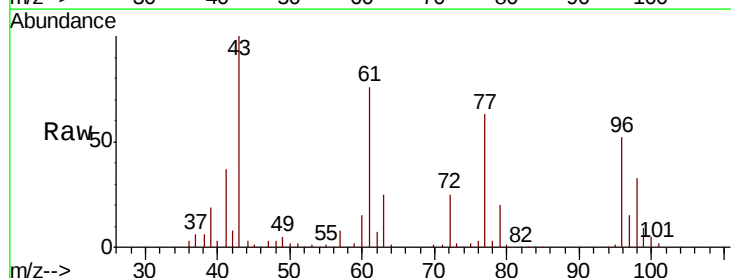
Manual Integrations
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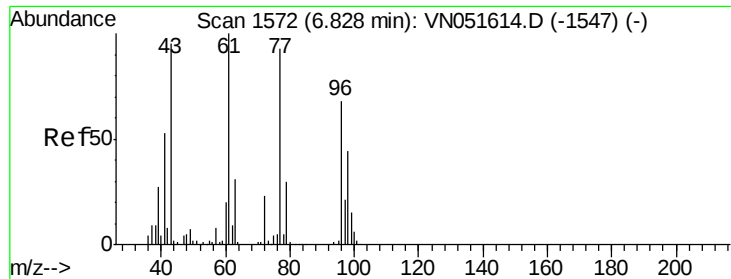
MMDadoda
 10/3/2018 5:27:36 PM



#30
 2-Butanone
 Concen: 258.503 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VN051609.D
 Acq: 28 Sep 2018 9:04

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	7.9	6.6	10.0
72	25.5	20.8	31.2





#31

2,2-Dichloropropane

Concen: 50.656 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN051609.D

Acq: 28 Sep 2018 9:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 77 Resp: 556321

Ion Ratio Lower Upper

77 100

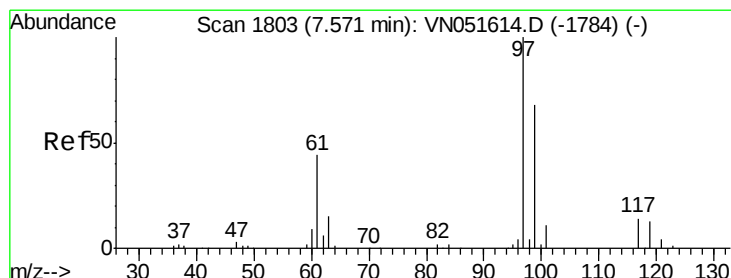
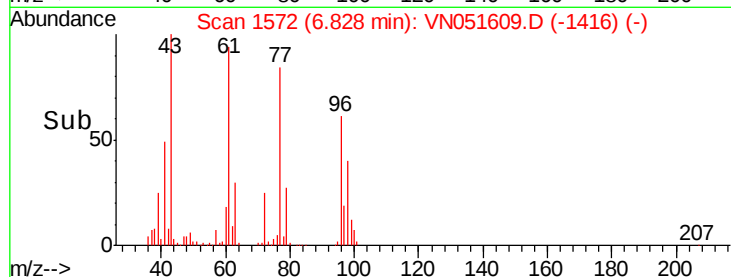
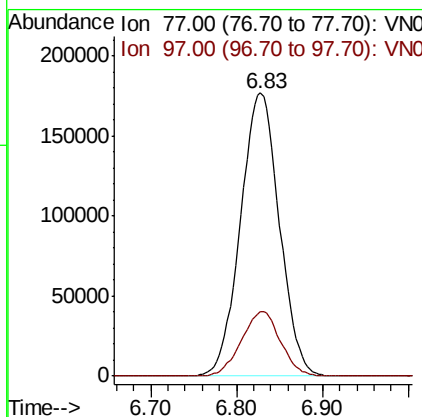
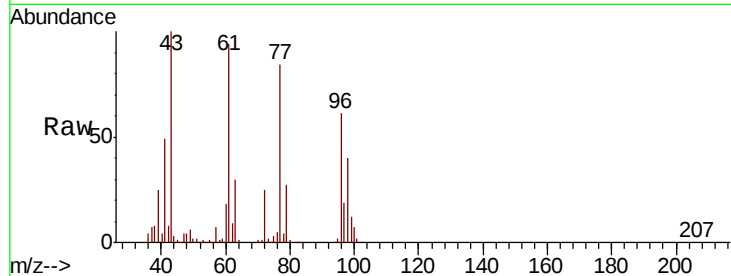
97 23.0 18.6 28.0

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10/3/2018 5:27:36 PM



#32

1,1,1-Trichloroethane

Concen: 49.973 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN051609.D

Acq: 28 Sep 2018 9:04

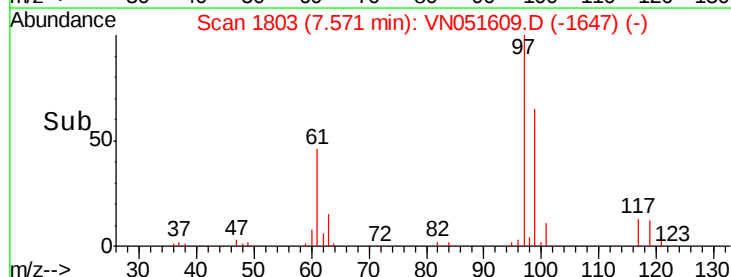
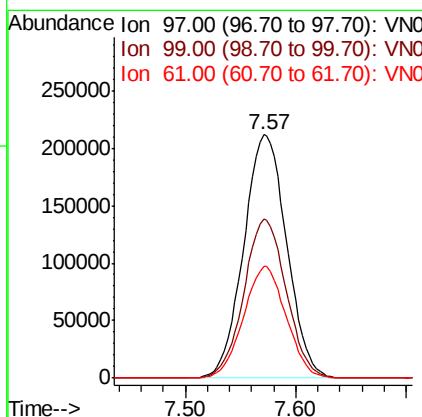
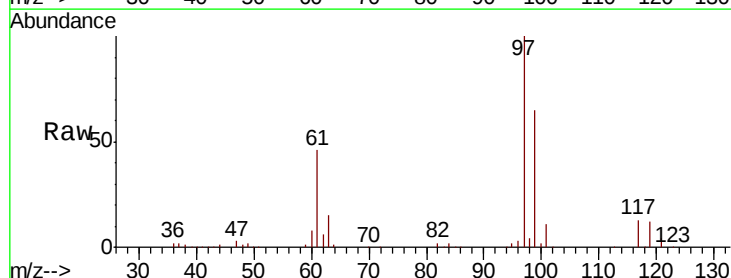
Tgt Ion: 97 Resp: 571348

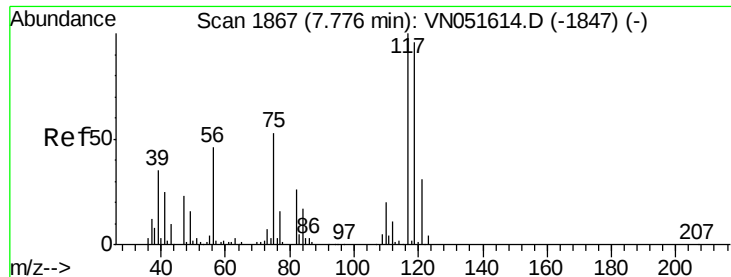
Ion Ratio Lower Upper

97 100

99 64.4 52.2 78.4

61 45.5 36.2 54.4





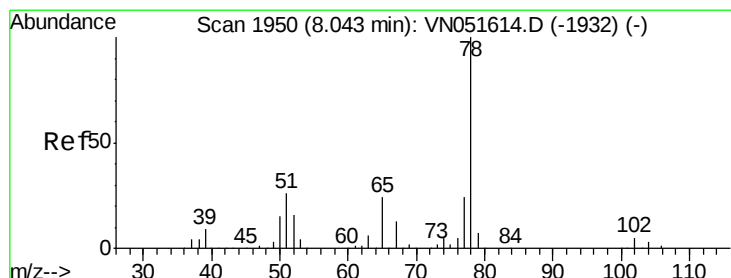
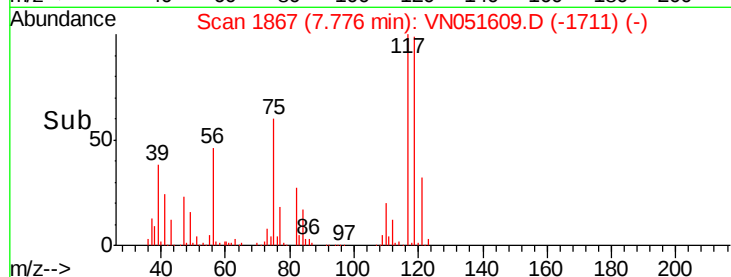
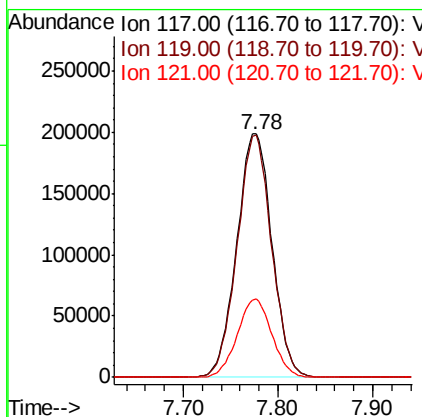
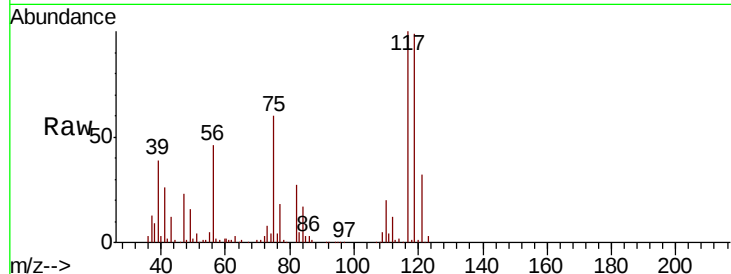
#33
Carbon Tetrachloride
Concen: 50.006 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051609.D
Acq: 28 Sep 2018 9:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
117	100		
119	99.3	76.5	114.7
121	32.2	25.0	37.6

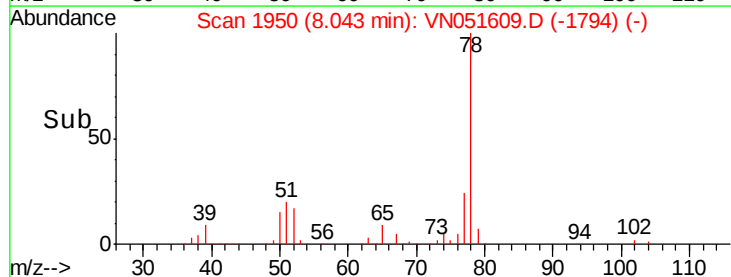
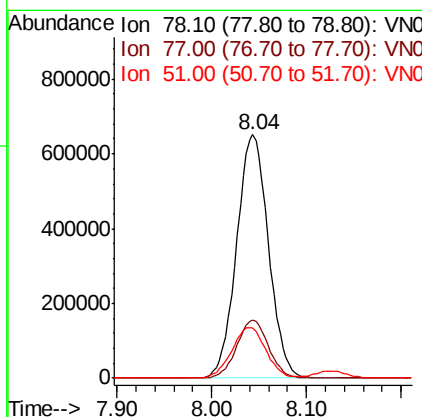
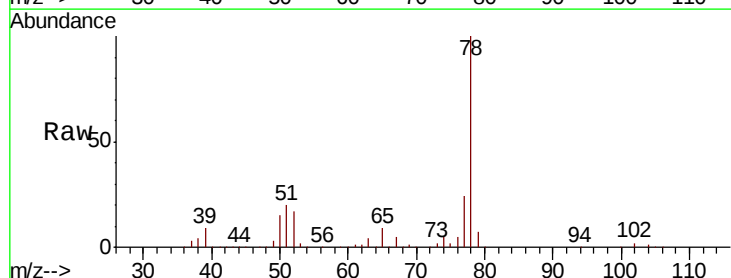
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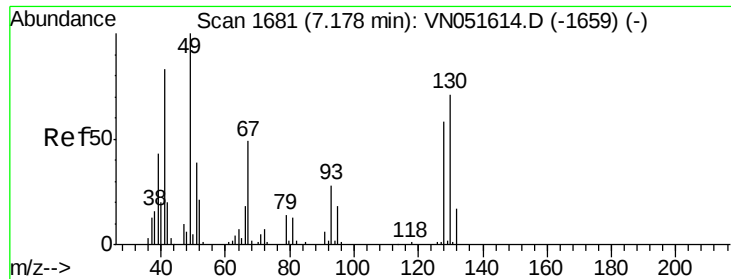
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#34
Benzene
Concen: 50.533 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051609.D
Acq: 28 Sep 2018 9:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.3	28.9
51	20.4	20.8	31.2#





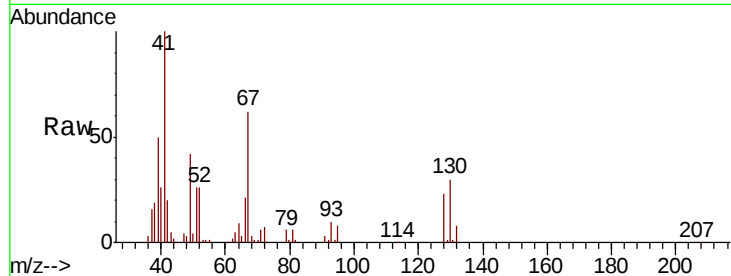
#35
Methacrylonitrile
Concen: 50.185 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN051609.D
Acq: 28 Sep 2018 9:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

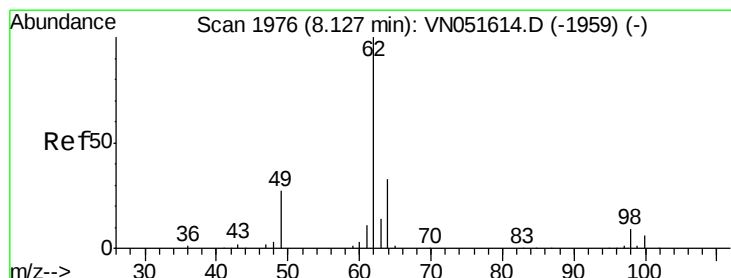
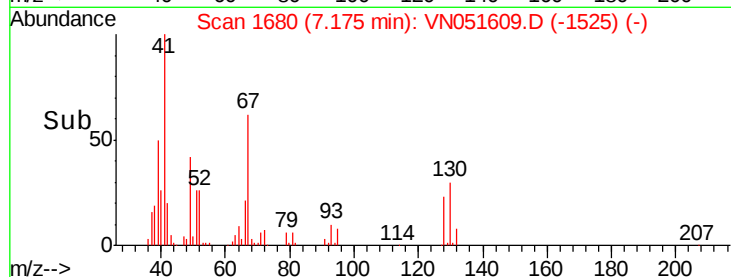
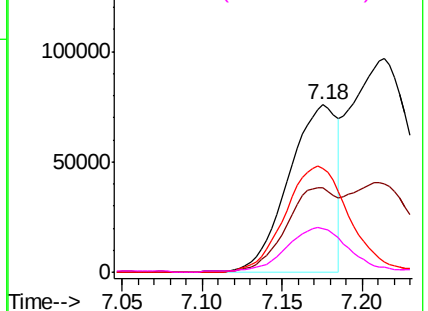
Tot Ion	Ratio	Lower	Upper
41	100		
39	50.2	25.6	76.8
67	62.4	29.4	88.2
52	26.0	12.5	37.5

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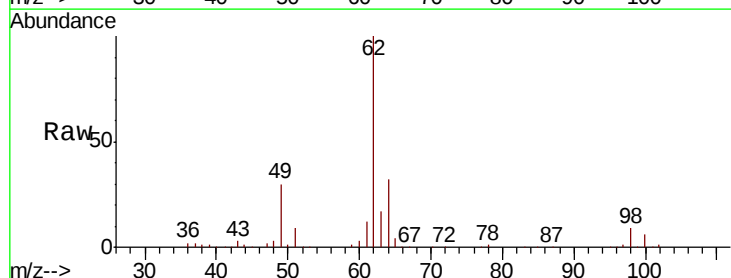


Abundance Ion 41.00 (40.70 to 41.70): VN051614.D (-1659) (-)
Ion 39.00 (38.70 to 39.70): VN051614.D (-1659) (-)
Ion 67.00 (66.70 to 67.70): VN051614.D (-1659) (-)
Ion 52.00 (51.70 to 52.70): VN051614.D (-1659) (-)

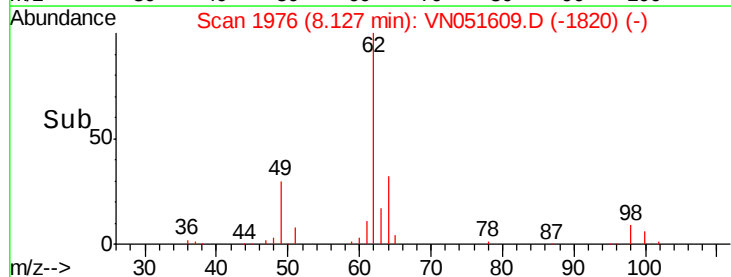
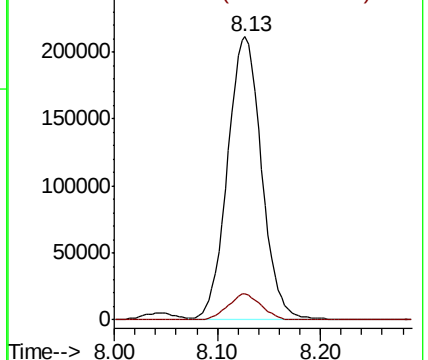


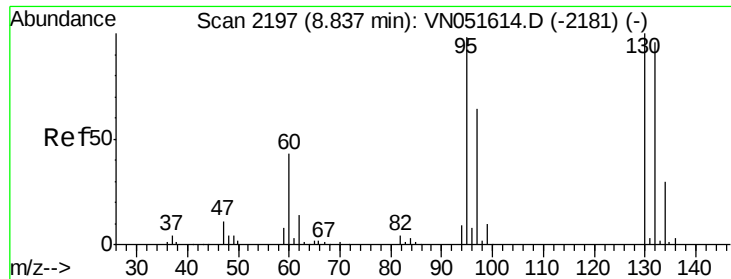
#36
1,2-Dichloroethane
Concen: 50.288 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051609.D
Acq: 28 Sep 2018 9:04

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.1	7.4	11.2



Abundance Ion 62.00 (61.70 to 62.70): VN051614.D (-1959) (-)
Ion 98.00 (97.70 to 98.70): VN051614.D (-1959) (-)





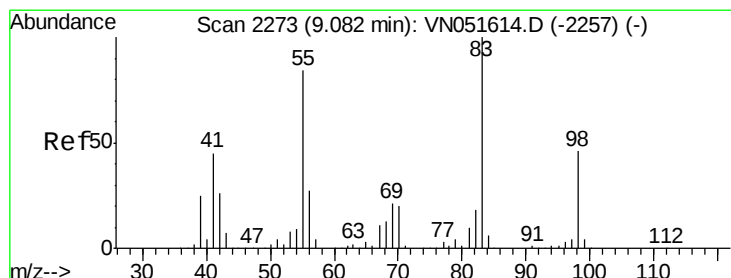
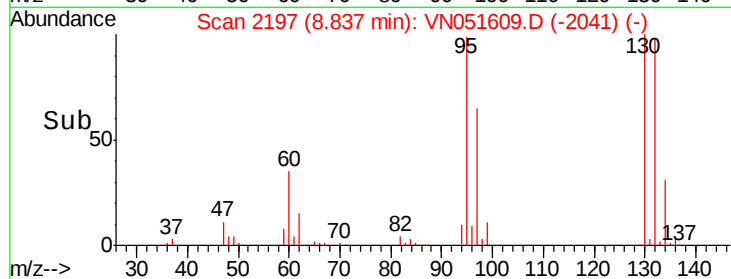
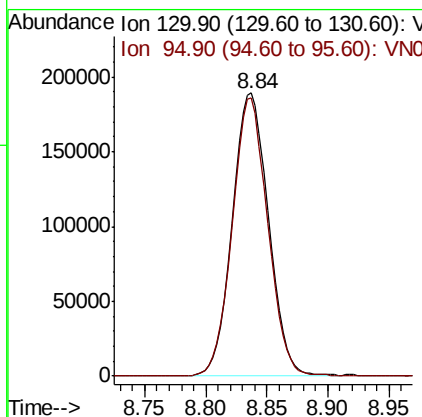
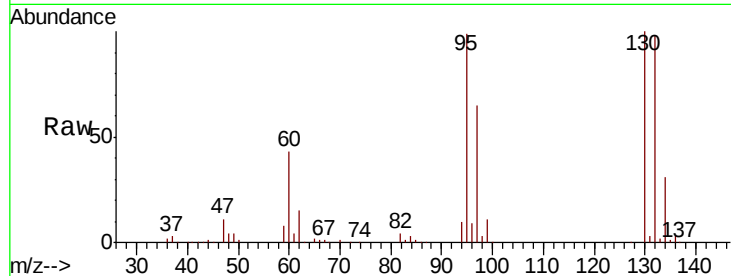
#37
 Trichloroethene
 Concen: 50.139 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN051609.D
 Acq: 28 Sep 2018 9:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
130	100		388620		
95	98.4	78.4	117.6		

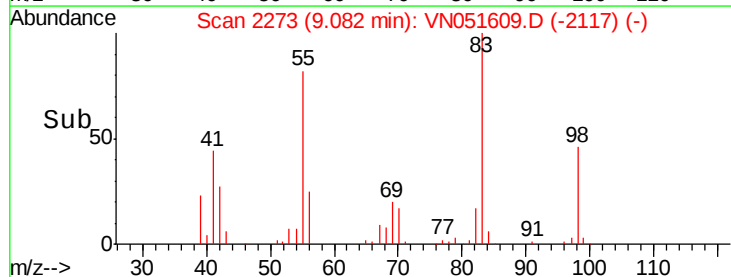
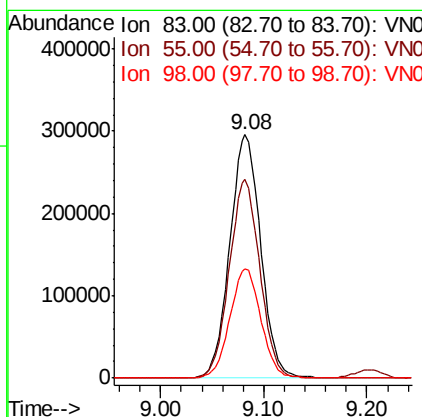
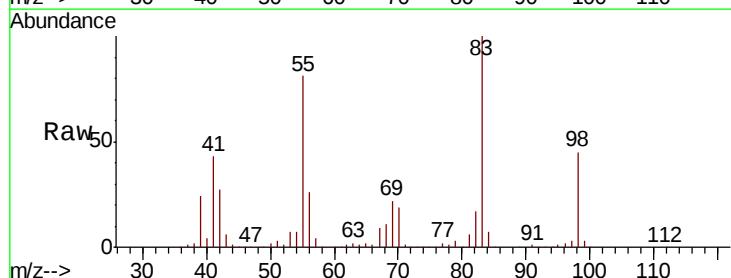
Manual Integrations
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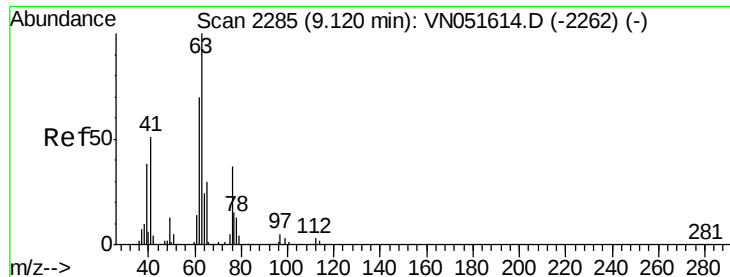
MMDadoda
 10/3/2018 5:27:36 PM



#38
 Methylcyclohexane
 Concen: 52.485 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN051609.D
 Acq: 28 Sep 2018 9:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		616264		
55	80.9	41.6	124.9		
98	45.3	23.1	69.2		





#39

1,2-Dichloropropane

Concen: 50.387 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051609.D

Acq: 28 Sep 2018 9:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 63 Resp: 416810

Ion Ratio Lower Upper

63 100

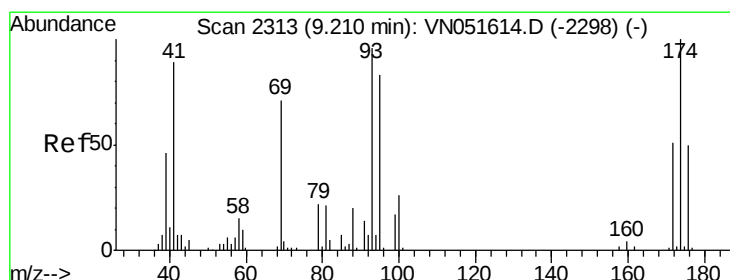
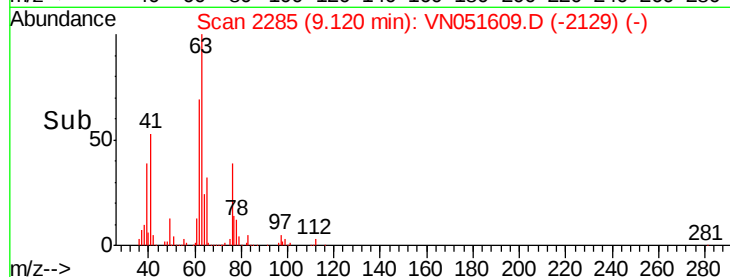
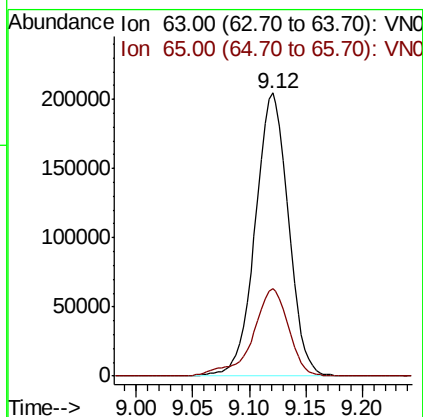
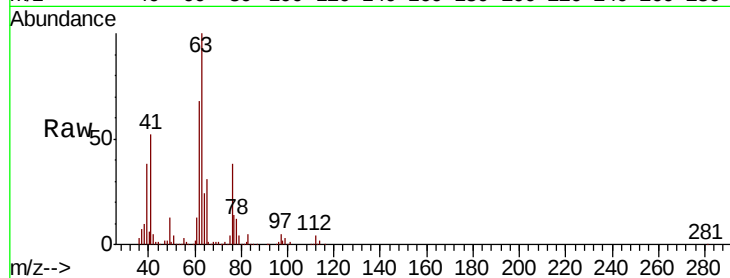
65 30.8 24.4 36.6

Manual Integrations

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#40

Dibromomethane

Concen: 50.544 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN051609.D

Acq: 28 Sep 2018 9:04

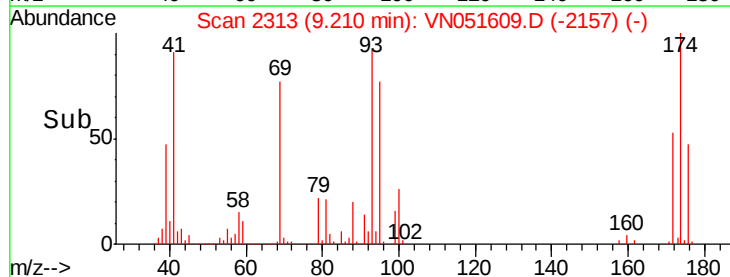
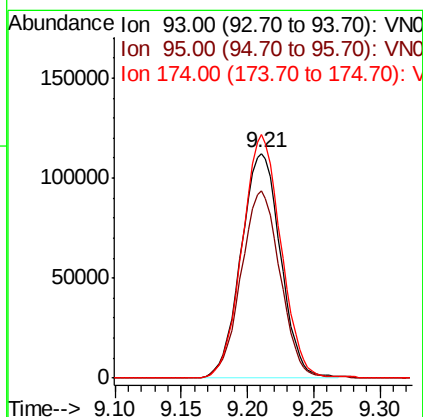
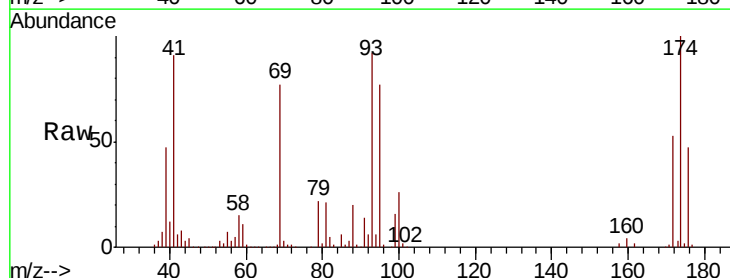
Tgt Ion: 93 Resp: 232262

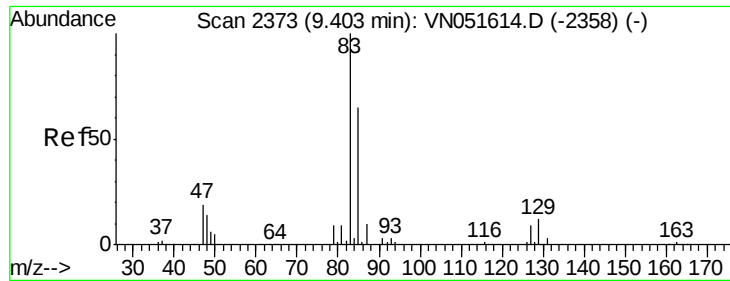
Ion Ratio Lower Upper

93 100

95 82.9 0.0 171.0

174 106.2 0.0 212.0





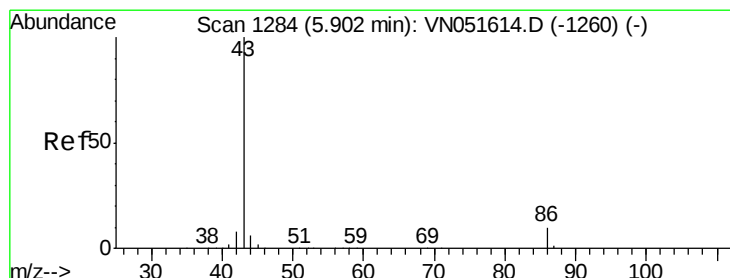
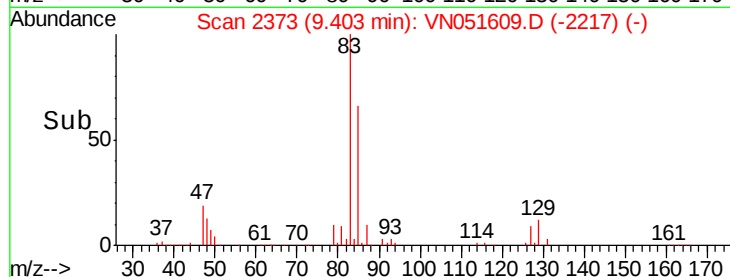
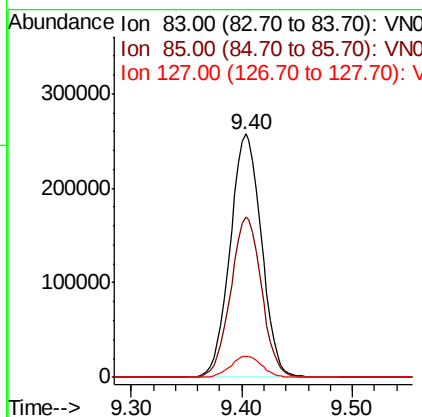
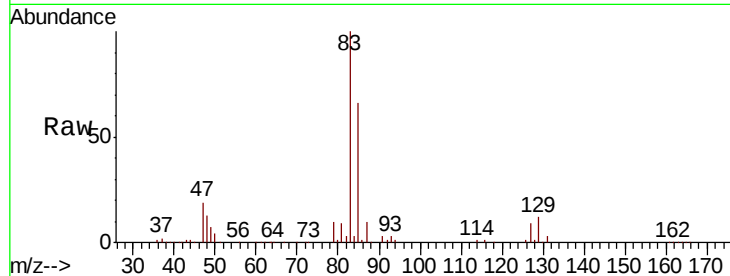
#41
Bromodichloromethane
Concen: 50.513 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN051609.D
Acq: 28 Sep 2018 9:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	83	Resp	506671
Ion Ratio	100	Lower	Upper
83	100		
85	66.0	52.1	78.1
127	8.7	7.1	10.7

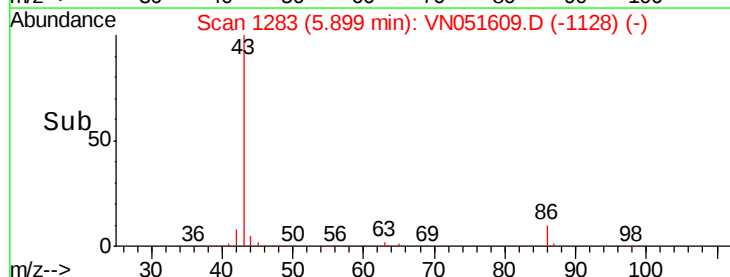
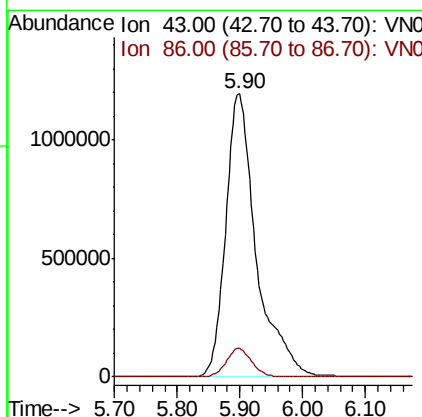
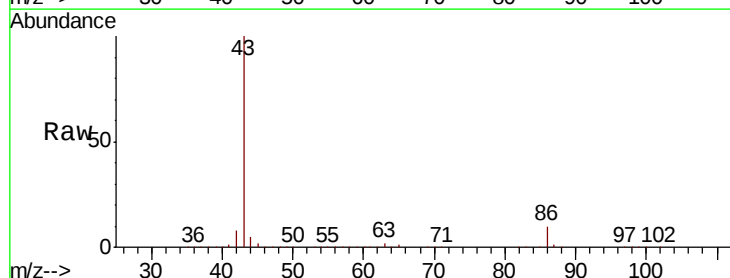
Manual Integrations
APPROVED

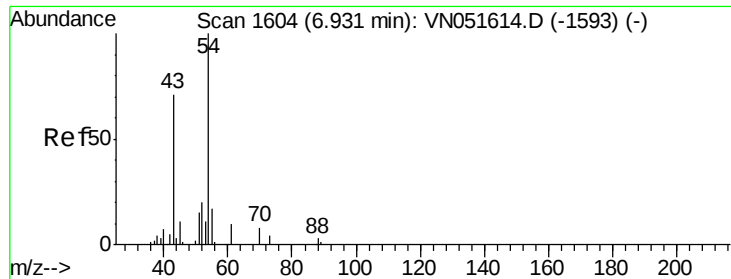
MMDadoda
10/3/2018 5:27:36 PM



#42
Vinyl Acetate
Concen: 262.380 ug/l
RT: 5.90 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VN051609.D
Acq: 28 Sep 2018 9:04

Tgt Ion	43	Resp	4045351
Ion Ratio	100	Lower	Upper
43	100		
86	8.5	6.6	9.8





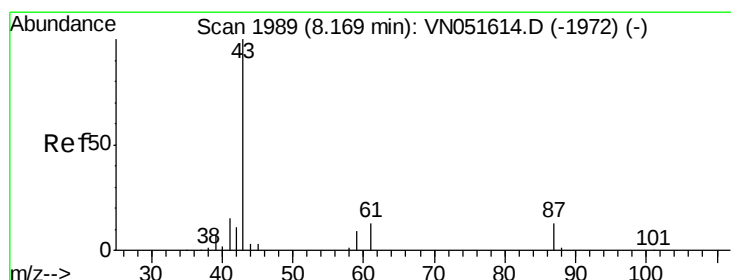
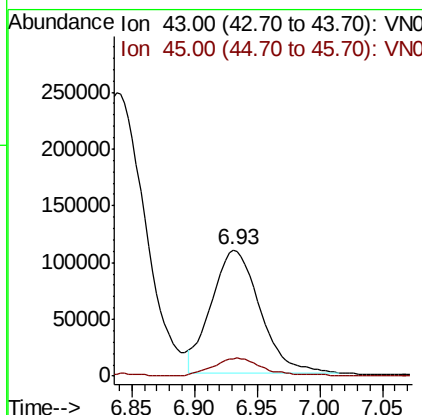
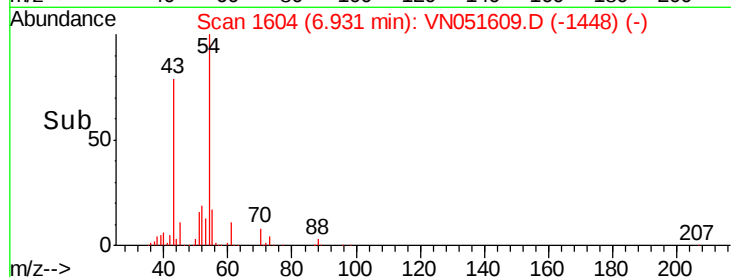
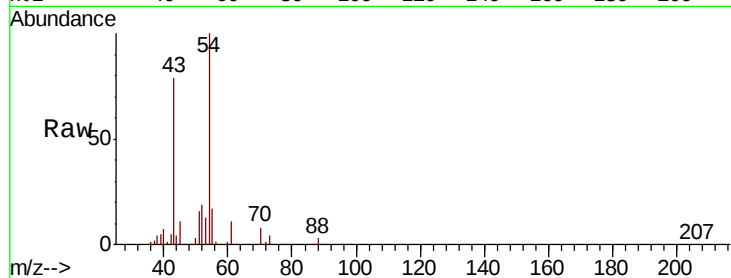
#43
Ethyl Acetate
Concen: 49.981 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN051609.D
Acq: 28 Sep 2018 9:04

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	43	45	Ratio	Lower	Upper
292994	100	13.5		10.6	16.0

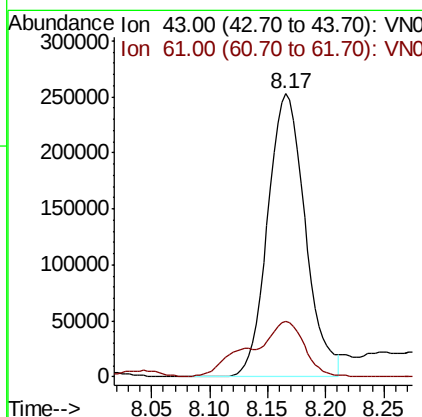
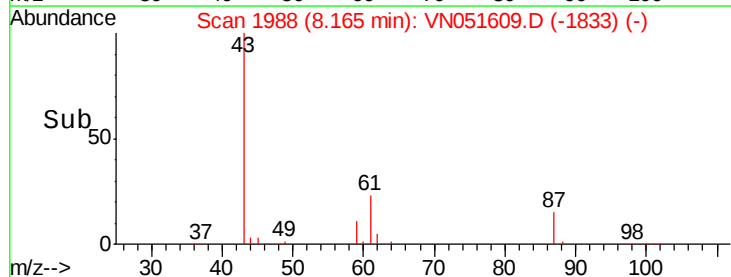
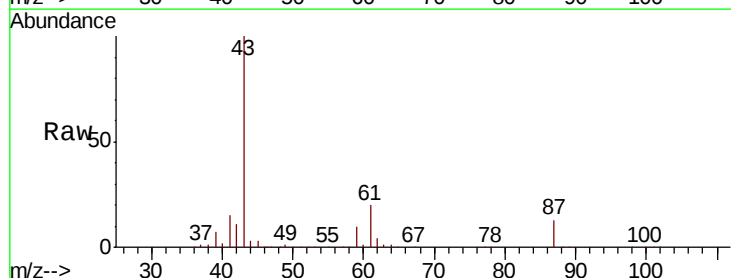
Manual Integrations
APPROVED

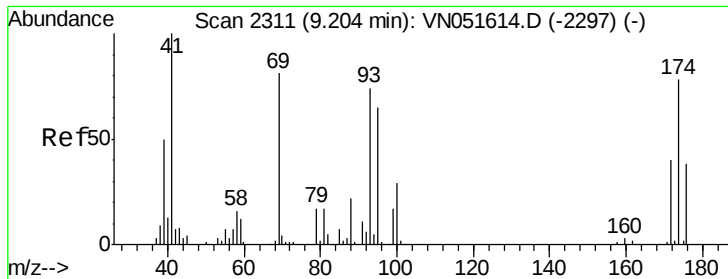
MMDadoda
10/3/2018 5:27:36 PM



#44
Isopropyl Acetate
Concen: 49.358 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN051609.D
Acq: 28 Sep 2018 9:04

Tgt Ion	43	61	Ratio	Lower	Upper
566536	100	18.4		15.4	23.0





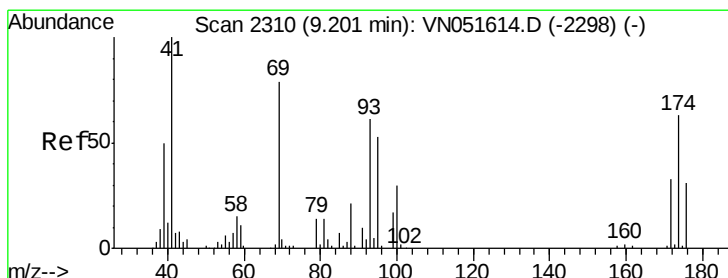
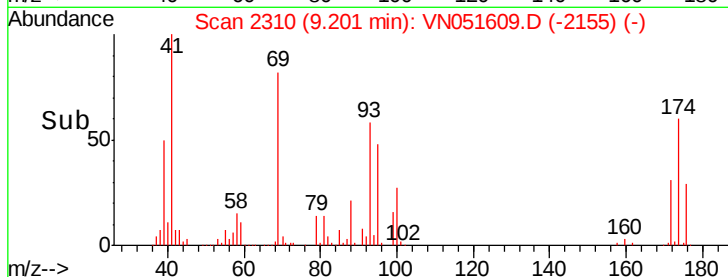
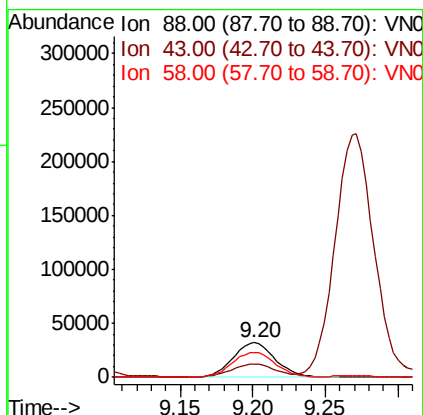
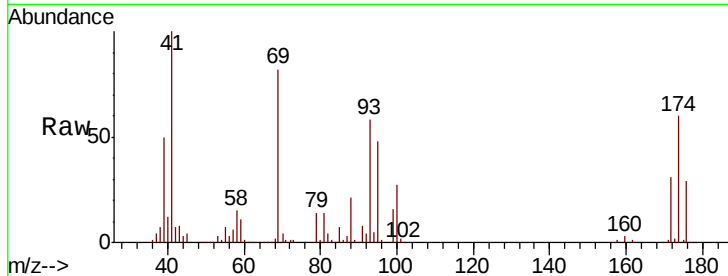
#45
 1,4-Dioxane
 Concen: 1053.796 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN051609.D
 Acq: 28 Sep 2018 9:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.6	29.0	43.6
58	73.7	59.0	88.6

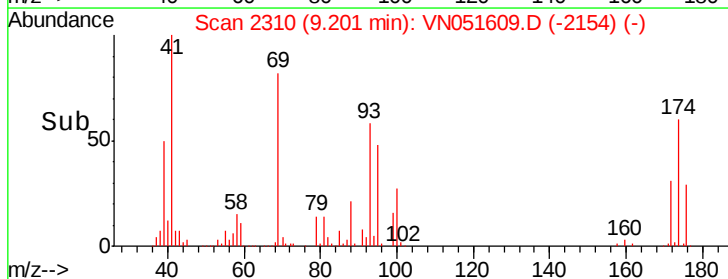
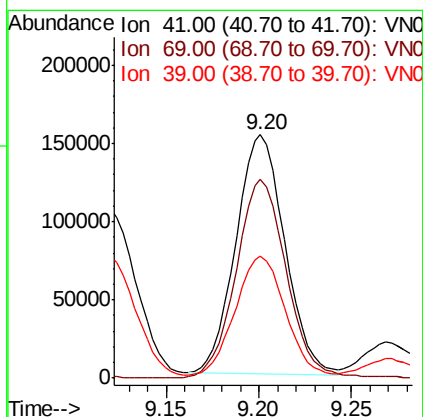
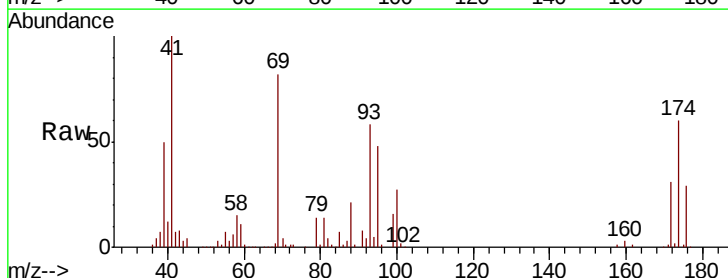
Manual Integrations
 APPROVED

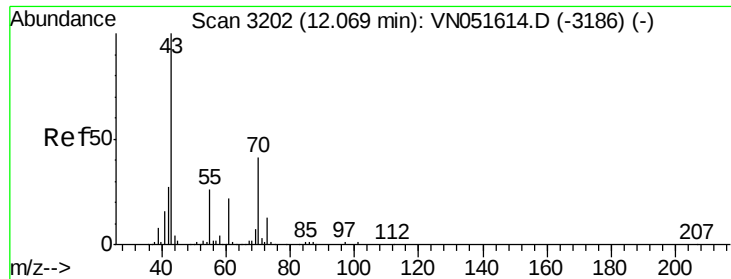
MMDadoda
 10/3/2018 5:27:36 PM



#46
 Methyl methacrylate
 Concen: 52.608 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN051609.D
 Acq: 28 Sep 2018 9:04

Tgt Ion	Ratio	Lower	Upper
41	100		
69	82.7	39.6	118.7
39	49.6	24.9	74.6





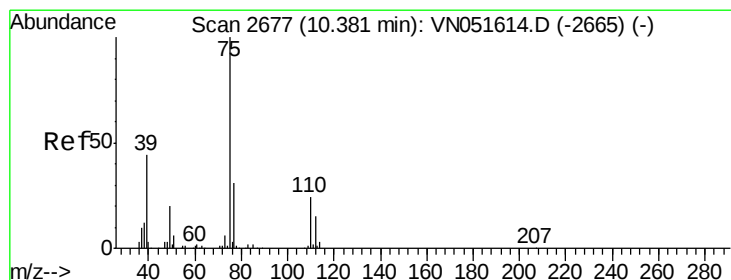
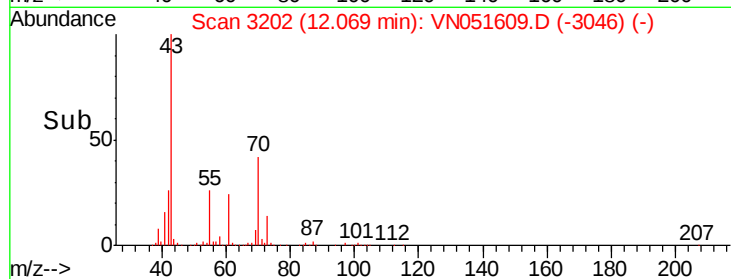
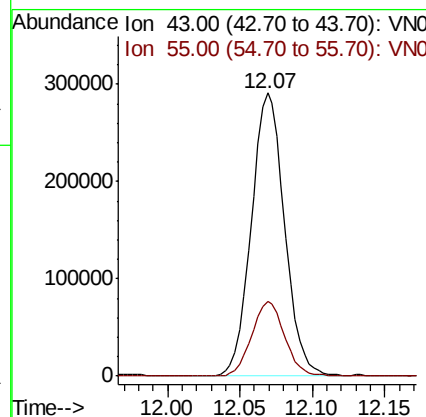
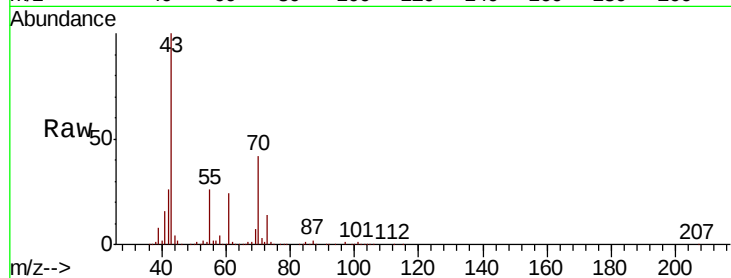
#47
n-amyl Acetate
Concen: 53.845 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN051609.D
Acq: 28 Sep 2018 9:04

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	43	Resp	462425
Ion Ratio	Lower	Upper	
43	100		
55	26.4	21.5	32.3

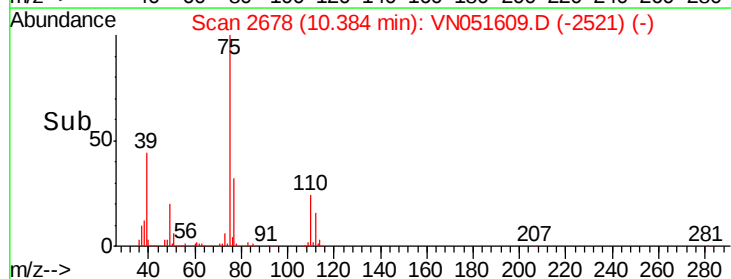
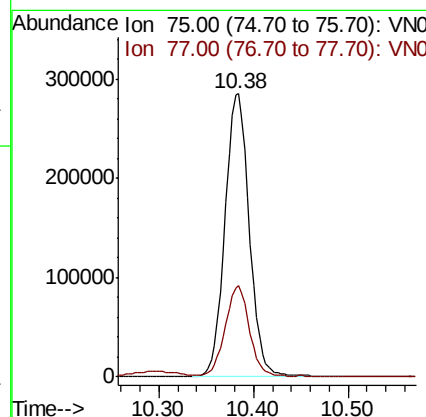
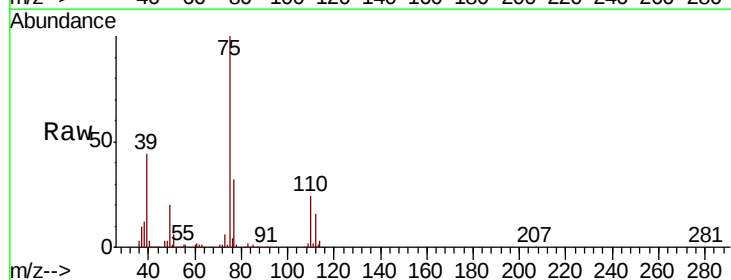
Manual Integrations
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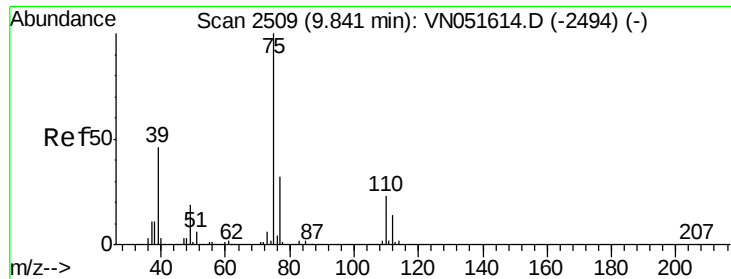
MMDadoda
10/3/2018 5:27:36 PM



#48
t-1,3-Dichloropropene
Concen: 51.016 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN051609.D
Acq: 28 Sep 2018 9:04

Tgt Ion	75	Resp	510734
Ion Ratio	Lower	Upper	
75	100		
77	32.0	26.0	39.0





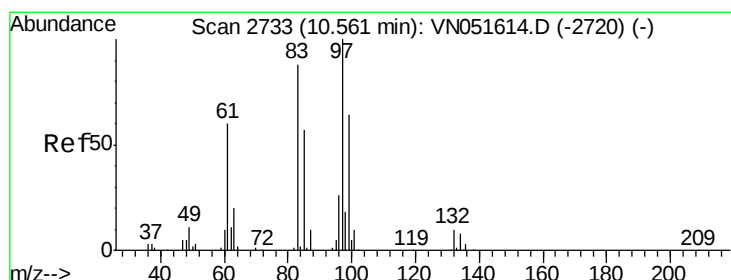
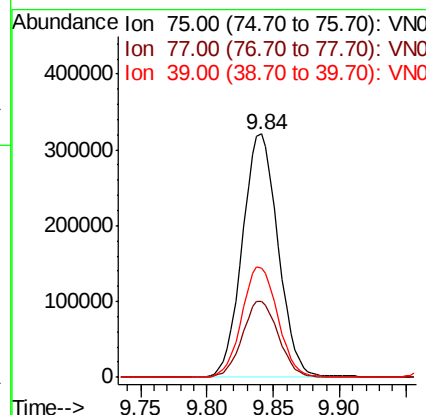
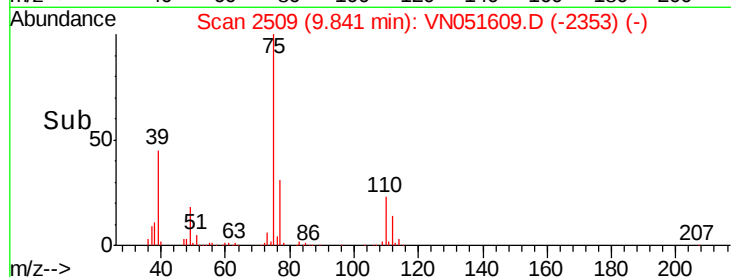
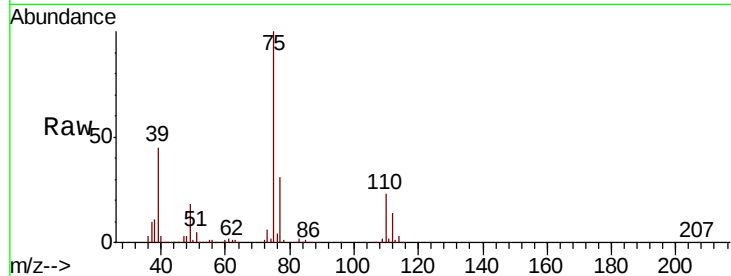
#49
 cis-1,3-Dichloropropene
 Concen: 51.387 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN051609.D
 Acq: 28 Sep 2018 9:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.4	38.0
39	45.1	36.6	55.0

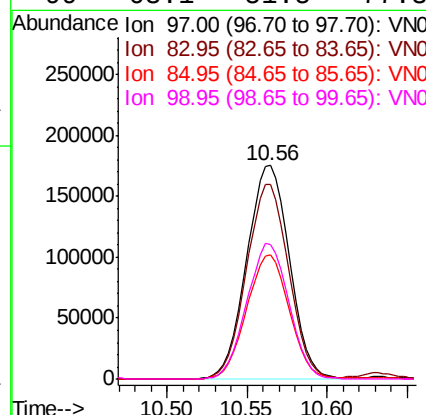
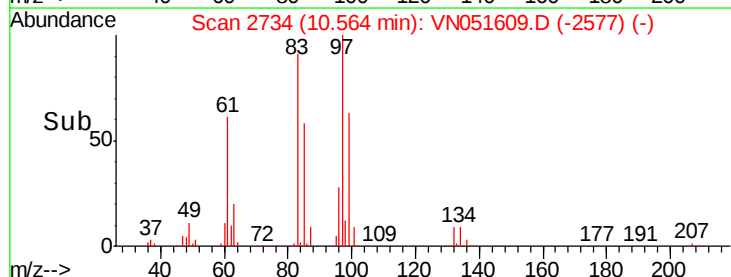
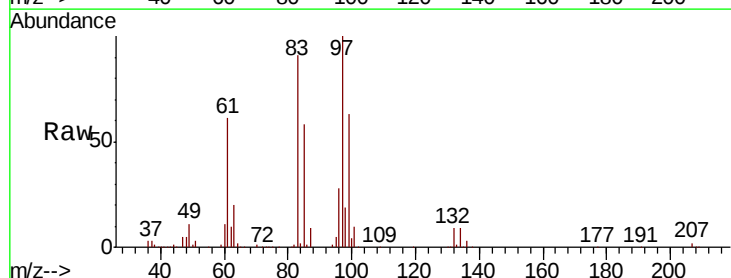
Manual Integrations
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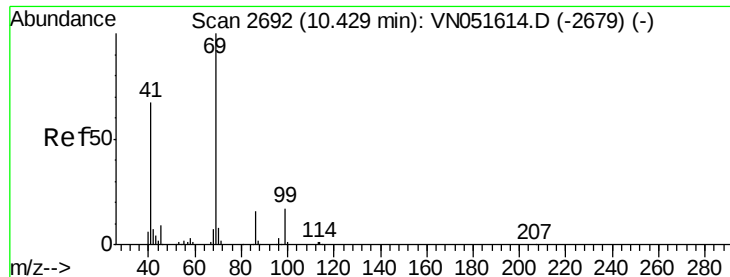
MMDadoda
 10/3/2018 5:27:36 PM



#50
 1,1,2-Trichloroethane
 Concen: 49.555 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051609.D
 Acq: 28 Sep 2018 9:04

Tgt Ion	Ratio	Lower	Upper
97	100		
83	91.1	70.2	105.2
85	58.0	45.6	68.4
99	63.1	51.5	77.3





#51

Ethyl methacrylate

Concen: 52.246 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN051609.D

Acq: 28 Sep 2018 9:04

Instrument :

MSVOA_N

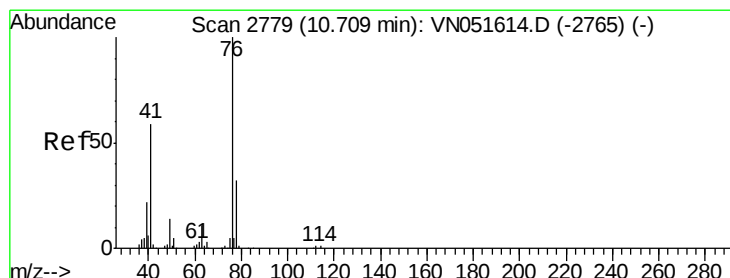
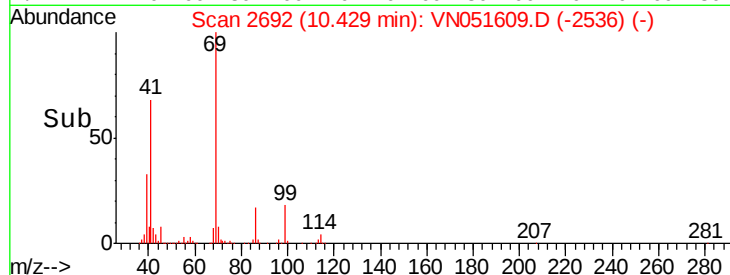
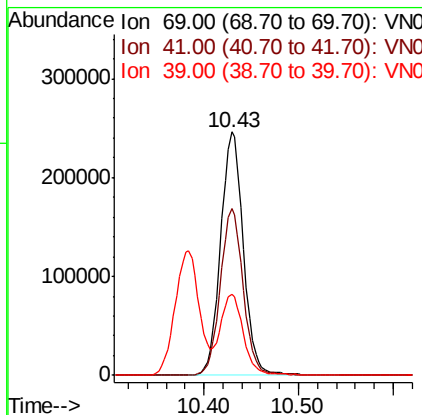
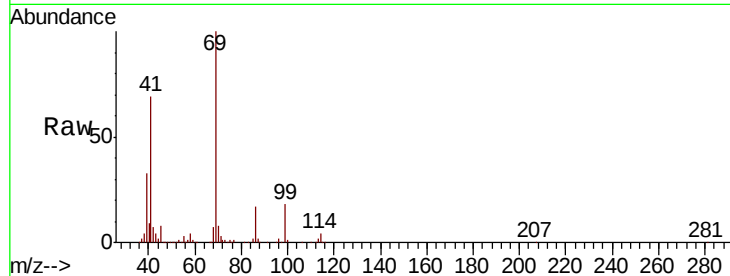
ClientSampleId :

VSTDIC050

Tot Ion:	69	Resp:	411646
Ion	Ratio	Lower	Upper
69	100		
41	68.3	33.3	99.8
39	33.2	17.2	51.6

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 50.775 ug/l

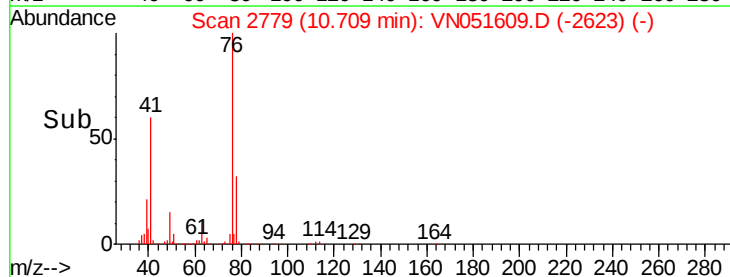
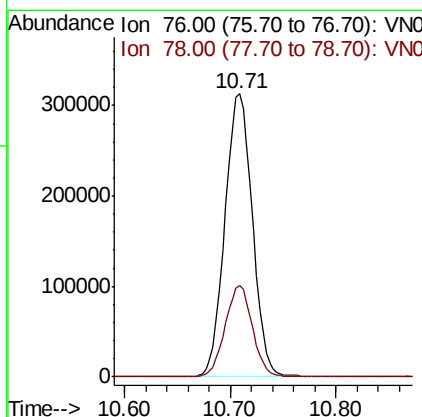
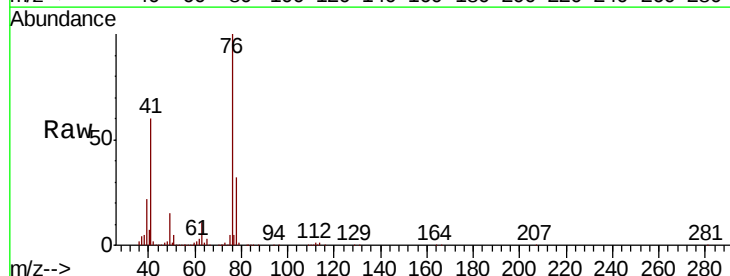
RT: 10.71 min Scan# 2779

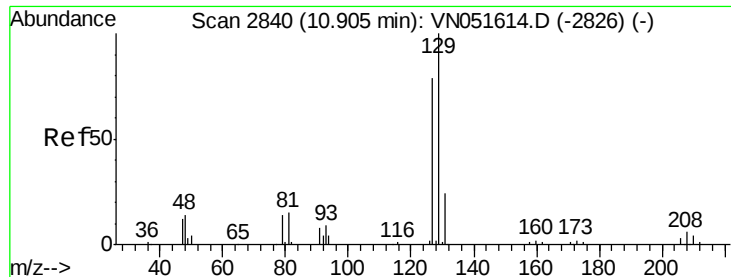
Delta R.T. 0.00 min

Lab File: VN051609.D

Acq: 28 Sep 2018 9:04

Tgt Ion:	76	Resp:	565354
Ion	Ratio	Lower	Upper
76	100		
78	31.7	0.0	63.4





#53

Dibromochloromethane

Concen: 50.710 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN051609.D

Acq: 28 Sep 2018 9:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion:129 Resp: 375060

Ion Ratio Lower Upper

129 100

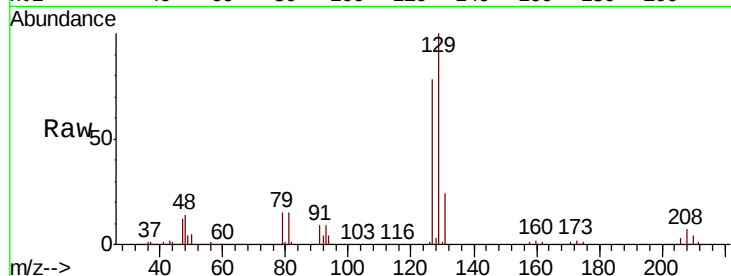
127 76.9 38.9 116.7

Manual Integrations

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

200000

150000

100000

50000

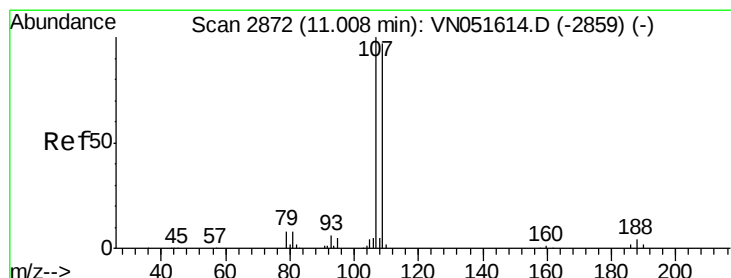
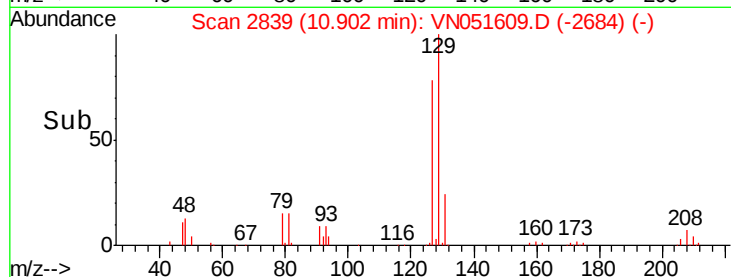
0

10.80

10.90

11.00

Time-->



#54

1,2-Dibromoethane

Concen: 50.899 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN051609.D

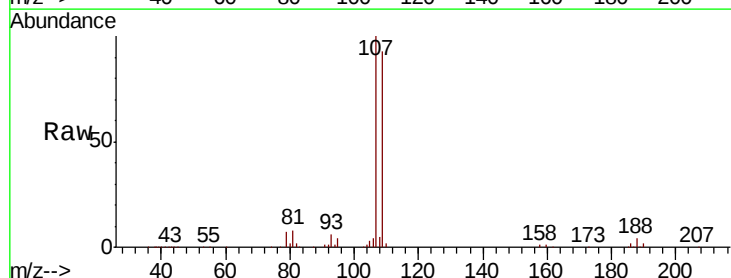
Acq: 28 Sep 2018 9:04

Tgt Ion:107 Resp: 317161

Ion Ratio Lower Upper

107 100

109 94.5 76.5 114.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

200000

150000

100000

50000

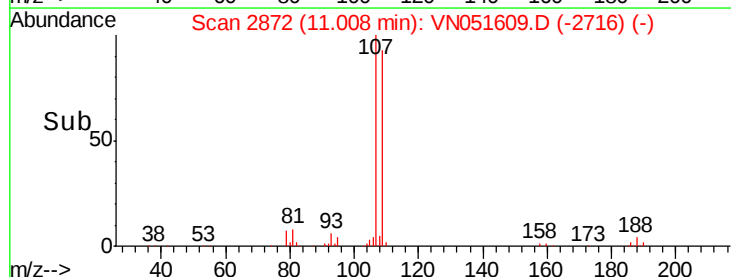
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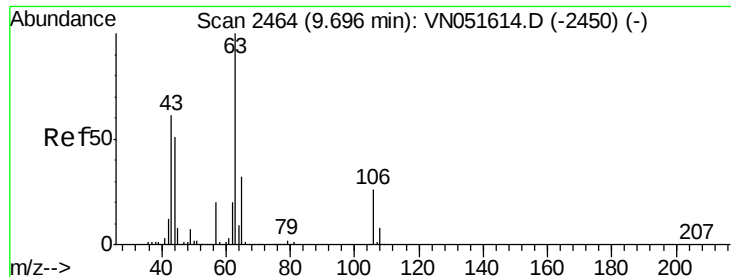
10.90

11.00

11.10

Time-->





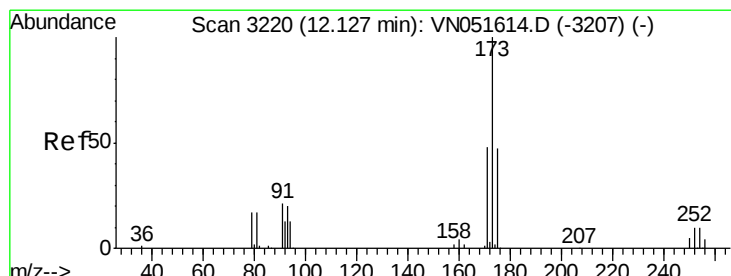
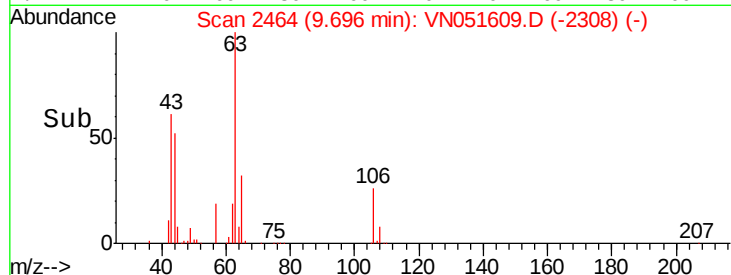
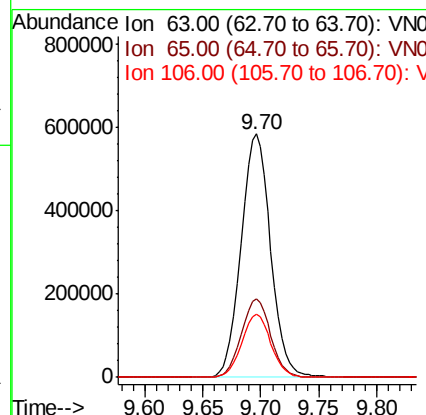
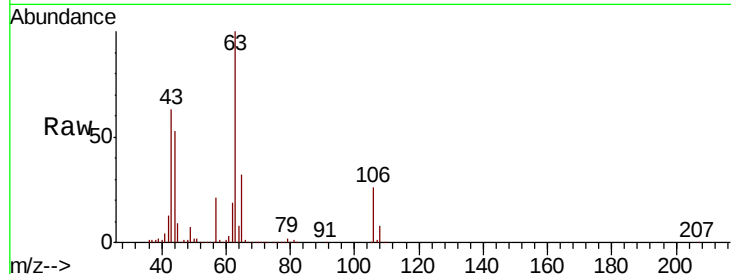
#55
2-Chloroethyl vinyl ether
Concen: 263.507 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN051609.D
Acq: 28 Sep 2018 9:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.8	38.6
106	25.8	20.4	30.6

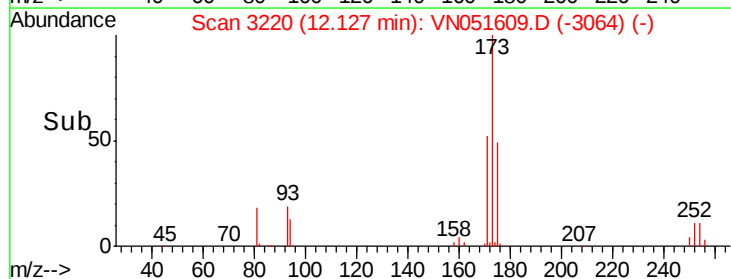
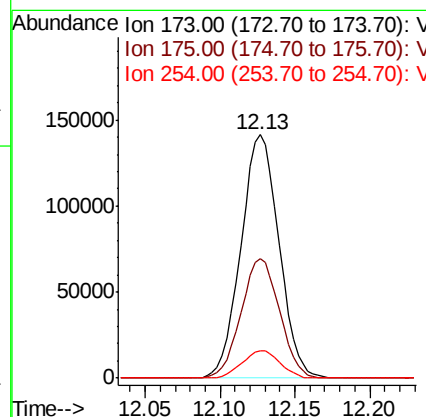
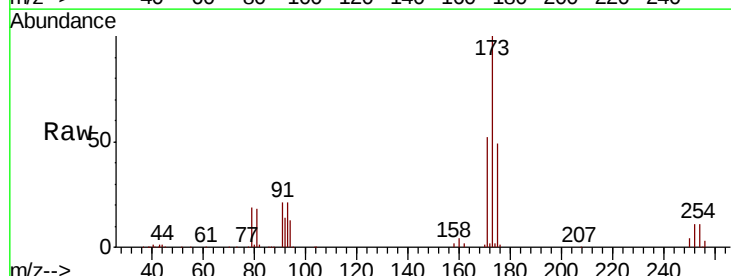
Manual Integrations
APPROVED

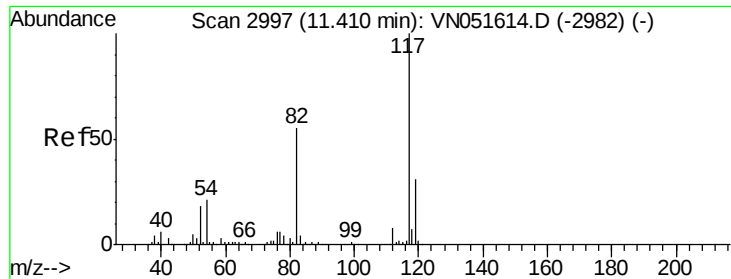
MMDadoda
10/3/2018 5:27:36 PM



#56
Bromoform
Concen: 51.009 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051609.D
Acq: 28 Sep 2018 9:04

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.6	39.0	58.4
254	11.2	8.7	13.1





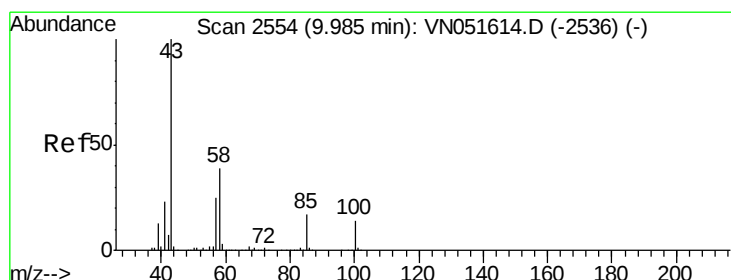
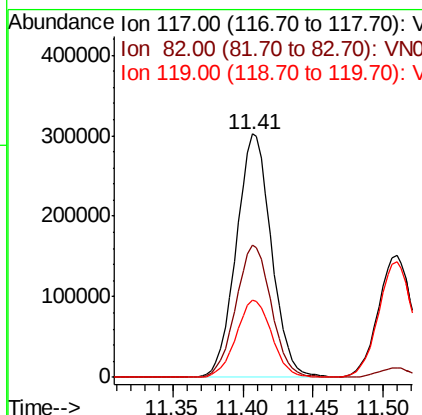
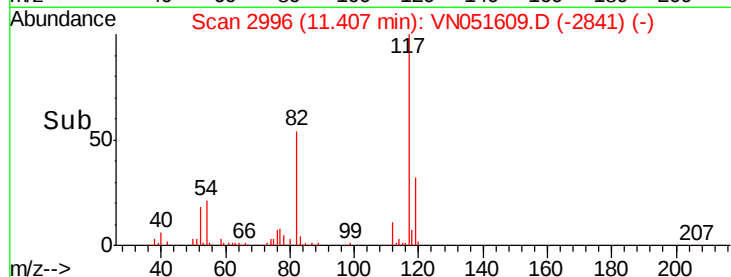
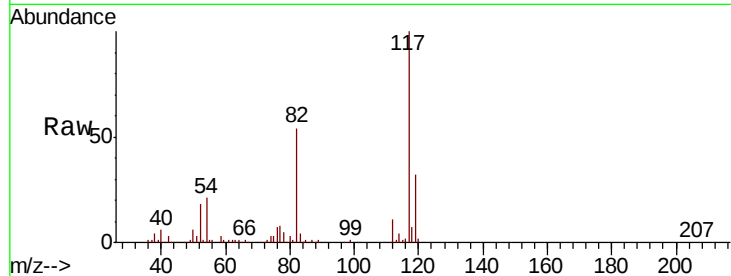
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051609.D
Acq: 28 Sep 2018 9:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.0	44.2	66.2
119	32.1	25.2	37.8

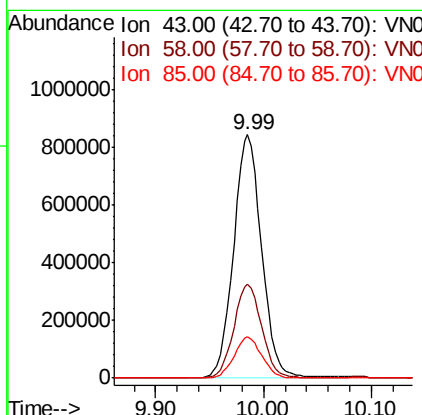
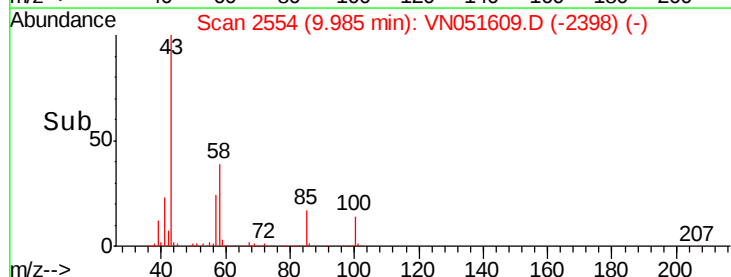
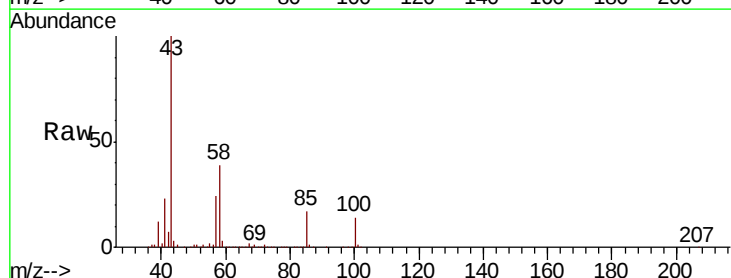
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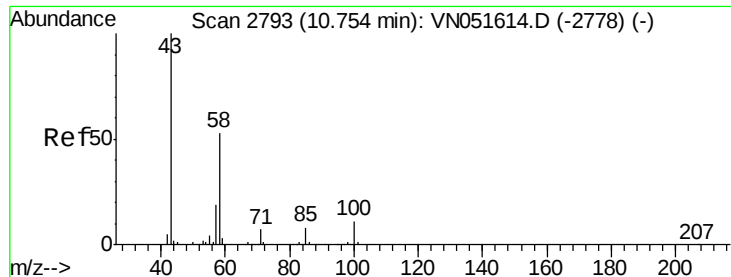
MMDadoda
10/3/2018 5:27:36 PM



#58
4-Methyl-2-Pentanone
Concen: 254.729 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051609.D
Acq: 28 Sep 2018 9:04

Tgt Ion	Ratio	Lower	Upper
43	100		
58	38.7	31.0	46.4
85	16.8	13.4	20.2





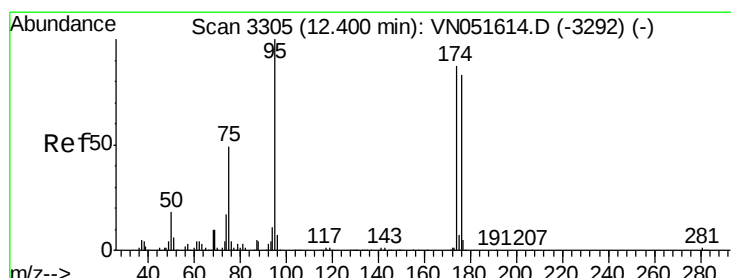
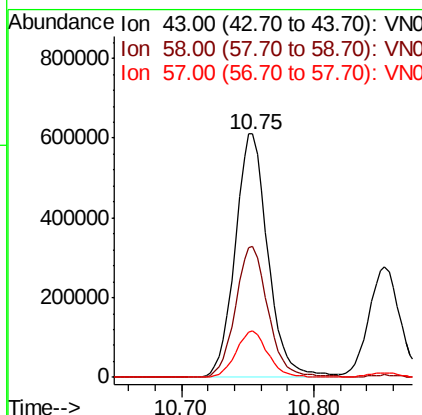
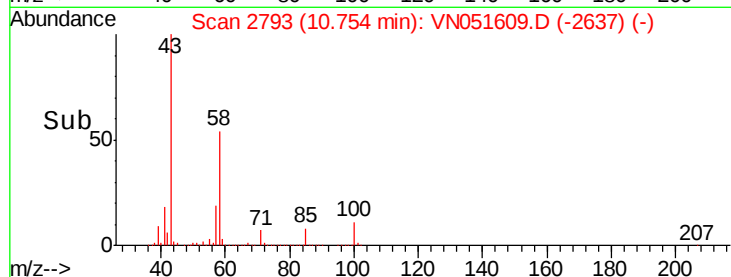
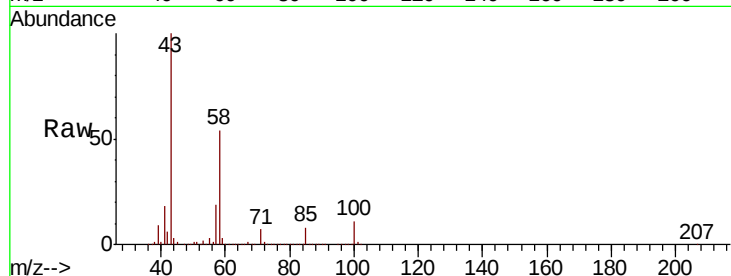
#59
2-Hexanone
Concen: 264.405 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051609.D
Acq: 28 Sep 2018 9:04

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.9	41.5	62.3
57	18.6	14.2	21.4

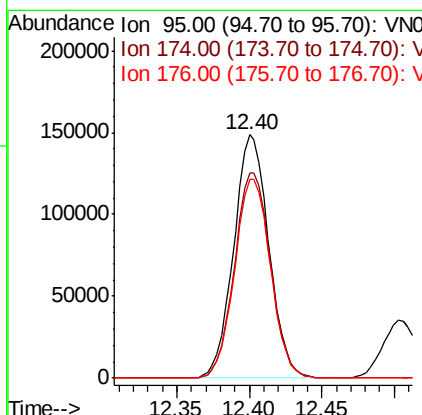
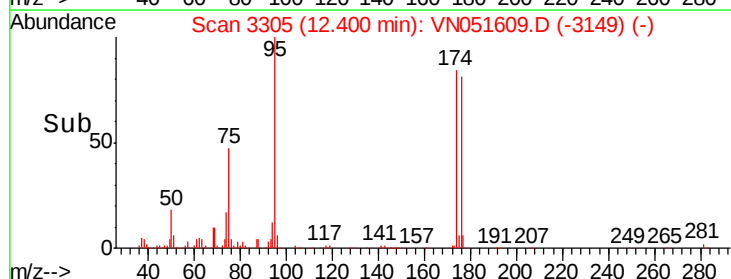
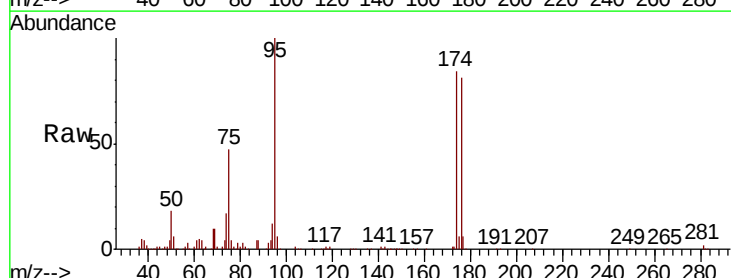
Manual Integrations
APPROVED

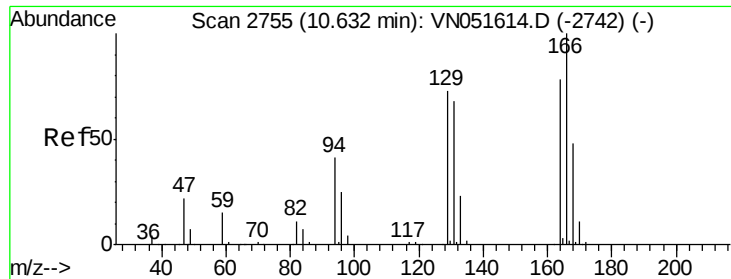
MMDadoda
10/3/2018 5:27:36 PM



#60
4-Bromofluorobenzene
Concen: 264.405 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051609.D
Acq: 28 Sep 2018 9:04

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.6	71.2	106.8
176	83.8	67.8	101.8





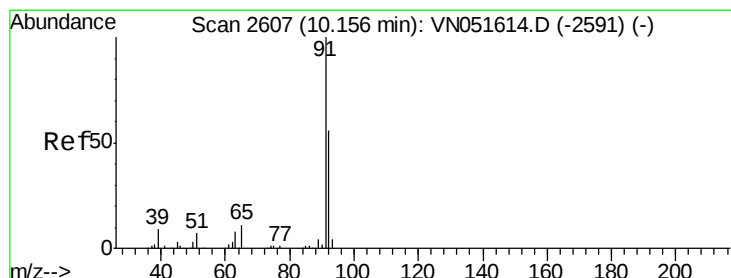
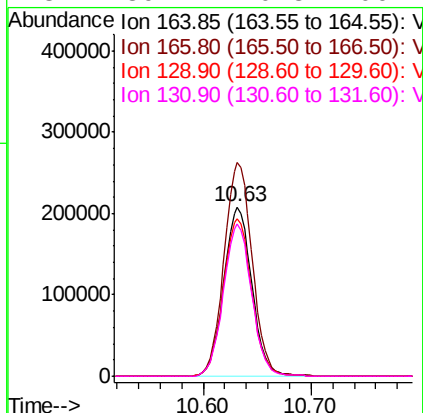
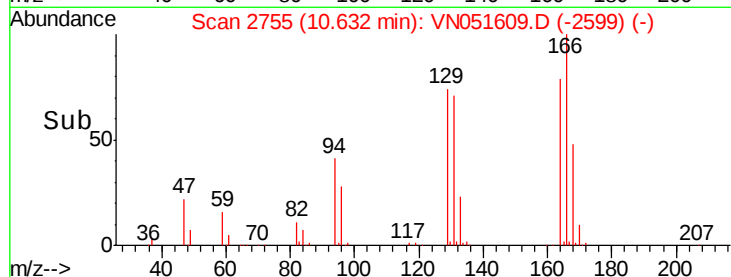
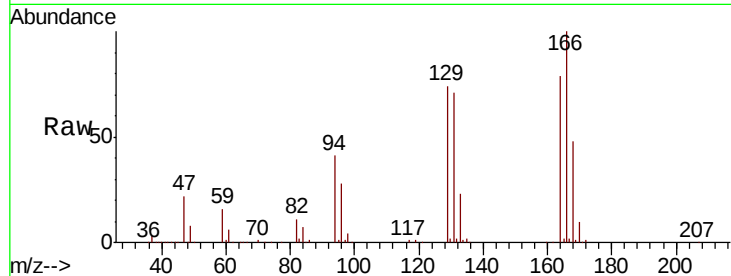
#61
Tetrachloroethene
Concen: 50.479 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051609.D
Acq: 28 Sep 2018 9:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
164	100		
166	126.2	103.1	154.7
129	93.4	75.3	112.9
131	89.7	70.8	106.2

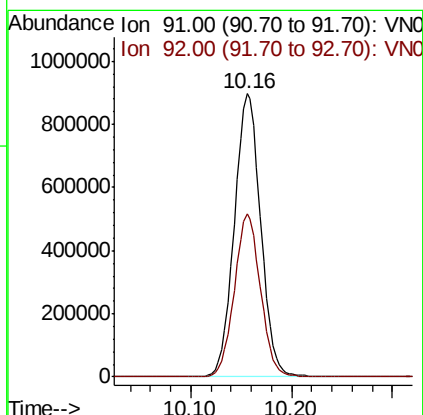
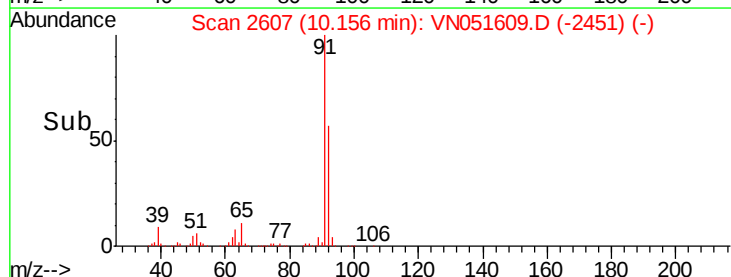
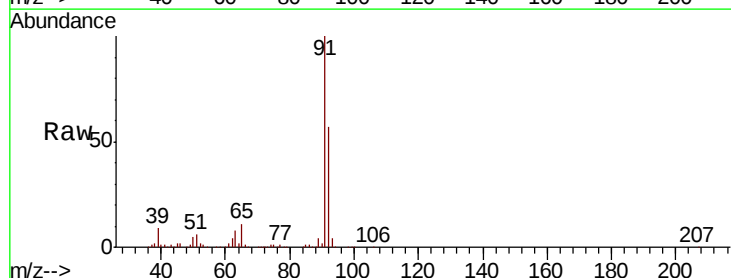
Manual Integrations
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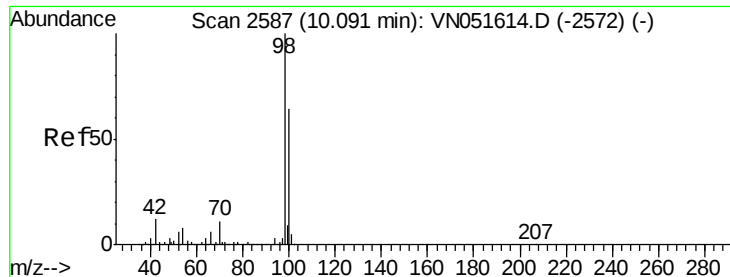
MMDadoda
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#62
Toluene
Concen: 50.349 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN051609.D
Acq: 28 Sep 2018 9:04

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.8	45.3	67.9





#63

Toluene-d8

Concen: 50.349 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051609.D

Acq: 28 Sep 2018 9:04

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

Tot Ion: 98 Resp: 744427

Ion Ratio Lower Upper

98 100

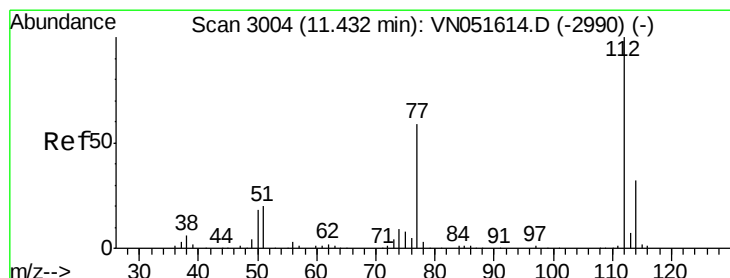
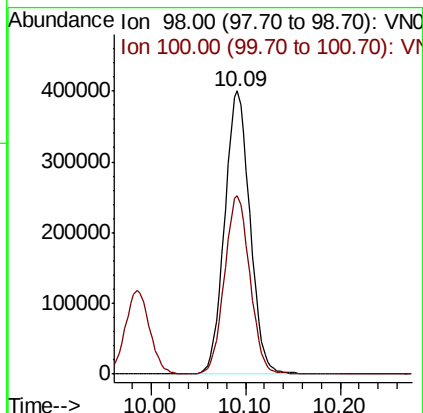
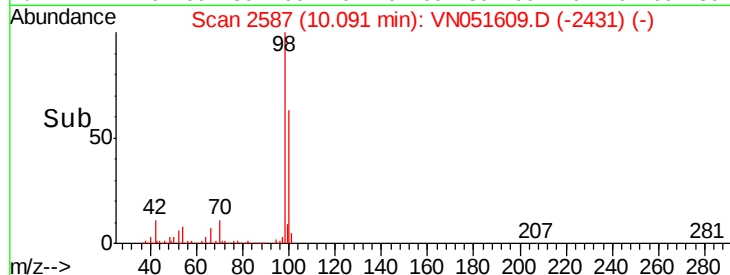
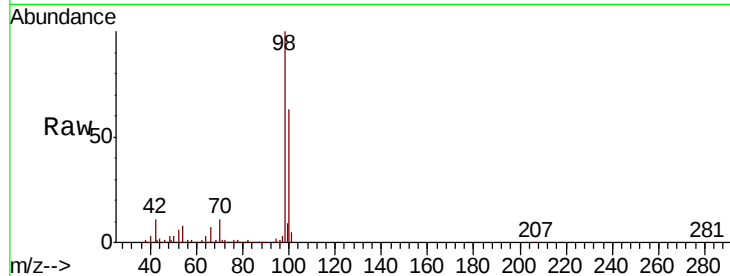
100 63.4 51.4 77.0

Manual Integrations

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#64

Chlorobenzene

Concen: 50.173 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN051609.D

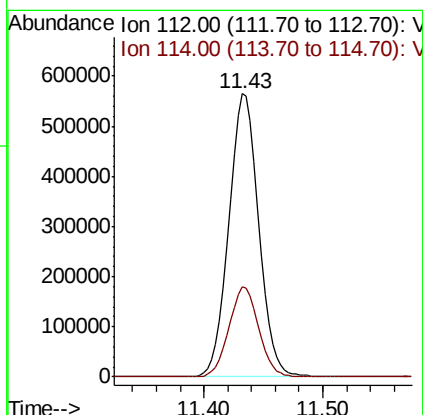
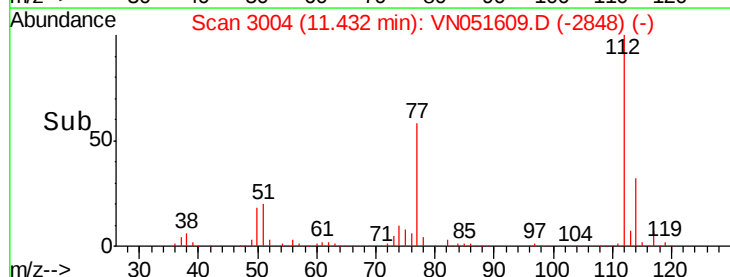
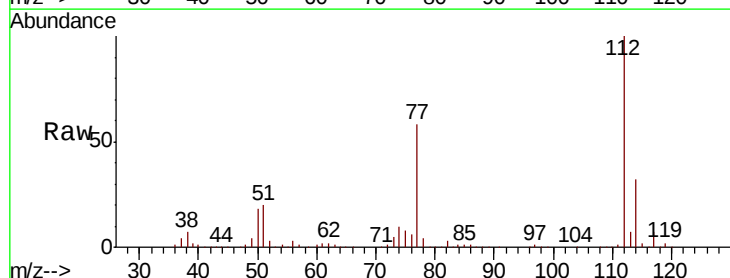
Acq: 28 Sep 2018 9:04

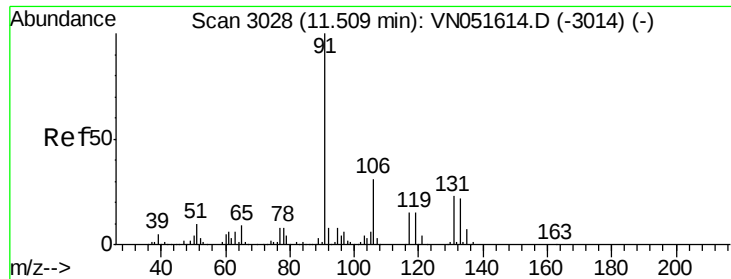
Tgt Ion: 112 Resp: 981649

Ion Ratio Lower Upper

112 100

114 31.7 25.9 38.9





#65

1,1,1,2-Tetrachloroethane

Concen: 50.068 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051609.D

Acq: 28 Sep 2018 9:04

Instrument :

MSVOA_N

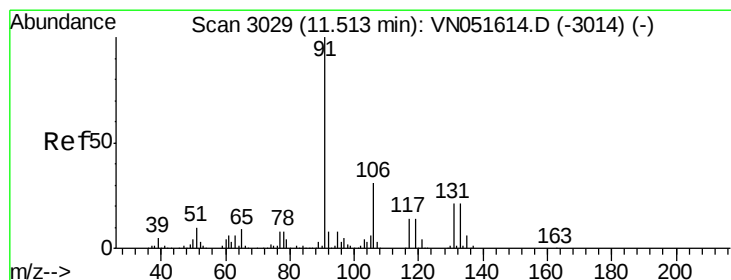
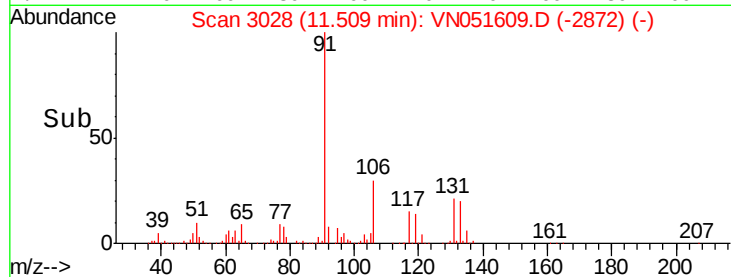
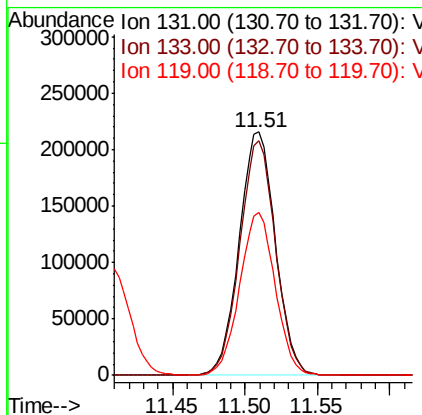
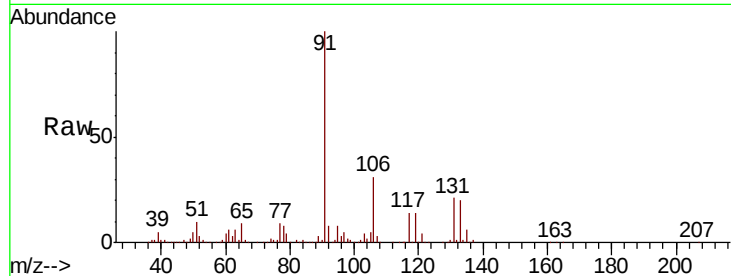
ClientSampleId :

VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
131	100	374062		
133	95.4	0.0	193.0	
119	65.6	0.0	135.0	

Manual Integrations
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#66

Ethyl Benzene

Concen: 52.276 ug/l

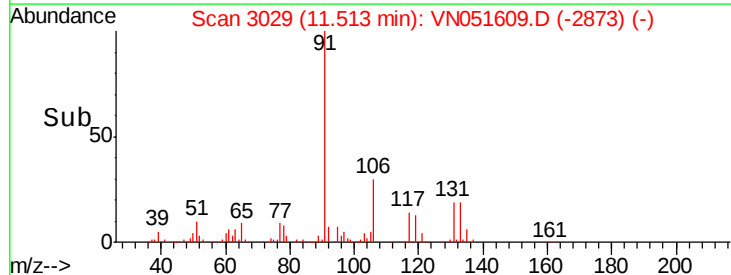
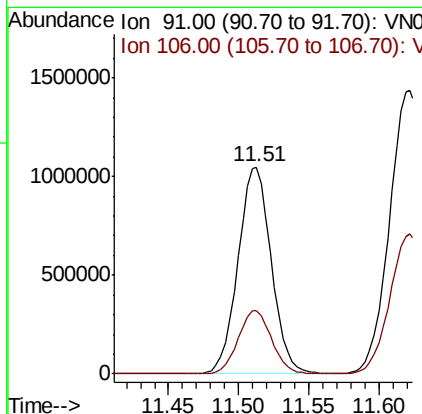
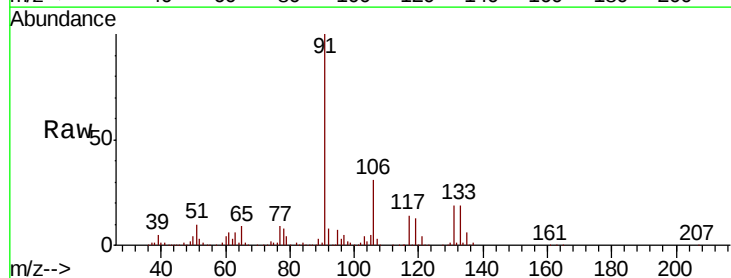
RT: 11.51 min Scan# 3029

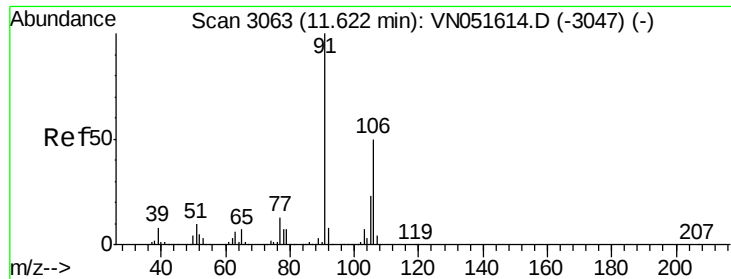
Delta R.T. 0.00 min

Lab File: VN051609.D

Acq: 28 Sep 2018 9:04

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1731325		
106	30.8	25.0	37.4	





#67

m/p-Xylenes

Concen: 106.112 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN051609.D

Acq: 28 Sep 2018 9:04

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

Tot Ion:106 Resp: 1354430

Ion Ratio Lower Upper

106 100

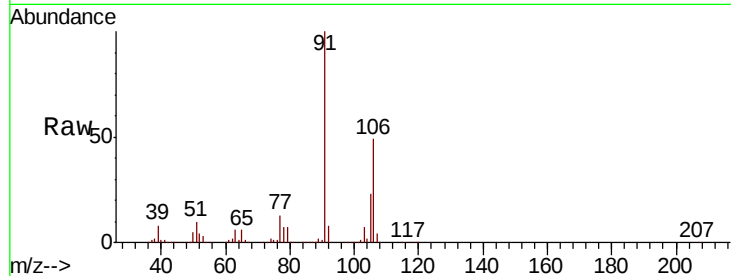
91 202.9 161.5 242.3

Manual Integrations

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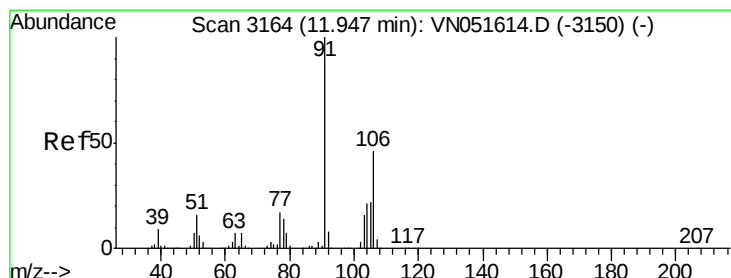
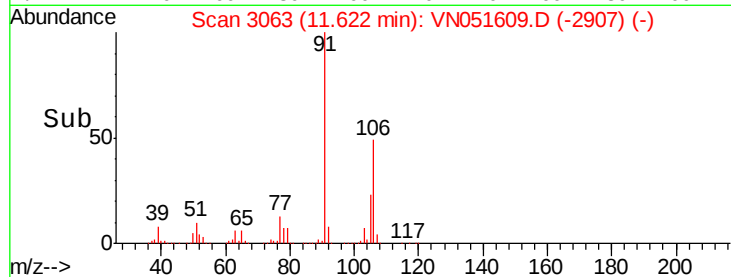
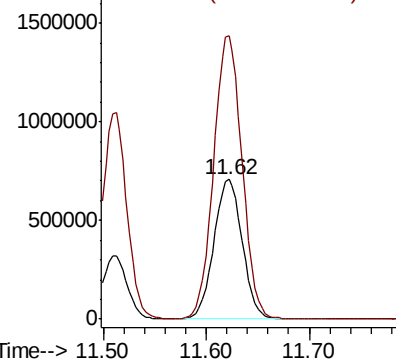
MMDadoda

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 52.298 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN051609.D

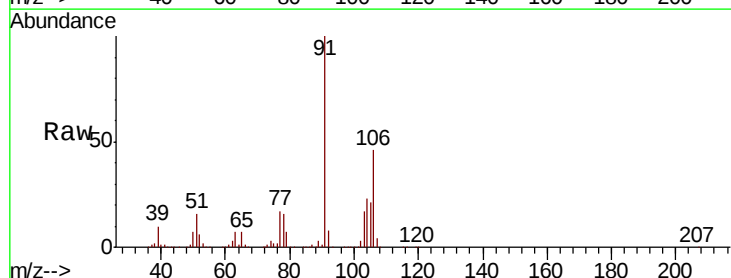
Acq: 28 Sep 2018 9:04

Tgt Ion:106 Resp: 637233

Ion Ratio Lower Upper

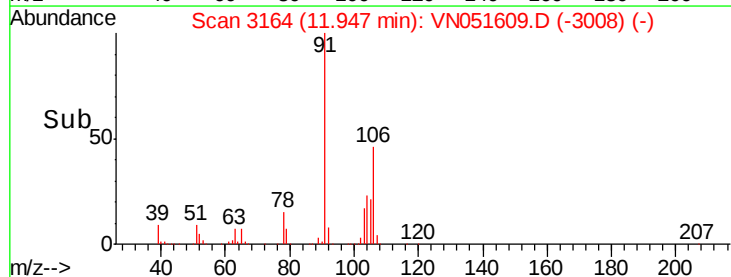
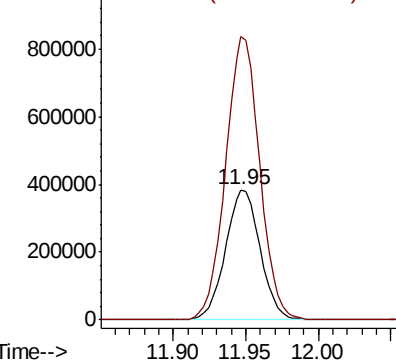
106 100

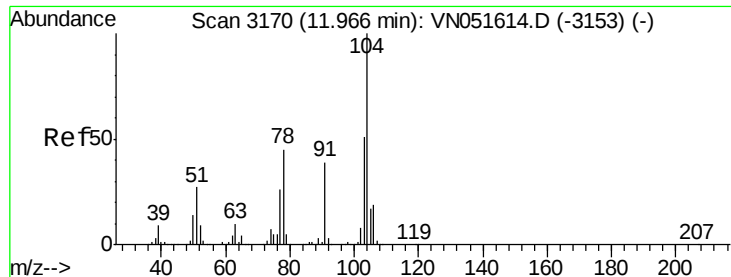
91 214.3 109.7 329.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





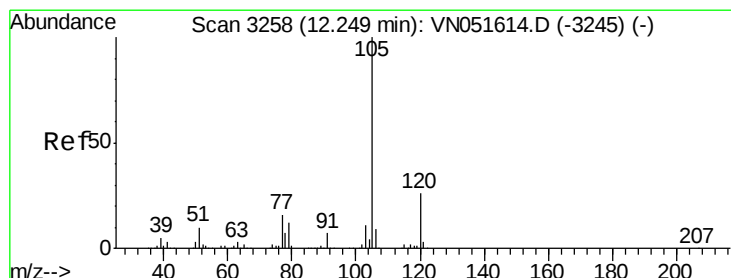
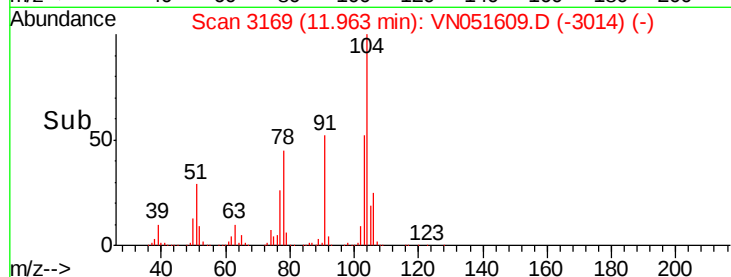
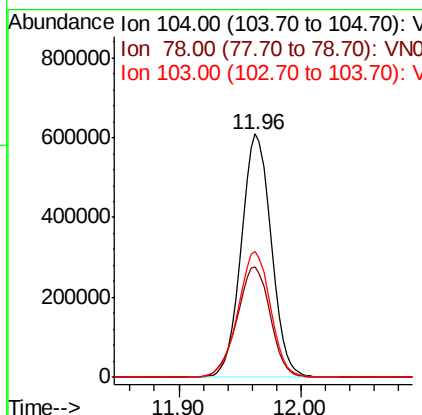
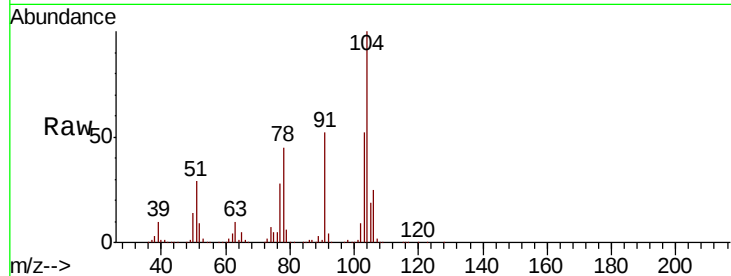
#69
Stvrene
Concen: 53.897 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051609.D
Acq: 28 Sep 2018 9:04

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.3	40.3	60.5
103	56.1	45.7	68.5

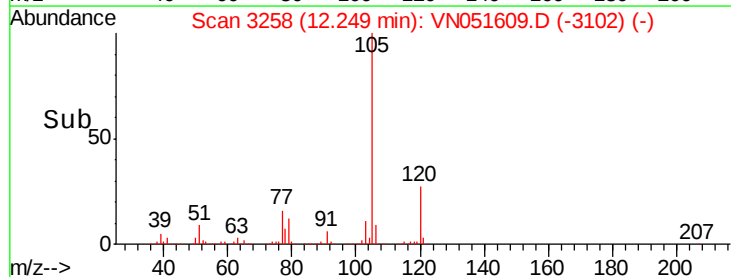
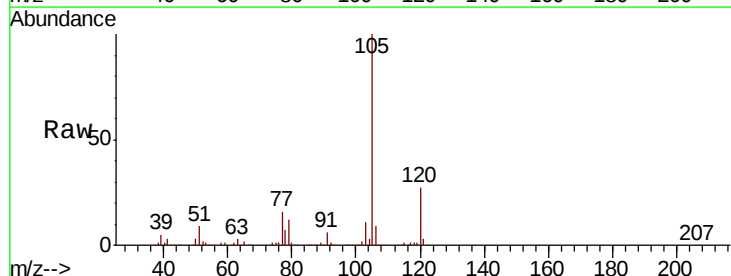
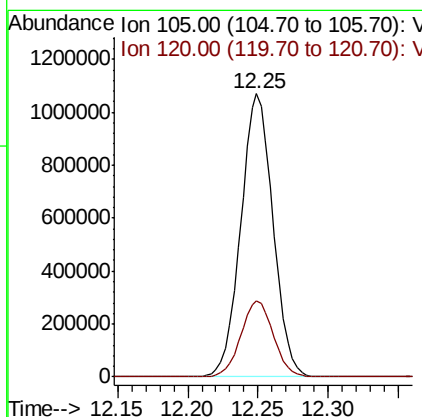
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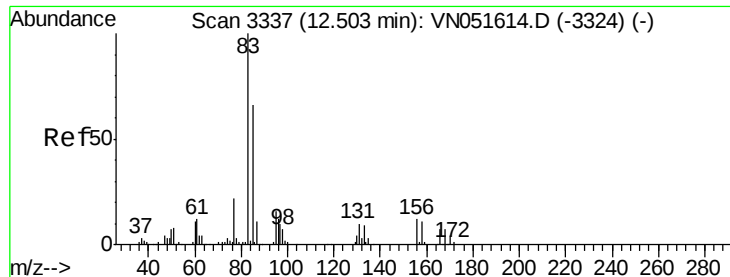
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#70
Isopropylbenzene
Concen: 52.571 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051609.D
Acq: 28 Sep 2018 9:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.1	18.7	34.7





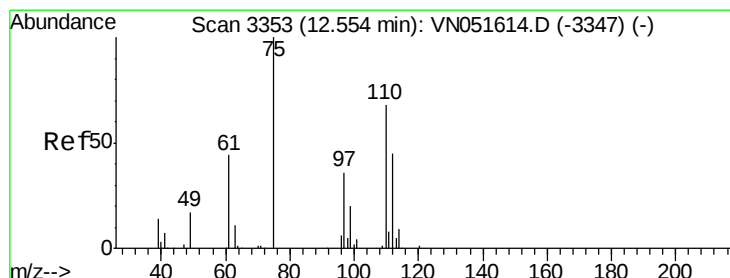
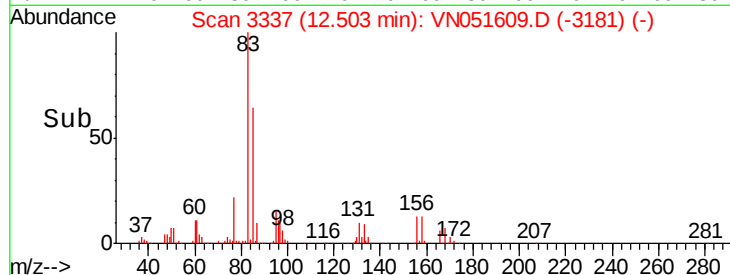
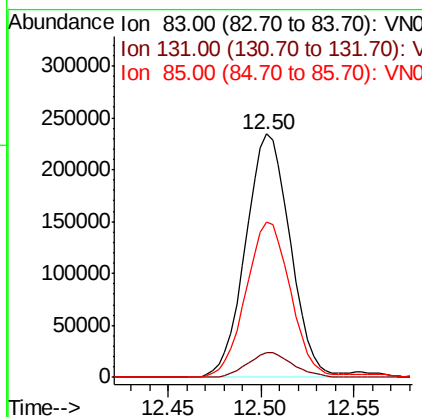
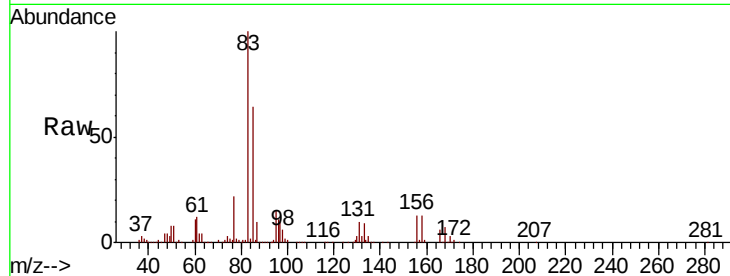
#71
 1,1,2,2-Tetrachloroethane
 Concen: 49.785 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN051609.D
 Acq: 28 Sep 2018 9:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	10.3	5.2	15.6	
85	64.1	32.0	96.2	

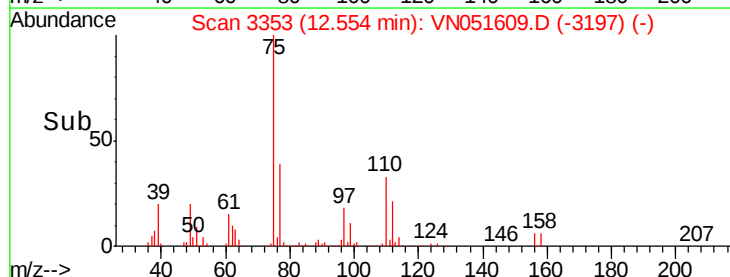
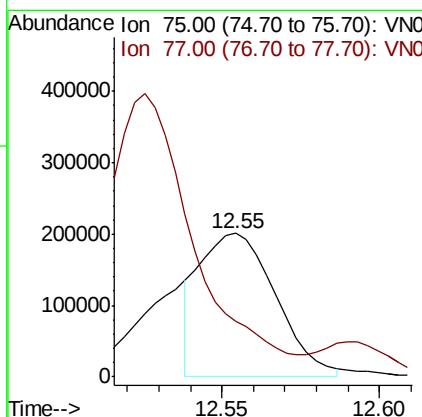
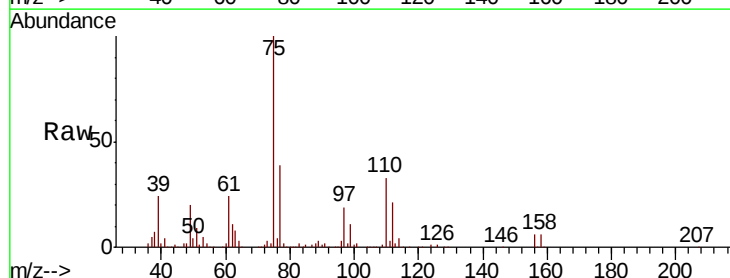
Manual Integrations
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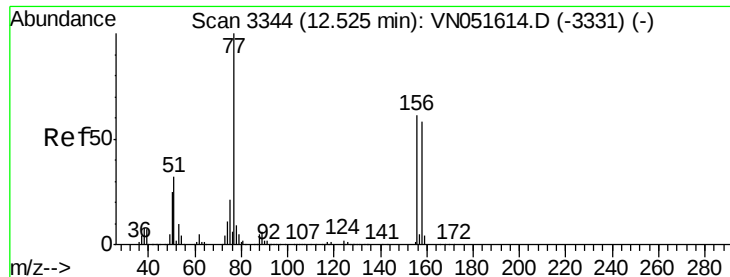
MMDadoda
 10/3/2018 5:27:36 PM



#72
 1,2,3-Trichloropropane
 Concen: 51.674 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN051609.D
 Acq: 28 Sep 2018 9:04

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	233.2	0.0	492.2	





#73

Bromobenzene

Concen: 51.534 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051609.D

Acq: 28 Sep 2018 9:04

Instrument :

MSVOA_N

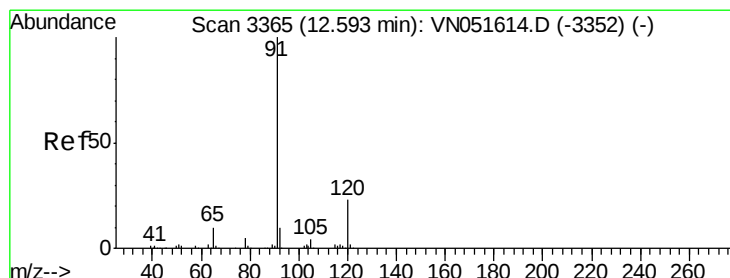
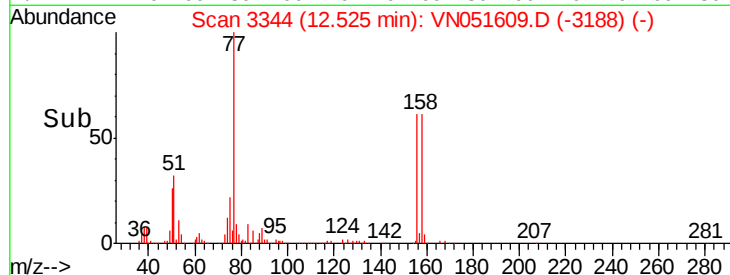
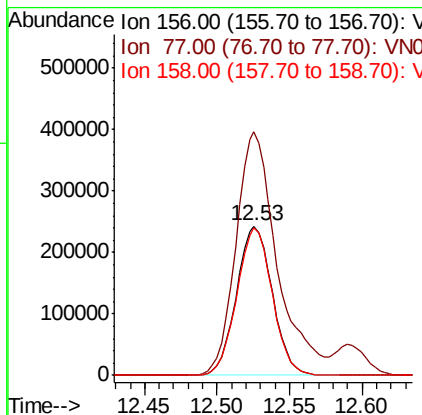
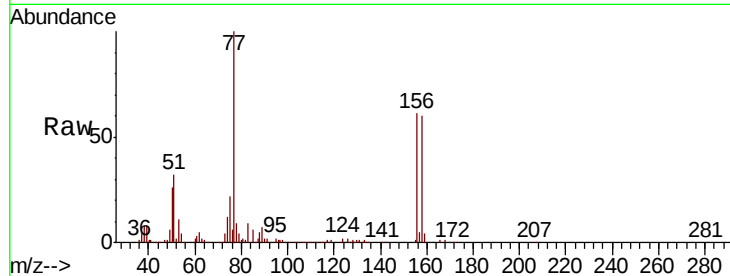
ClientSampled :

VSTDIC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		416831		
77	187.3	0.0	385.2		
158	97.3	0.0	195.6		

Manual Integrations
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10/3/2018 5:27:36 PM



#74

n-propylbenzene

Concen: 53.222 ug/l

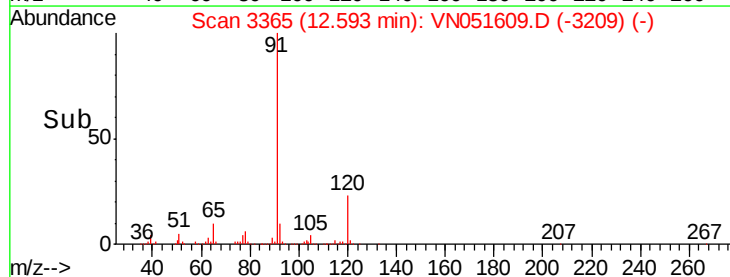
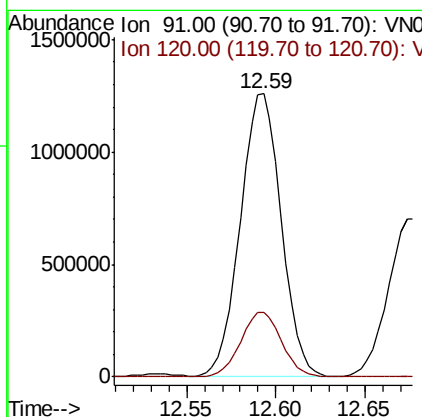
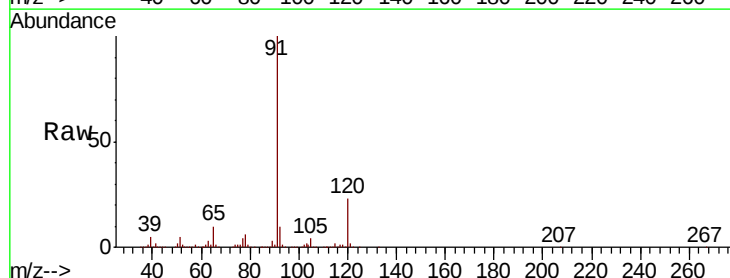
RT: 12.59 min Scan# 3365

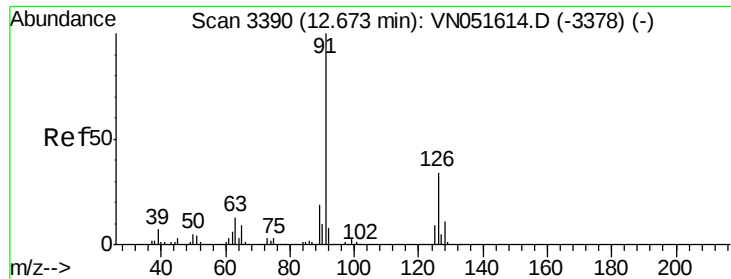
Delta R.T. 0.00 min

Lab File: VN051609.D

Acq: 28 Sep 2018 9:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		2013779		
120	22.8	0.0	45.4		





#75

2-Chlorotoluene

Concen: 52.071 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051609.D

Acq: 28 Sep 2018 9:04

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

Tot Ion: 91 Resp: 1176508

Ion Ratio Lower Upper

91 100

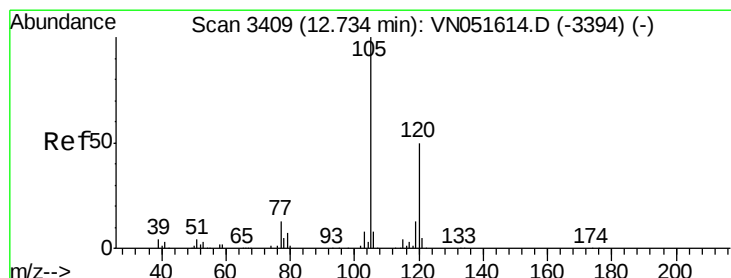
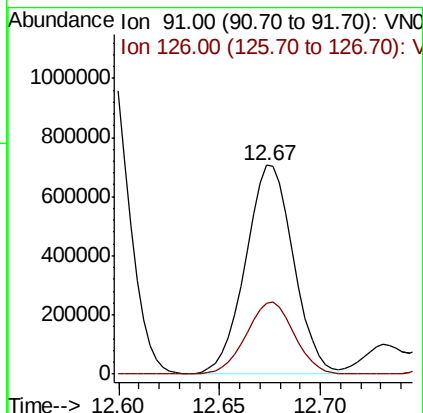
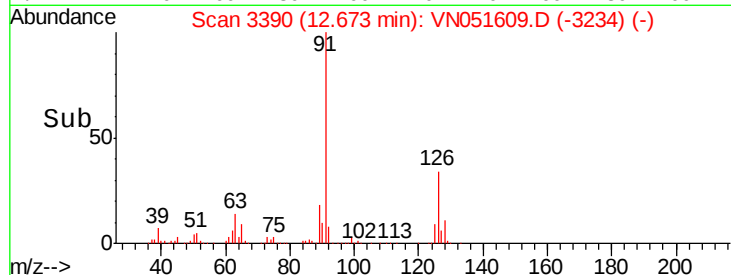
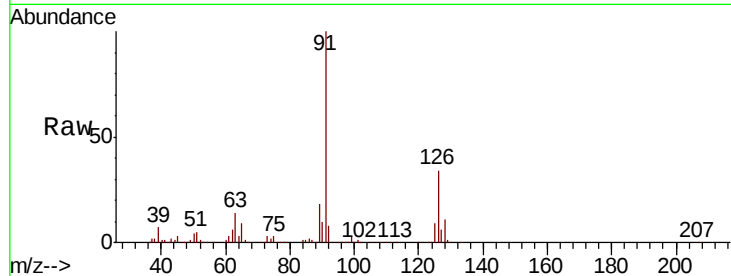
126 34.7 0.0 69.2

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10/3/2018 5:27:36 PM



#76

1,3,5-Trimethylbenzene

Concen: 53.161 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051609.D

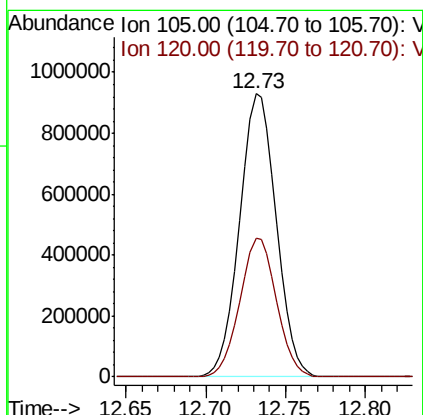
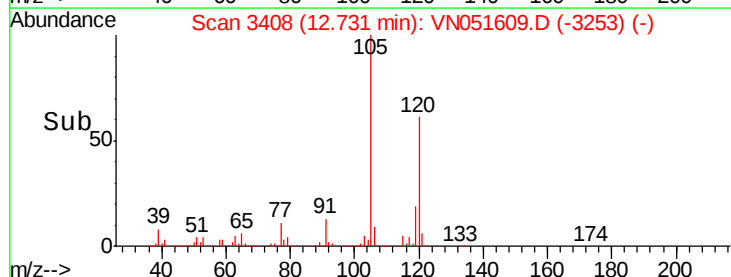
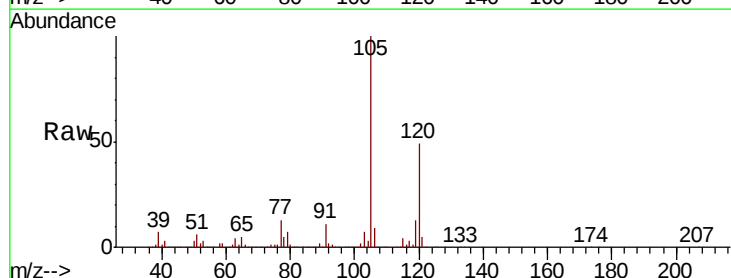
Acq: 28 Sep 2018 9:04

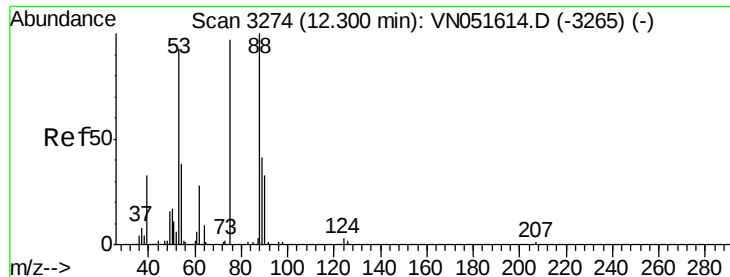
Tgt Ion: 105 Resp: 1443754

Ion Ratio Lower Upper

105 100

120 49.0 0.0 99.8





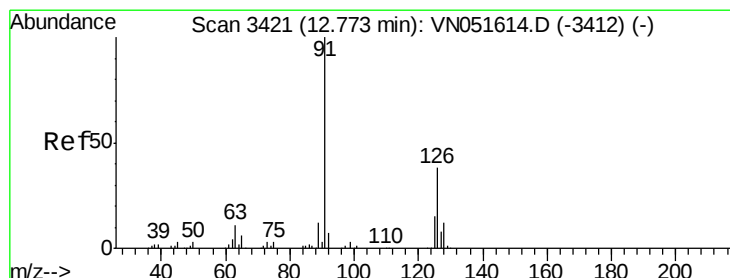
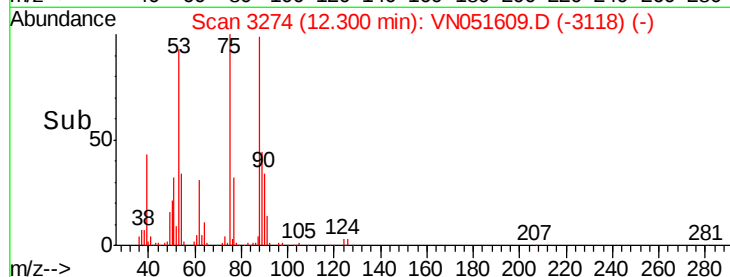
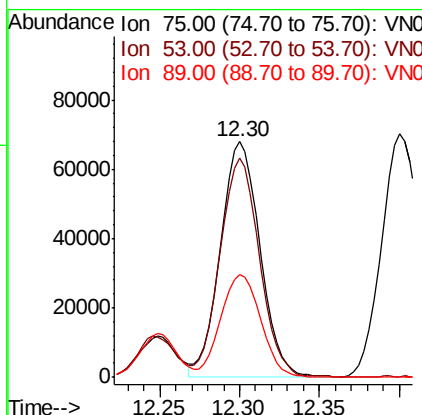
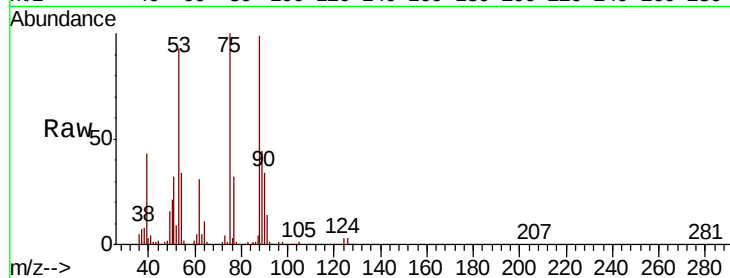
#77
t-1,4-Dichloro-2-butene
Concen: 53.958 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN051609.D
Acq: 28 Sep 2018 9:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.0	48.1	144.4
89	43.7	22.4	67.3

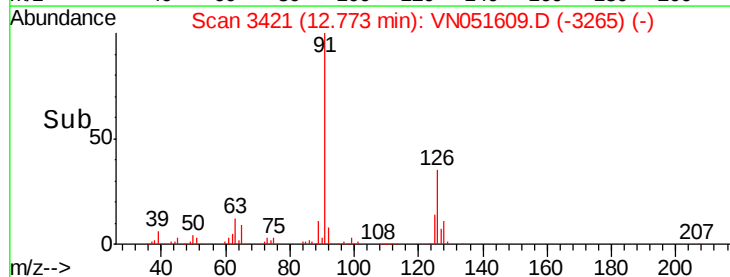
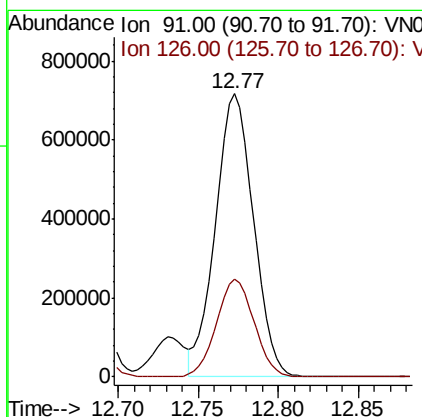
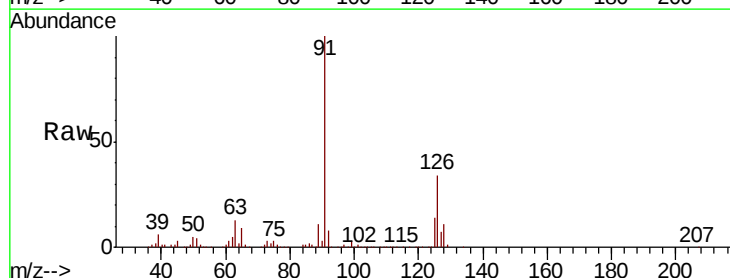
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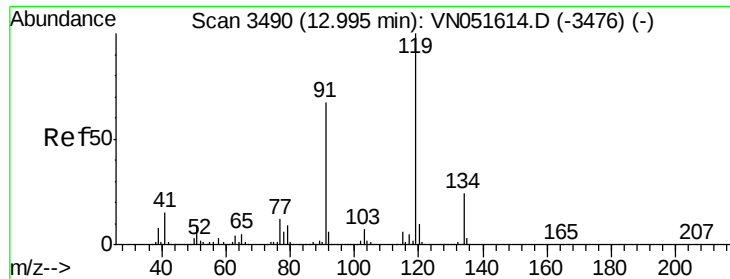
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#78
4-Chlorotoluene
Concen: 52.590 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN051609.D
Acq: 28 Sep 2018 9:04

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.2	0.0	68.6





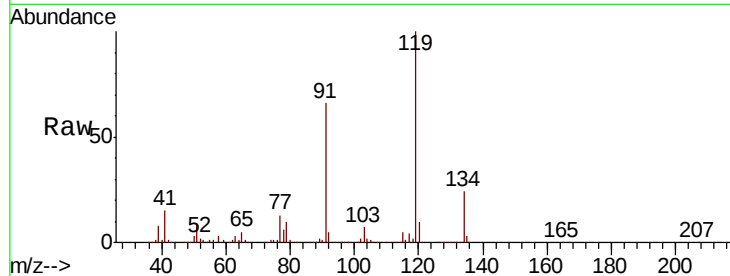
#79
tert-butylbenzene
Concen: 52.734 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051609.D
Acq: 28 Sep 2018 9:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

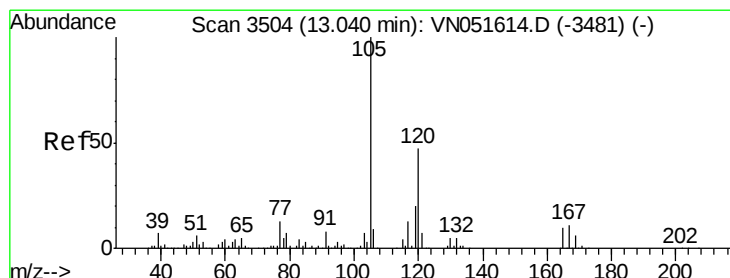
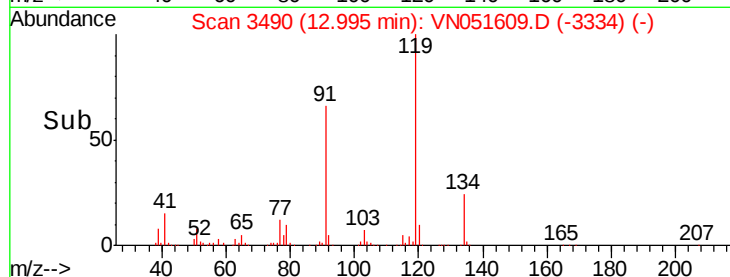
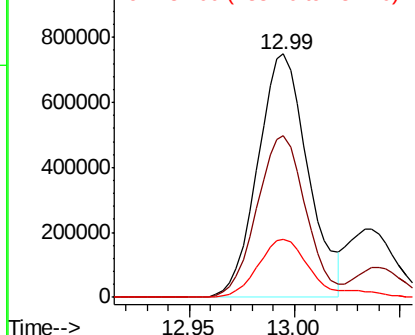
Tot Ion	Ratio	Lower	Upper
119	100		
91	64.4	0.0	132.4
134	23.9	0.0	48.4

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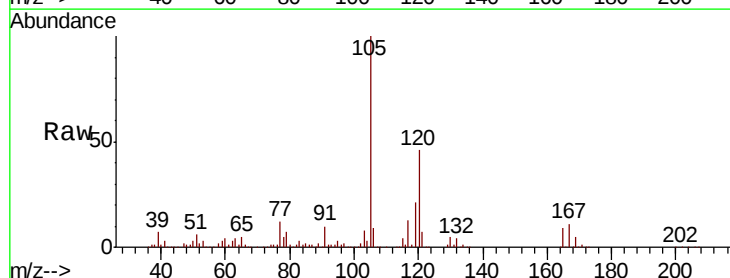


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

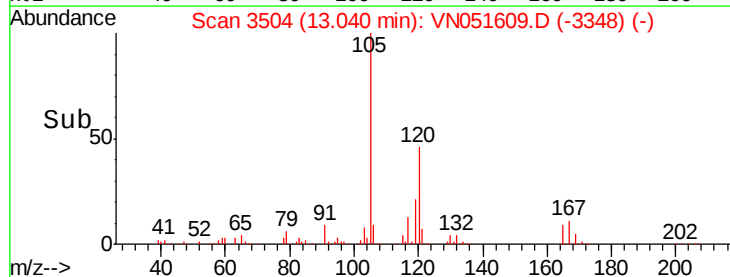
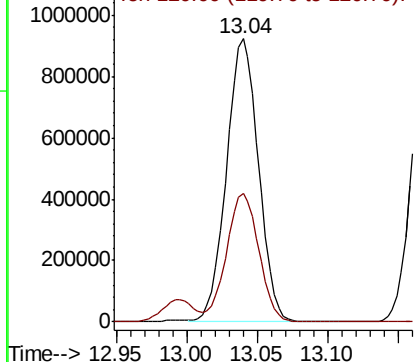


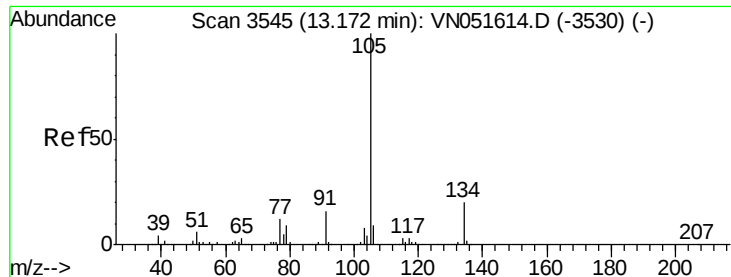
#80
1,2,4-Trimethylbenzene
Concen: 53.886 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051609.D
Acq: 28 Sep 2018 9:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	0.0	91.6



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





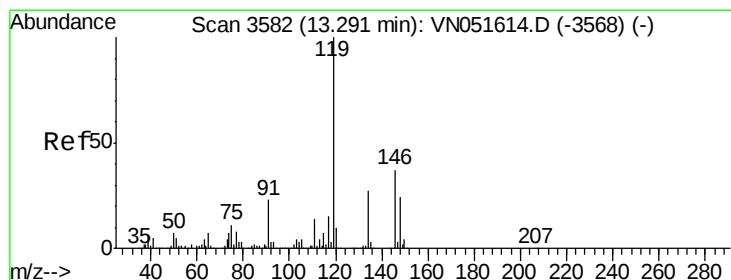
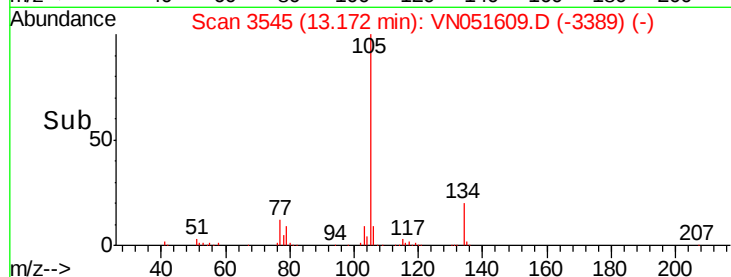
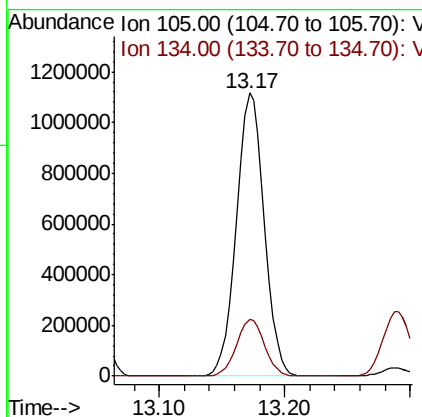
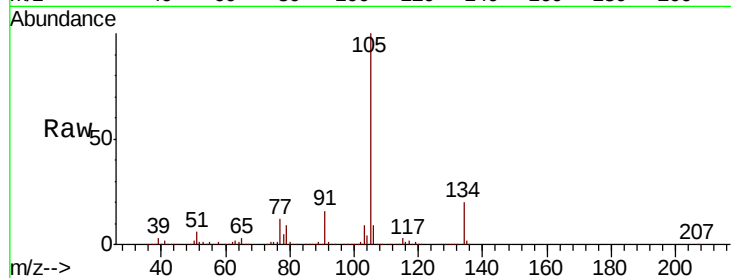
#81
 sec-Butylbenzene
 Concen: 52.734 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN051609.D
 Acq: 28 Sep 2018 9:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion:105 Resp: 1713960
 Ion Ratio Lower Upper
 105 100
 134 20.3 0.0 39.8

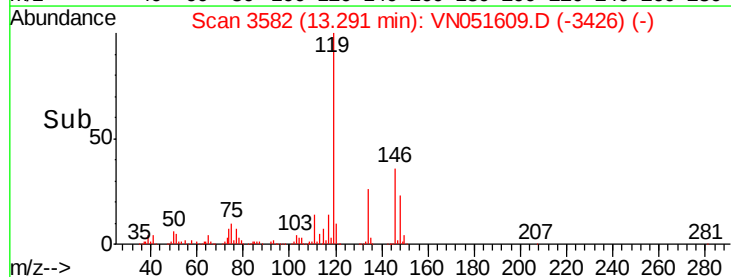
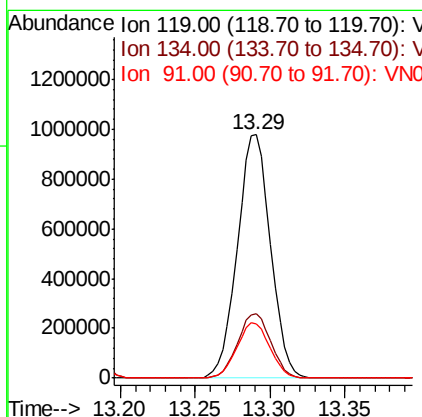
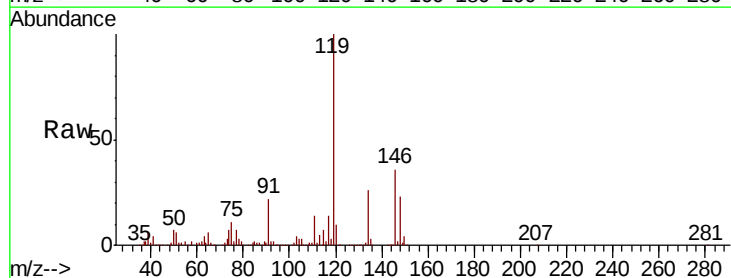
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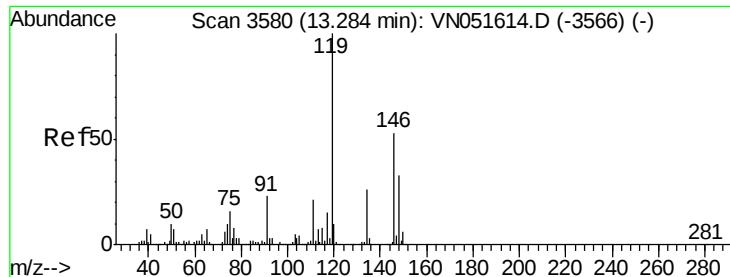
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#82
 p-Isopropyltoluene
 Concen: 54.140 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN051609.D
 Acq: 28 Sep 2018 9:04

Tgt Ion:119 Resp: 1503954
 Ion Ratio Lower Upper
 119 100
 134 26.6 0.0 52.0
 91 22.7 0.0 46.0





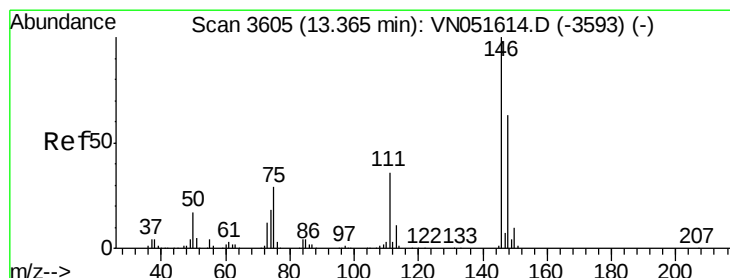
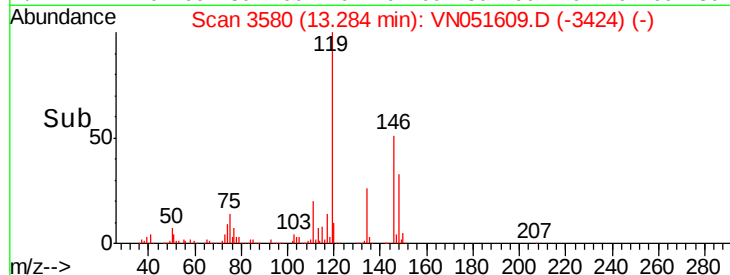
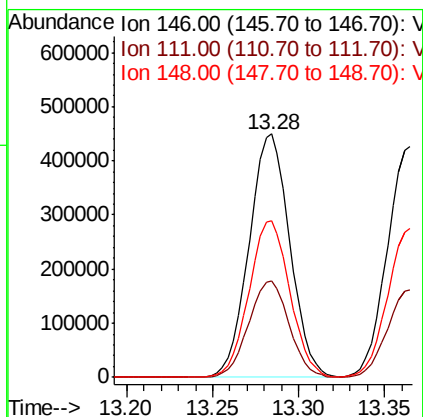
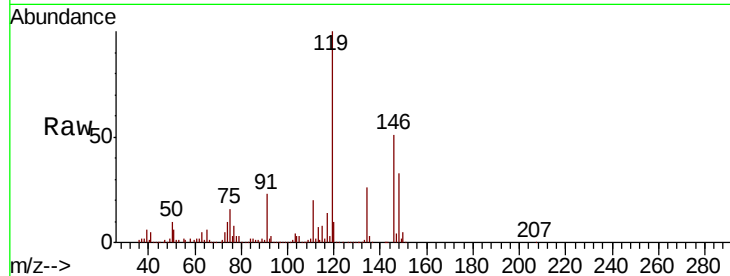
#83
 1,3-Dichlorobenzene
 Concen: 52.442 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051609.D
 Acq: 28 Sep 2018 9:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.9	59.6
148	64.5	32.4	97.2

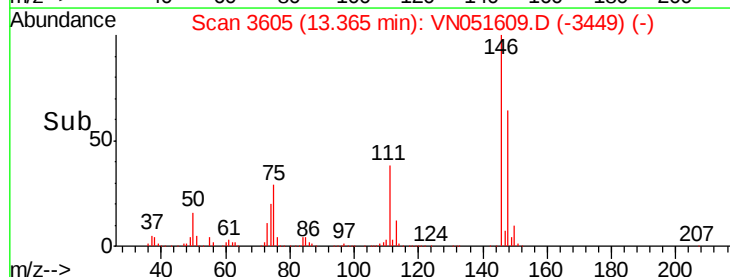
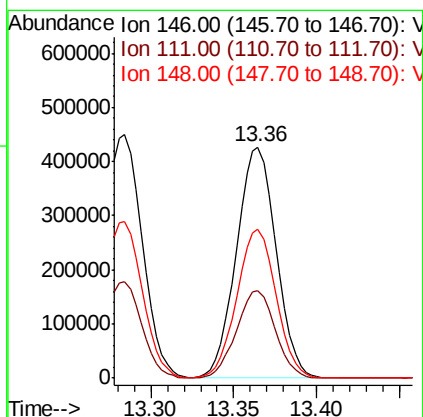
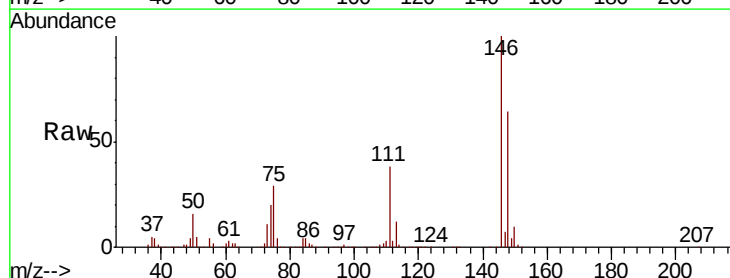
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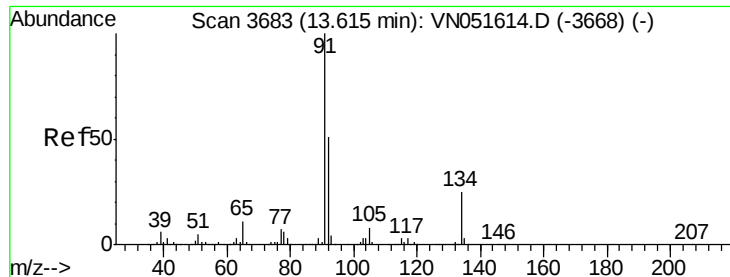
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#84
 1,4-Dichlorobenzene
 Concen: 53.621 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051609.D
 Acq: 28 Sep 2018 9:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.6	55.8
148	63.7	32.1	96.5





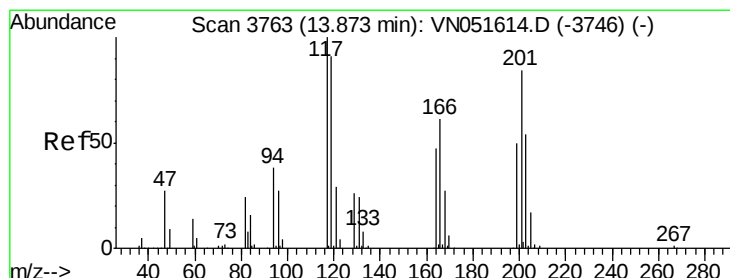
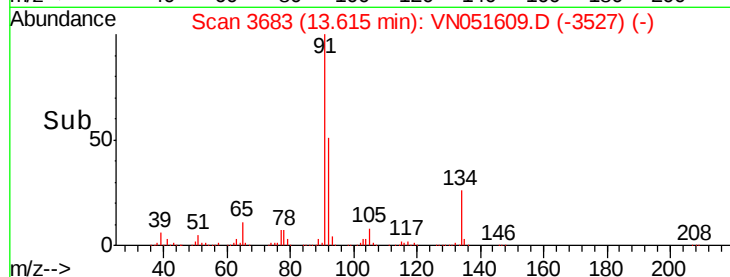
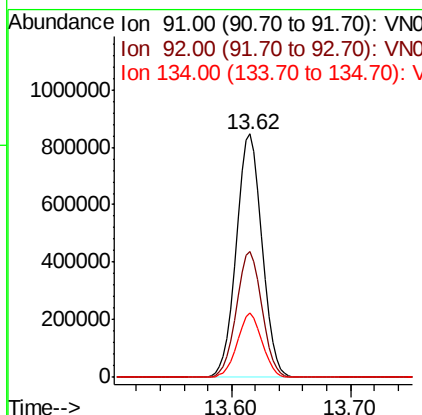
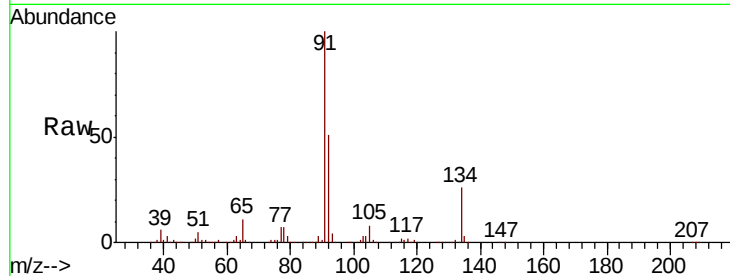
#85
n-Butylbenzene
Concen: 55.478 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051609.D
Acq: 28 Sep 2018 9:04

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion: 91 Resp: 1264976
Ion Ratio Lower Upper
91 100
92 51.4 0.0 101.6
134 25.6 0.0 50.6

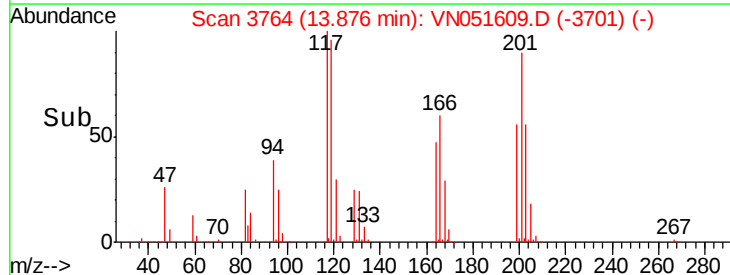
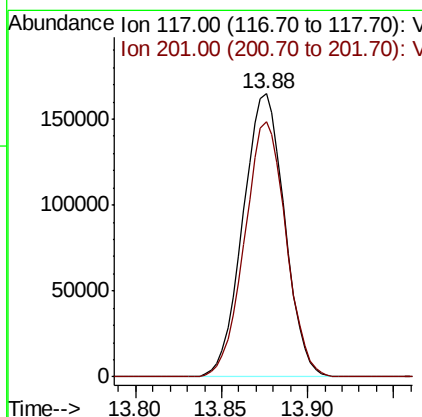
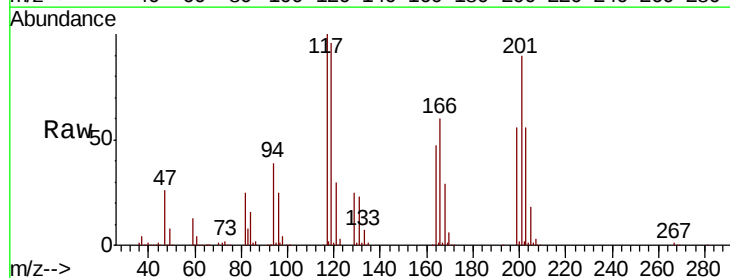
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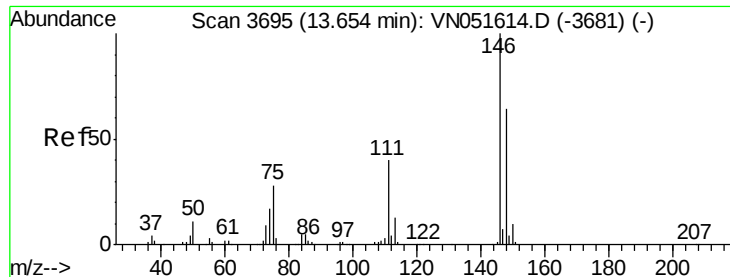
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#86
Hexachloroethane
Concen: 49.966 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN051609.D
Acq: 28 Sep 2018 9:04

Tgt Ion: 117 Resp: 277617
Ion Ratio Lower Upper
117 100
201 89.4 42.9 128.5





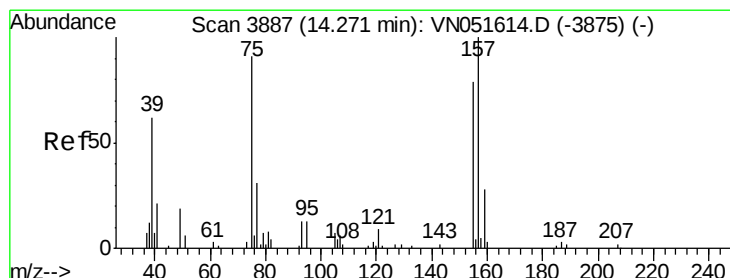
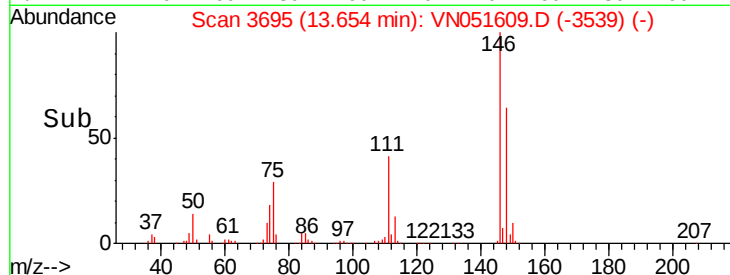
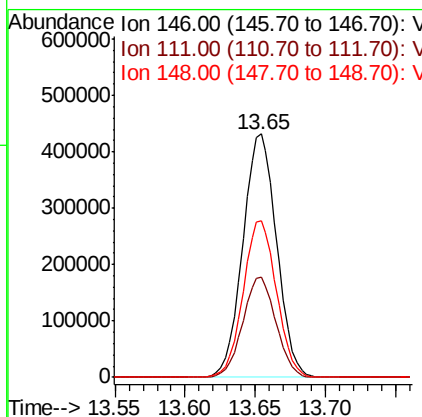
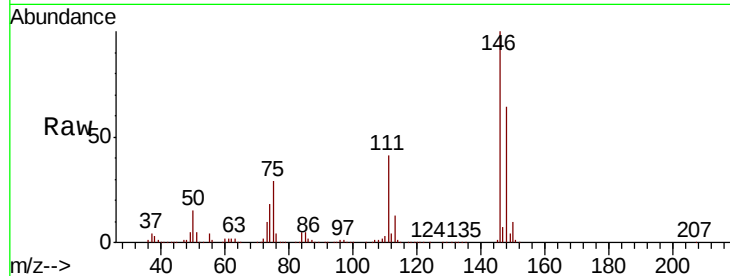
#87
 1,2-Dichlorobenzene
 Concen: 52.553 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051609.D
 Acq: 28 Sep 2018 9:04

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

Tot Ion:	146	Resp:	724577
Ion Ratio	Lower	Upper	
146	100		
111	40.4	20.1	60.3
148	63.3	32.1	96.5

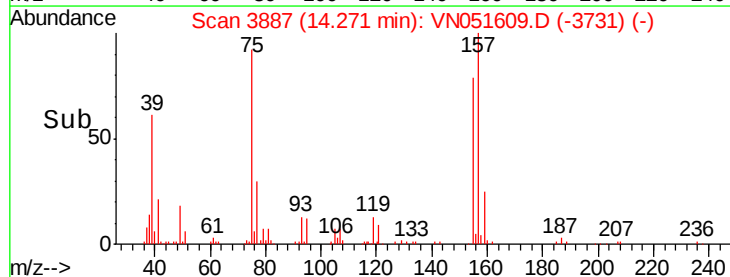
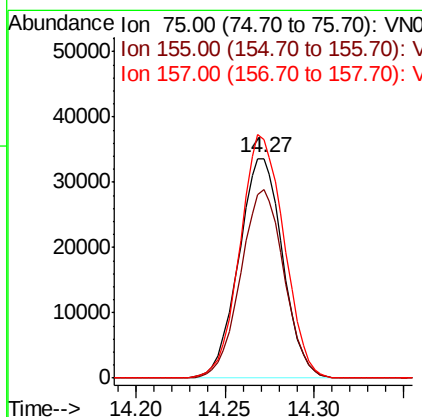
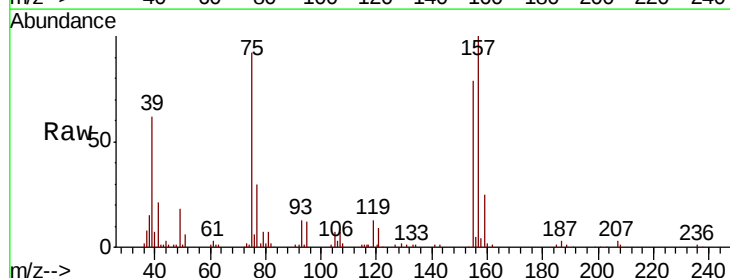
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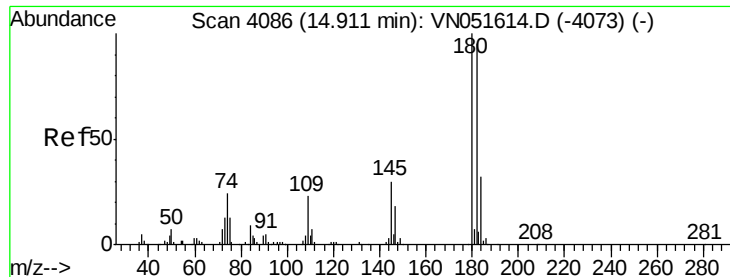
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 50.393 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN051609.D
 Acq: 28 Sep 2018 9:04

Tgt Ion:	75	Resp:	57756
Ion Ratio	Lower	Upper	
75	100		
155	84.7	67.1	100.7
157	110.9	85.8	128.6





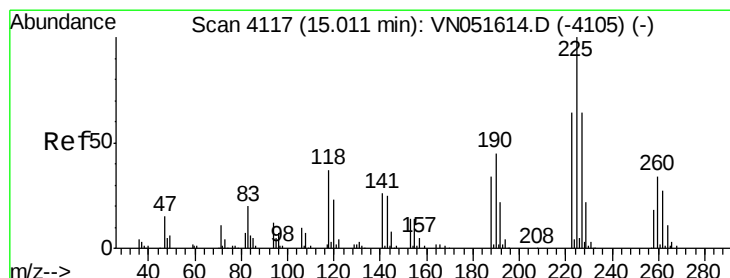
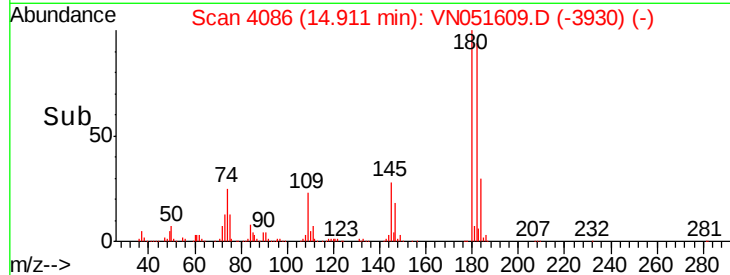
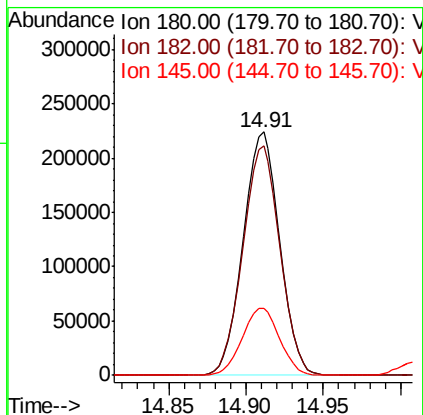
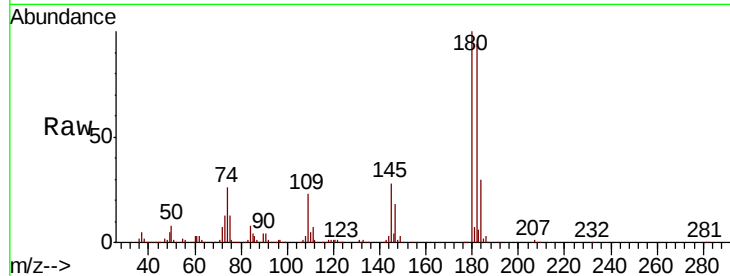
#89
 1,2,4-Trichlorobenzene
 Concen: 57.112 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051609.D
 Acq: 28 Sep 2018 9:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	368552		
182	95.6	75.2	112.8	
145	28.2	22.9	34.3	

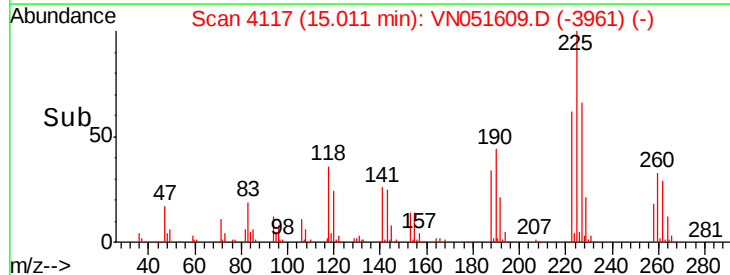
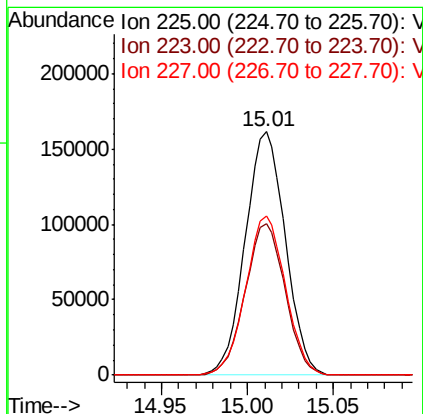
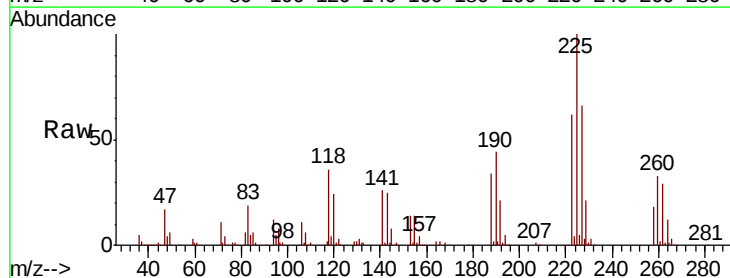
Manual Integrations
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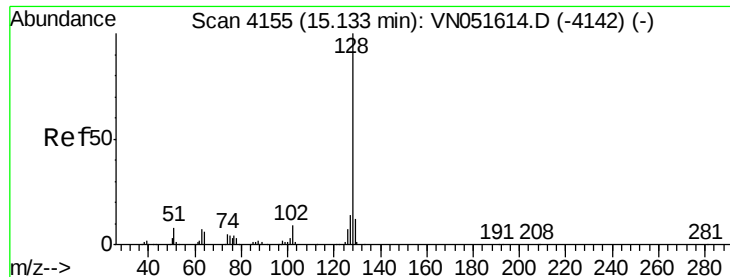
MMDadoda
 10/3/2018 5:27:36 PM



#90
 Hexachlorobutadiene
 Concen: 49.782 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051609.D
 Acq: 28 Sep 2018 9:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	261899		
223	61.9	0.0	131.0	
227	64.8	0.0	129.0	





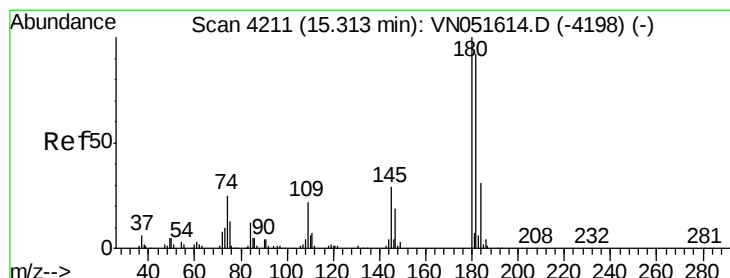
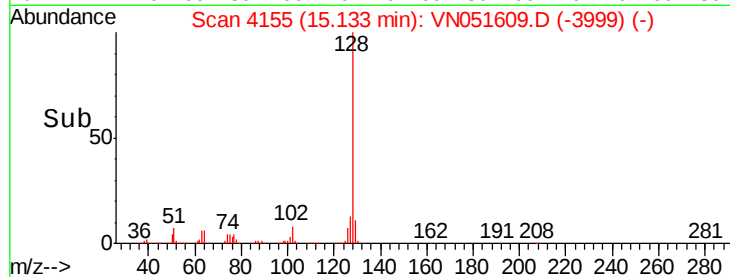
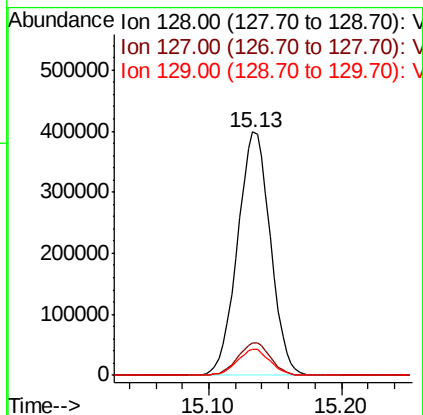
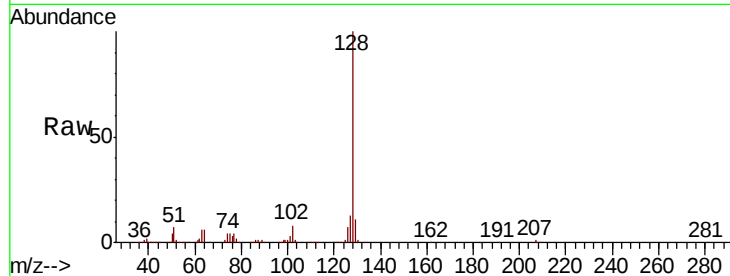
#91
Naphthalene
Concen: 56.614 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN051609.D
Acq: 28 Sep 2018 9:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion:	128	Resp:	686097
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.8	16.2
129	10.6	9.1	13.7

Manual Integrations
APPROVED

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#92
1,2,3-Trichlorobenzene
Concen: 55.552 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN051609.D
Acq: 28 Sep 2018 9:04

Tgt Ion:	180	Resp:	360539
Ion Ratio	Lower	Upper	
180	100		
182	94.8	0.0	191.8
145	29.9	0.0	60.4

