

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100518\
 Data File : VN051676.D
 Acq On : 5 Oct 2018 10:25
 Operator : MD\SY
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 10/8/2018 3:58:48 PM

Quant Time: Oct 05 10:55:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 05 10:47:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	124732	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	729596	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	741008	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	264556	31.00	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.33%
60) 4-Bromofluorobenzene	12.40	95	367729	32.87	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	109.57%
63) Toluene-d8	10.09	98	953802	26.86	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	89.53%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	737364	121.615	ug/l 99
3) Chloromethane	2.06	50	717182	67.994	ug/l 98
4) Vinyl Chloride	2.18	62	1101385	97.086	ug/l 100
5) Bromomethane	2.56	94	855943	116.062	ug/l 88
6) Chloroethane	2.70	64	732686	104.210	ug/l 99
7) Trichlorofluoromethane	3.01	101	1624593	109.488	ug/l 94
8) Diethyl Ether	3.41	74	331796	75.399	ug/l 80
9) 1,1,2-Trichlorotrifluoroet	3.76	101	608587	81.185	ug/l # 41
10) 1,1-Dichloroethene	3.73	96	561959	82.037	ug/l 91
11) Methyl Iodide	3.95	142	847958	82.898	ug/l 93
12) Methyl Acetate	4.33	43	459146	76.792	ug/l 99
13) Acrolein	3.61	56	164287	201.413	ug/l 89
14) Acrylonitrile	4.99	53	969577	395.944	ug/l # 61
15) Acetone	3.82	58	207179	346.943	ug/l 82
16) Carbon Disulfide	4.05	76	1647726	76.274	ug/l 99
17) Allyl chloride	4.32	41	860375	71.612	ug/l 80
18) Methylene Chloride	4.55	84	655483	79.950	ug/l 97
19) trans-1,2-Dichloroethene	5.04	96	661106	88.642	ug/l 90
20) Diisopropyl ether	5.96	45	1927316	78.836	ug/l # 84
21) 1,1-Dichloroethane	5.85	63	1201916	82.444	ug/l 97
22) cis-1,2-Dichloroethene	6.83	96	767403	91.635	ug/l 90
23) tert-Butyl Alcohol	4.79	59	261747	571.465	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	1868782	100.034	ug/l # 58
25) Chloroform	7.37	83	1352235	92.704	ug/l 94
26) Cyclohexane	7.65	56	1025996	82.813	ug/l # 81
29) 1,1-Dichloropropene	7.79	75	985435	81.370	ug/l 97
30) 2-Butanone	6.84	43	1120428	363.894	ug/l # 93
31) 2,2-Dichloropropane	6.83	77	1128849	87.439	ug/l # 80
32) 1,1,1-Trichloroethane	7.57	97	1294252	93.583	ug/l 97
33) Carbon Tetrachloride	7.78	117	1185607	93.922	ug/l 93
34) Benzene	8.04	78	3046661	84.503	ug/l # 61
35) Methacrylonitrile	7.17	41	251360m	64.644	ug/l
36) 1,2-Dichloroethane	8.12	62	1013222	87.203	ug/l 98
37) Trichloroethene	8.84	130	815106	85.677	ug/l 99
38) Methylcyclohexane	9.08	83	1231422	88.797	ug/l 84
39) 1,2-Dichloropropane	9.12	63	723483	73.770	ug/l 98
40) Dibromomethane	9.21	93	508205	91.059	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.40	83	1119971	91.501	ug/l	95
42) Vinyl Acetate	5.90	43	7073708	408.790	ug/l #	93
43) Ethyl Acetate	6.93	43	513171	79.169	ug/l	99
44) Isopropyl Acetate	8.17	43	1113900	89.707	ug/l	100
45) 1,4-Dioxane	9.20	88	145932	1921.844	ug/l #	81
46) Methyl methacrylate	9.20	41	504802	81.887	ug/l	83
47) n-amyl Acetate	12.07	43	1038162m	105.231	ug/l	
48) t-1,3-Dichloropropene	10.38	75	1236727	102.656	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	1259893	89.531	ug/l	94
50) 1,1,2-Trichloroethane	10.56	97	756860	95.127	ug/l	96
51) Ethyl methacrylate	10.43	69	979719	105.159	ug/l	86
52) 1,3-Dichloropropane	10.71	76	1180290	87.870	ug/l	97
53) Dibromochloromethane	10.90	129	1032149	112.776	ug/l	96
54) 1,2-Dibromoethane	11.01	107	819626	107.263	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	1931915	415.782	ug/l	95
56) Bromoform	12.13	173	785520	128.079	ug/l	94
58) 4-Methyl-2-Pentanone	9.99	43	2854215	372.611	ug/l #	90
59) 2-Hexanone	10.75	43	1921900	385.358	ug/l #	92
61) Tetrachloroethene	10.63	164	826885	81.396	ug/l	96
62) Toluene	10.16	91	3772075	84.329	ug/l	98
64) Chlorobenzene	11.43	112	2468088	90.163	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.51	131	1016109	95.870	ug/l	99
66) Ethyl Benzene	11.51	91	4320053	93.984	ug/l	99
67) m/p-Xylenes	11.62	106	3558696	199.132	ug/l	98
68) o-Xylene	11.95	106	1735741	102.202	ug/l	91
69) Styrene	11.96	104	2856496	106.202	ug/l	98
70) Isopropylbenzene	12.25	105	4730271	103.905	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	972857	92.154	ug/l	95
72) 1,2,3-Trichloropropane	12.55	75	754728m	82.549	ug/l	
73) Bromobenzene	12.53	156	1181997	103.998	ug/l	86
74) n-propylbenzene	12.59	91	5240522	99.412	ug/l	95
75) 2-Chlorotoluene	12.68	91	3069078	98.450	ug/l	94
76) 1,3,5-Trimethylbenzene	12.73	105	4030074	107.024	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	308237	108.148	ug/l	92
78) 4-Chlorotoluene	12.77	91	3166632	102.272	ug/l	93
79) tert-butylbenzene	12.99	119	3557442	109.071	ug/l	96
80) 1,2,4-Trimethylbenzene	13.04	105	4051147	106.664	ug/l	97
81) sec-Butylbenzene	13.17	105	4790288	106.585	ug/l	97
82) p-Isopropyltoluene	13.29	119	4343816	111.861	ug/l	97
83) 1,3-Dichlorobenzene	13.28	146	2175651	109.138	ug/l	97
84) 1,4-Dichlorobenzene	13.36	146	2111634	112.607	ug/l	98
85) n-Butylbenzene	13.62	91	3507880	111.484	ug/l	94
86) Hexachloroethane	13.88	117	843244	109.358	ug/l	89
87) 1,2-Dichlorobenzene	13.65	146	2105068	110.319	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.27	75	166067	107.292	ug/l #	80
89) 1,2,4-Trichlorobenzene	14.91	180	1061705	115.063	ug/l	98
90) Hexachlorobutadiene	15.01	225	605845	83.511	ug/l	97
91) Naphthalene	15.13	128	2261547	133.419	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	996846	107.143	ug/l	93

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Manual Integrations
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QLast Update : Fri Oct 05 10:47:33 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

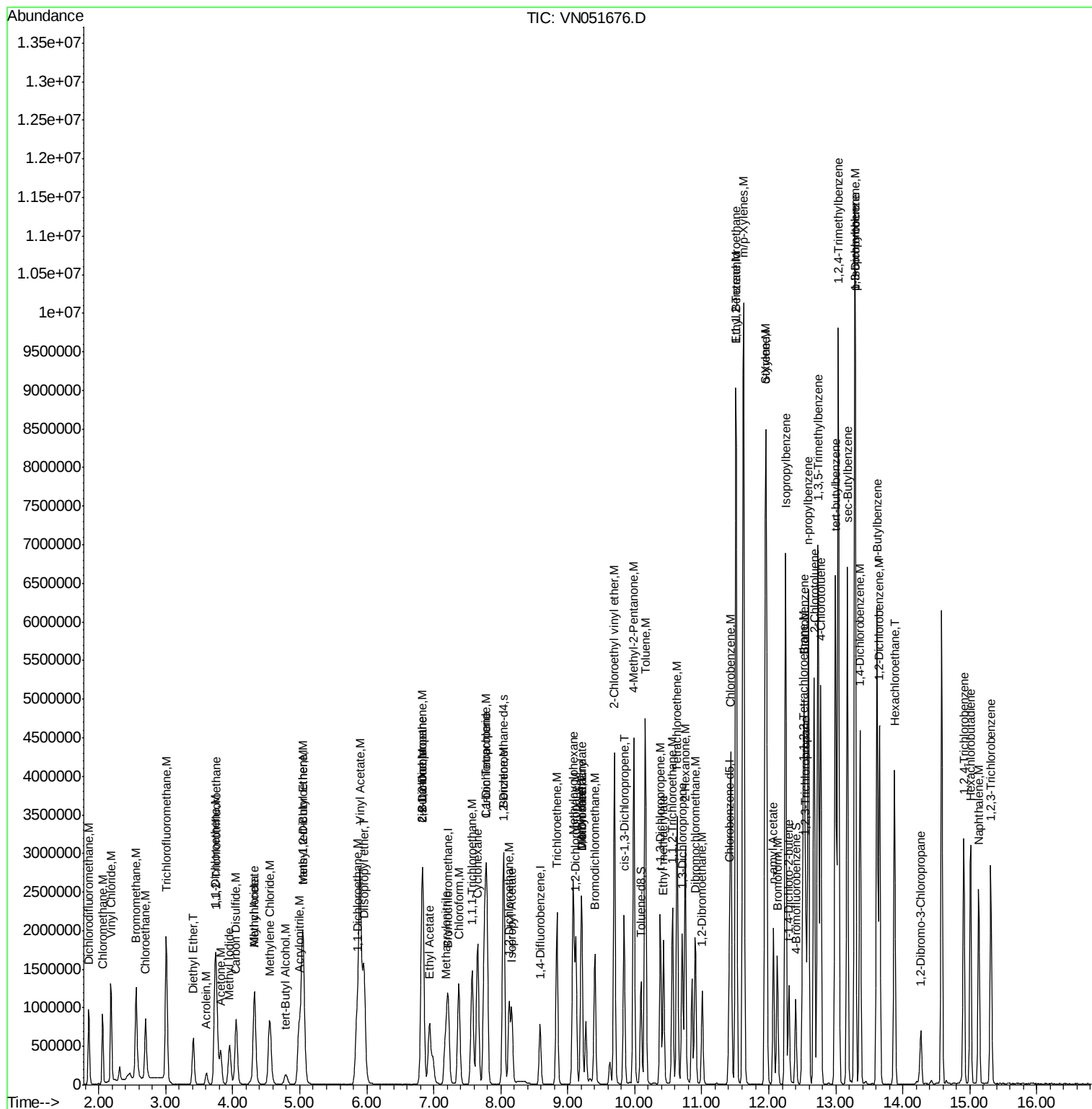
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100518\
Data File : VN051676.D
Acq On : 5 Oct 2018 10:25
Operator : MD\SY
Sample : VSTDIC100
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 28

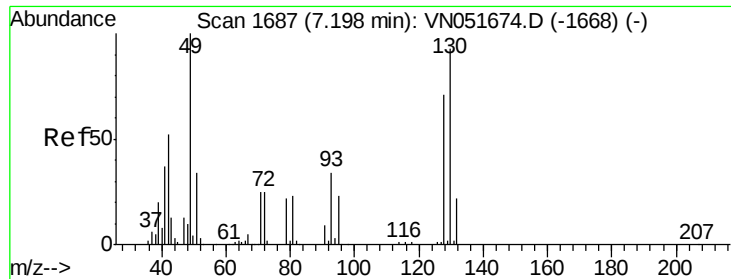
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Manual Integrations
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Quant Time: Oct 05 10:55:34 2018
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QLast Update : Fri Oct 05 10:47:33 2018
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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: VN051676.D

Acq: 5 Oct 2018 10:25

Instrument :

MSVOA_N

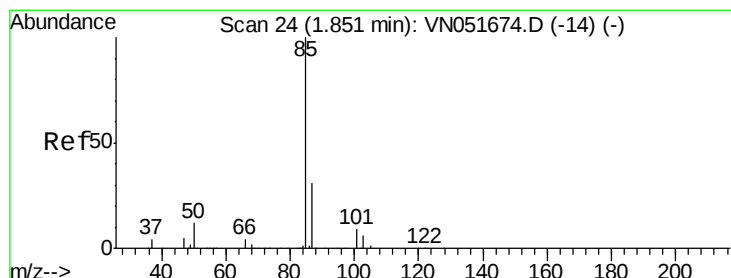
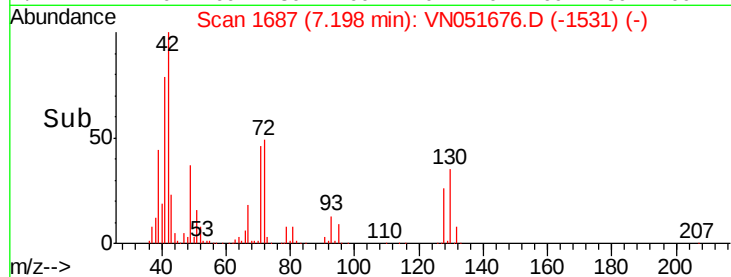
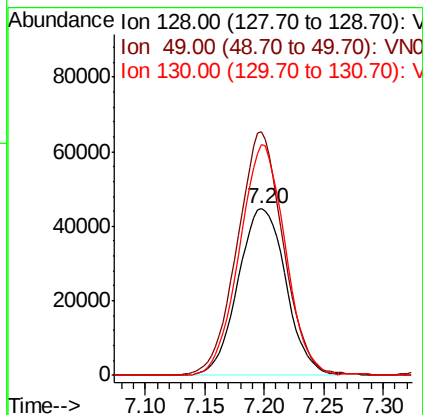
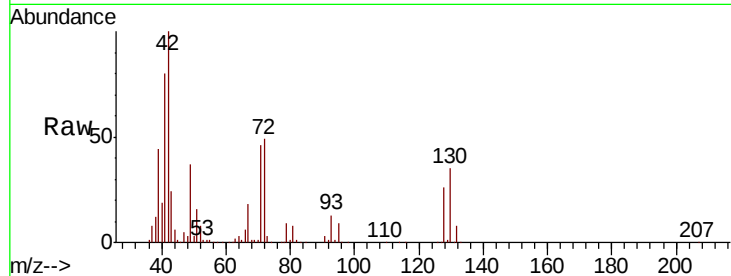
ClientSampleId :

VSTDIC100

Tot Ion:	128	Resp:	124732
Ion	Ratio	Lower	Upper
128	100		
49	140.6	0.0	403.3
130	132.0	0.0	326.0

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 121.615 ug/l

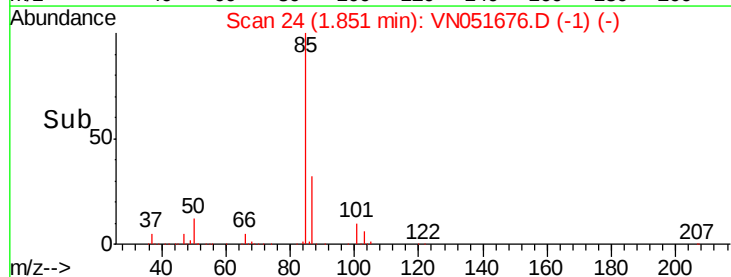
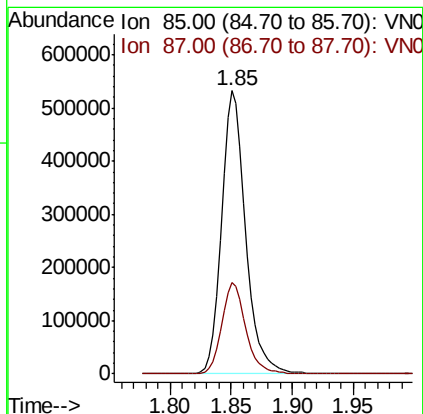
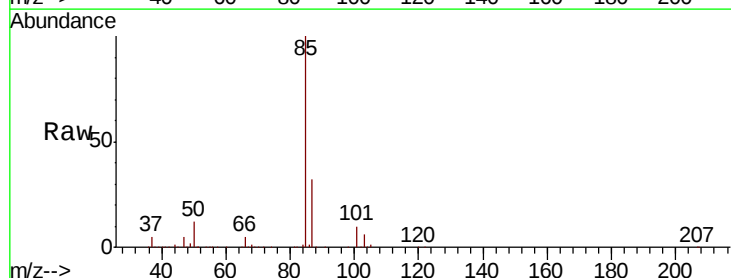
RT: 1.85 min Scan# 24

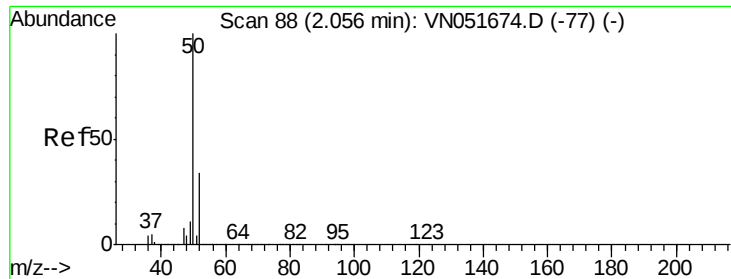
Delta R.T. -0.00 min

Lab File: VN051676.D

Acq: 5 Oct 2018 10:25

Tgt Ion:	85	Resp:	737364
Ion	Ratio	Lower	Upper
85	100		
87	32.1	16.3	48.8





#3

Chloromethane

Concen: 67.994 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051676.D

Acq: 5 Oct 2018 10:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion: 50 Resp: 717182

Ion Ratio Lower Upper

50 100

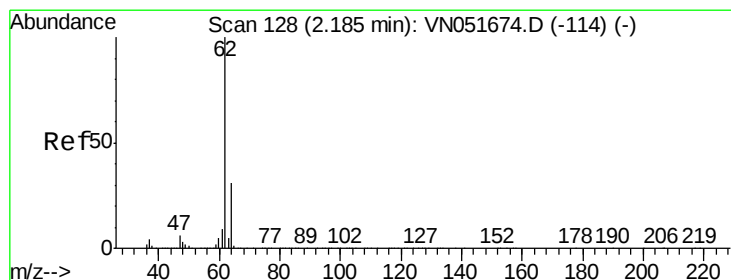
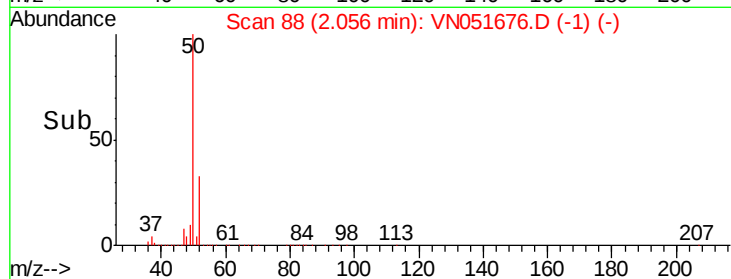
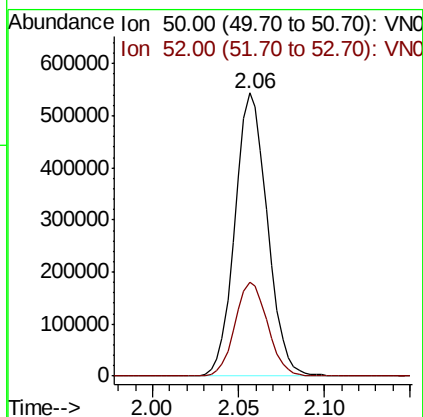
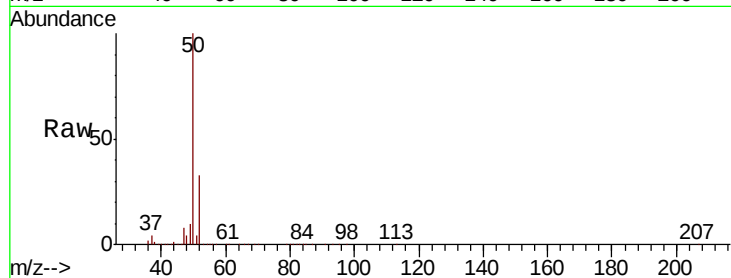
52 33.1 27.2 40.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 97.086 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051676.D

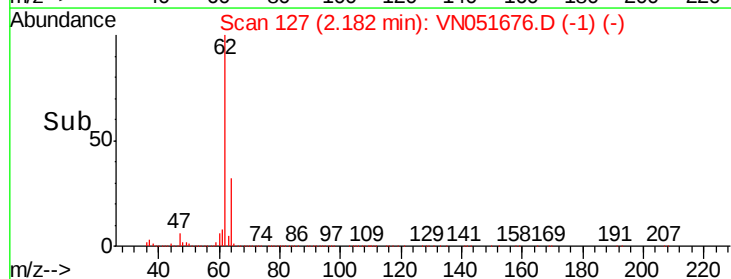
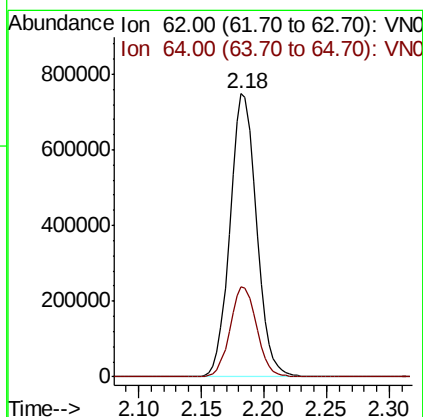
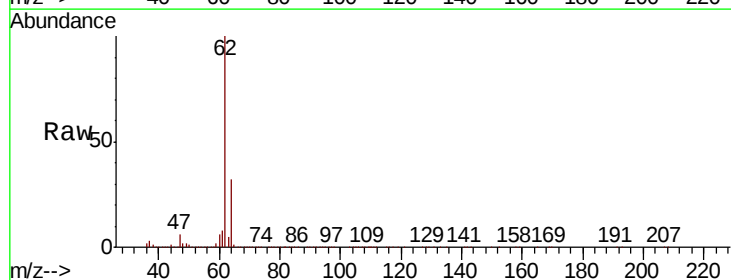
Acq: 5 Oct 2018 10:25

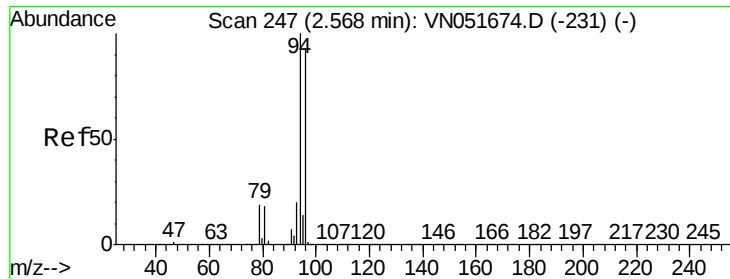
Tgt Ion: 62 Resp: 1101385

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.2





#5

Bromomethane

Concen: 116.062 ug/l

RT: 2.56 min Scan# 244

Delta R.T. -0.01 min

Lab File: VN051676.D

Acq: 5 Oct 2018 10:25

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MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion: 94 Resp: 855943

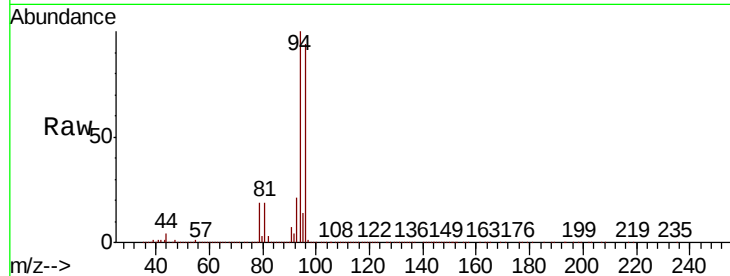
Ion Ratio Lower Upper

94 100

96 94.2 66.4 99.6

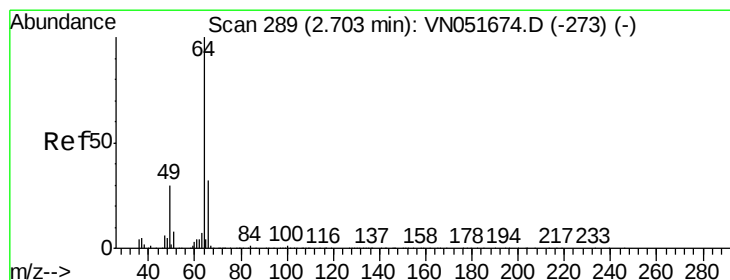
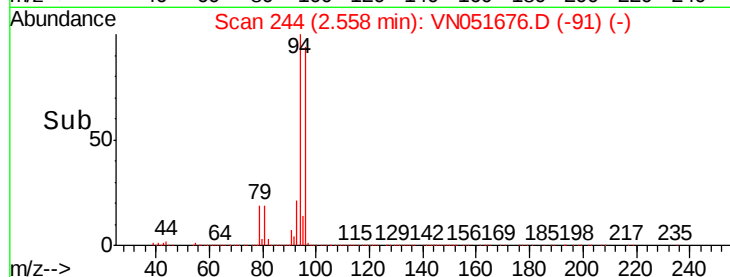
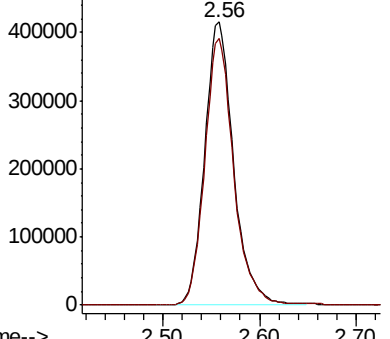
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 104.210 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.00 min

Lab File: VN051676.D

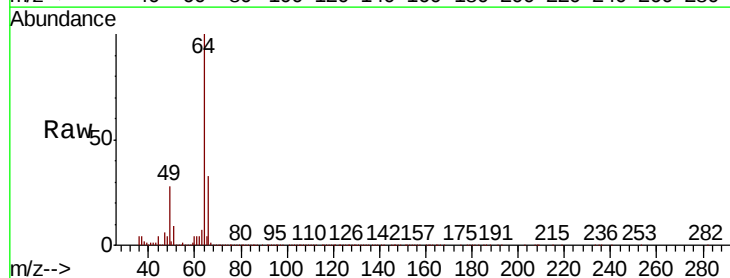
Acq: 5 Oct 2018 10:25

Tgt Ion: 64 Resp: 732686

Ion Ratio Lower Upper

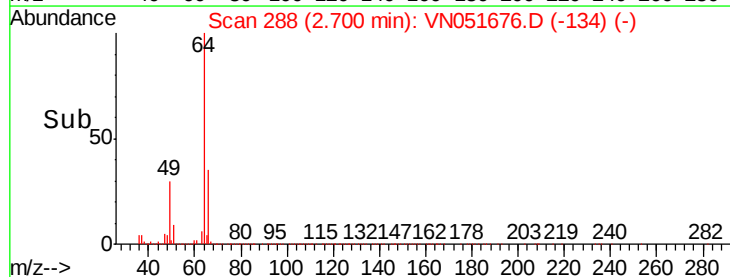
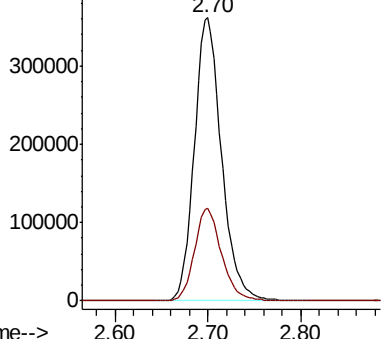
64 100

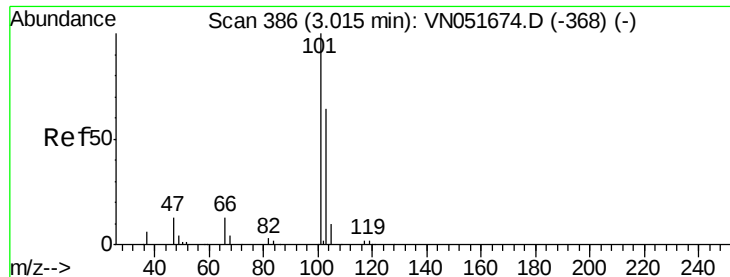
66 32.7 25.8 38.6



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

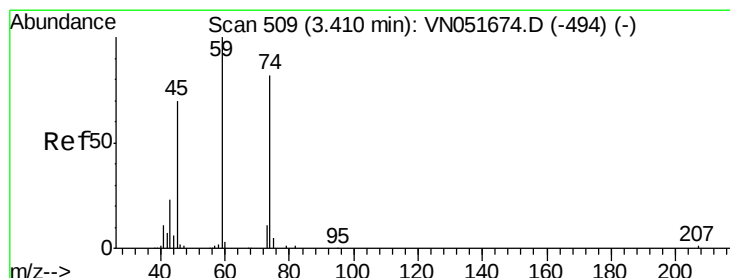
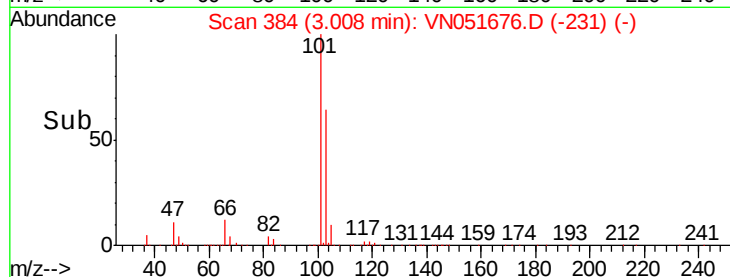
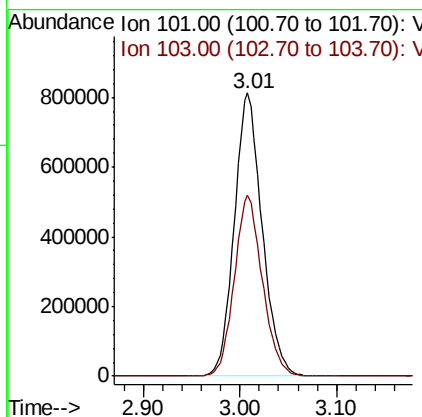
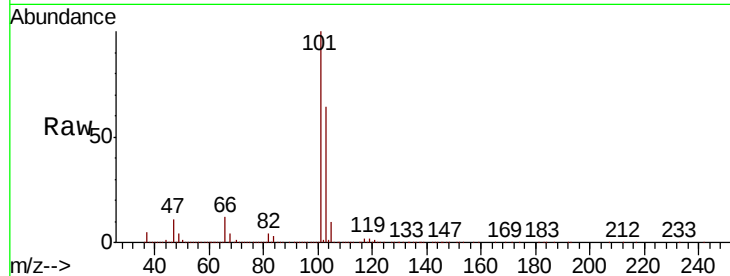
Trichlorofluoromethane
Concen: 109.488 ug/l
RT: 3.01 min Scan# 384
Delta R.T. -0.01 min
Lab File: VN051676.D
Acq: 5 Oct 2018 10:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:101 Resp: 1624593
Ion Ratio Lower Upper
101 100
103 63.7 54.8 82.2

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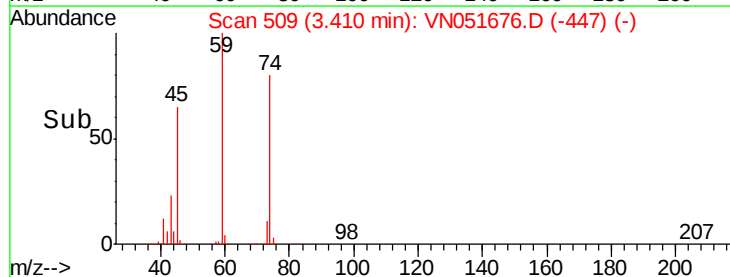
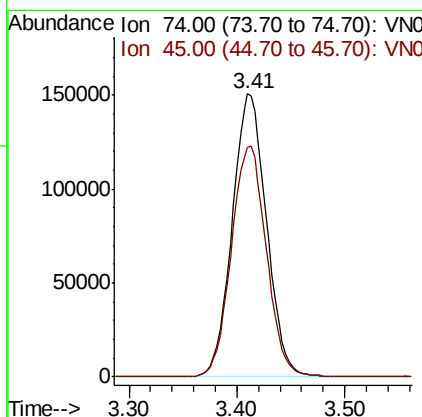
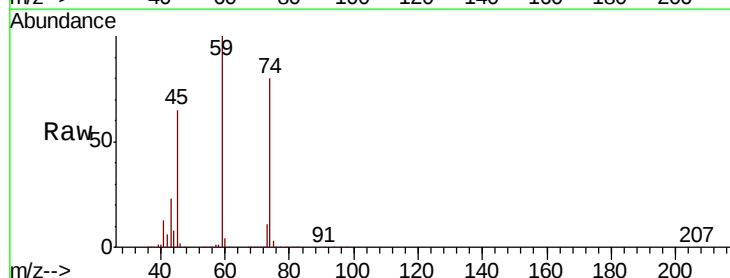
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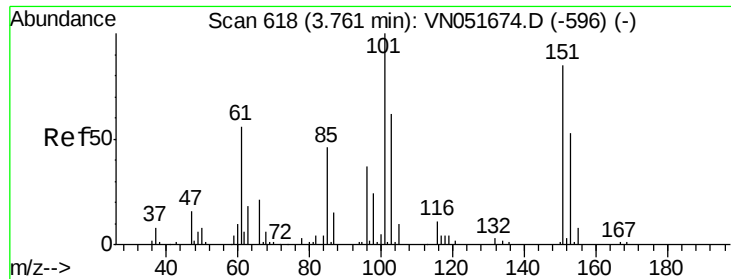


#8

Diethyl Ether
Concen: 75.399 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN051676.D
Acq: 5 Oct 2018 10:25

Tgt Ion: 74 Resp: 331796
Ion Ratio Lower Upper
74 100
45 83.4 20.7 186.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 81.185 ug/l

RT: 3.76 min Scan# 617

Delta R.T. -0.00 min

Lab File: VN051676.D

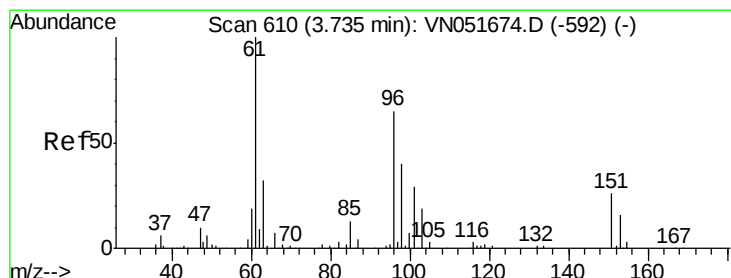
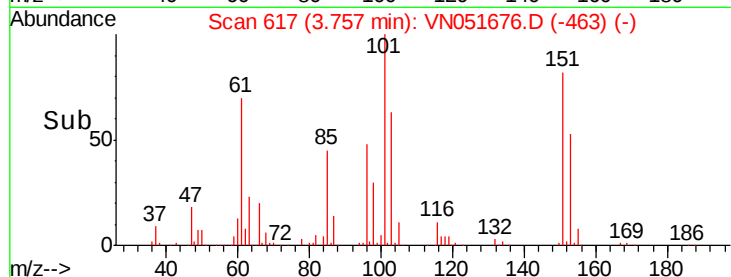
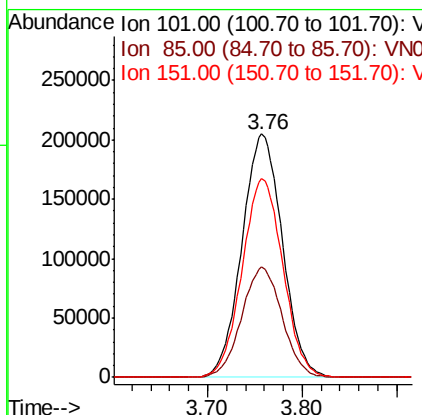
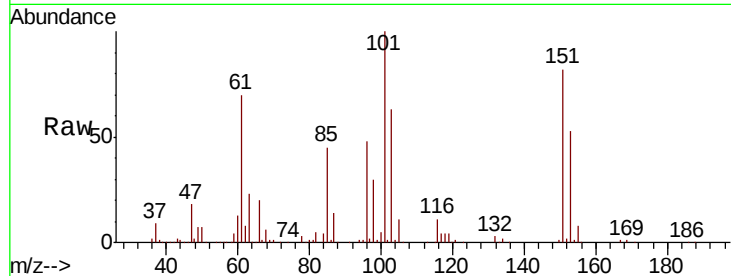
Acq: 5 Oct 2018 10:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp Lower	Upper
101	100		
85	45.4	0.0	46.0
151	82.2	0.0	82.2#

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#10

1,1-Dichloroethene

Concen: 82.037 ug/l

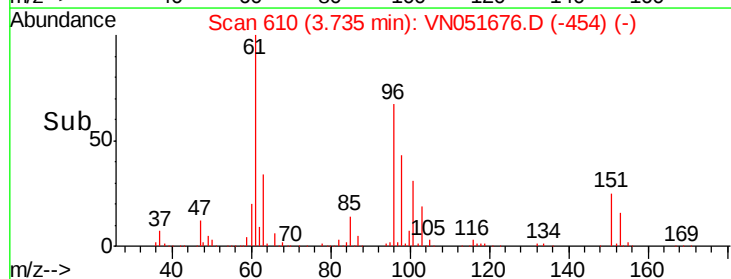
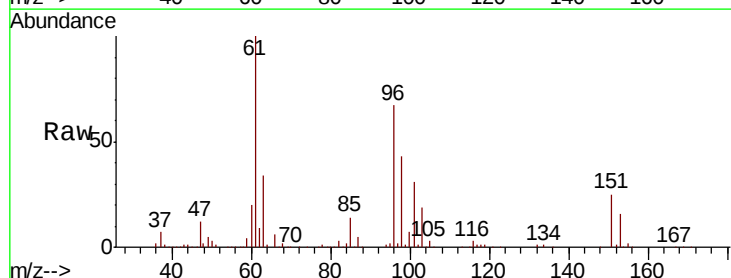
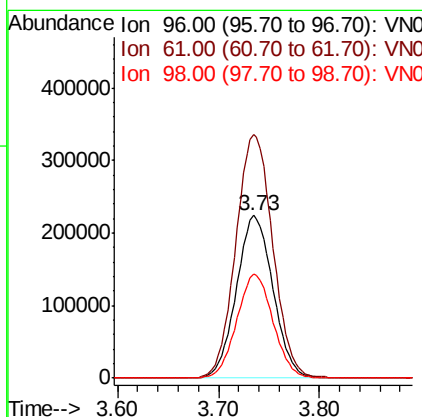
RT: 3.73 min Scan# 610

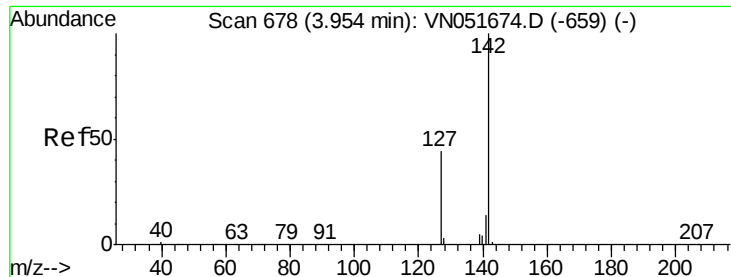
Delta R.T. -0.00 min

Lab File: VN051676.D

Acq: 5 Oct 2018 10:25

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	149.9	133.0	199.6
98	64.2	52.6	78.8





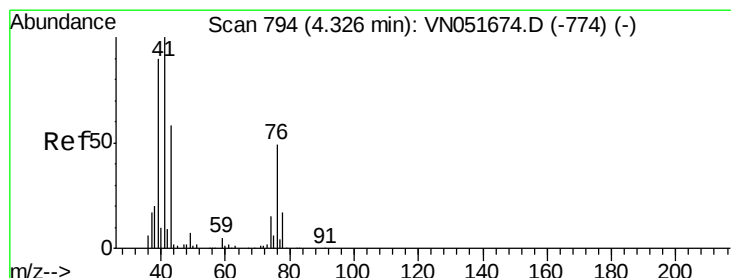
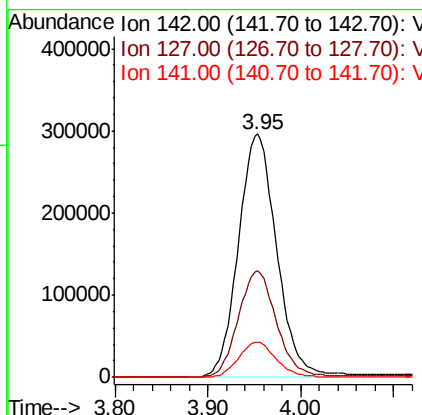
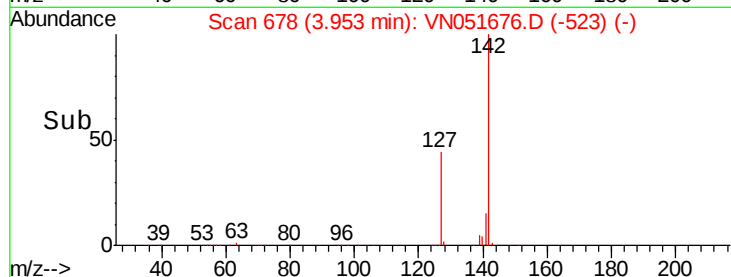
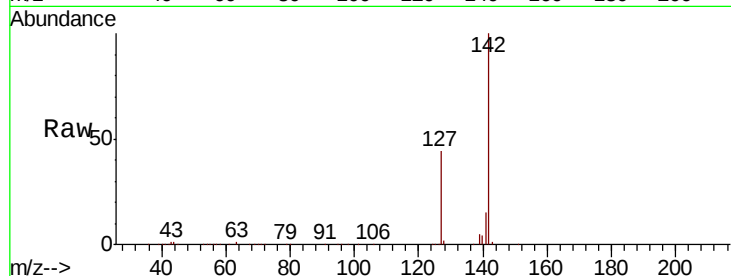
#11
Methyl Iodide
Concen: 82.898 ug/l
RT: 3.95 min Scan# 678
Delta R.T. -0.00 min
Lab File: VN051676.D
Acq: 5 Oct 2018 10:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
142	100		
127	43.7	19.7	59.0
141	14.6	6.3	18.9

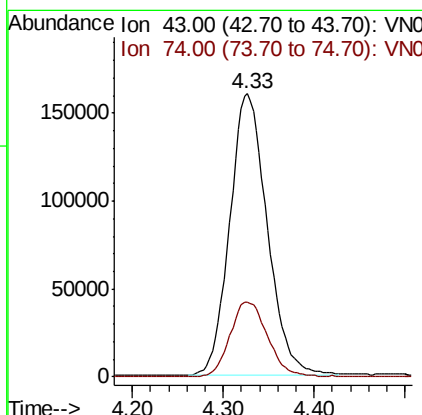
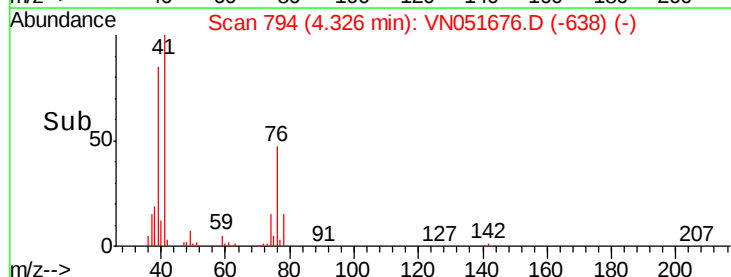
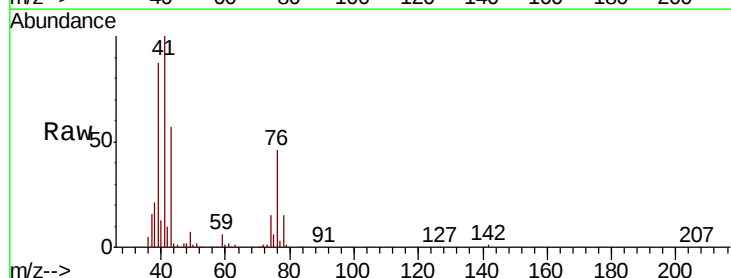
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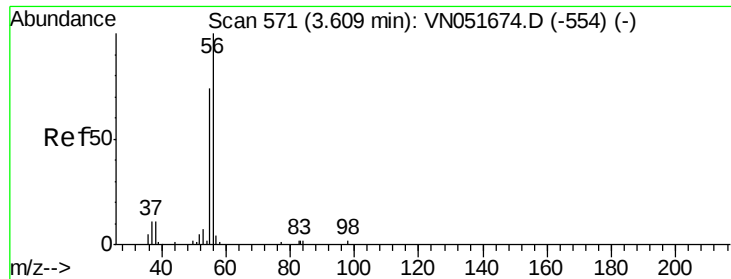
MMDadoda
10/8/2018 3:58:48 PM



#12
Methyl Acetate
Concen: 76.792 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051676.D
Acq: 5 Oct 2018 10:25

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.4	21.8	32.6





#13

Acrolein

Concen: 201.413 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN051676.D

Acq: 5 Oct 2018 10:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 164287

Ion Ratio Lower Upper

56 100

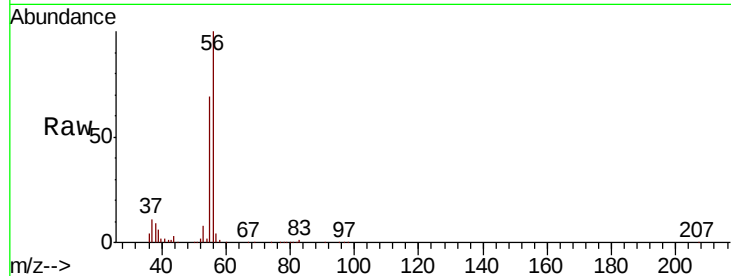
55 69.9 64.0 96.0

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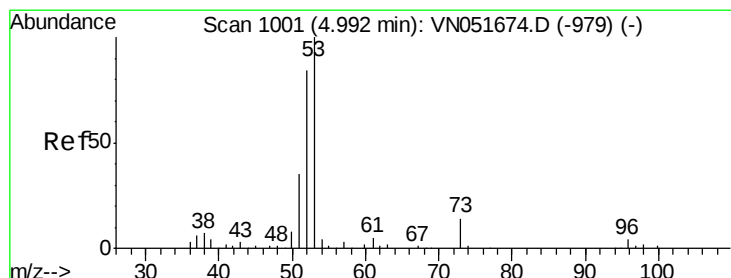
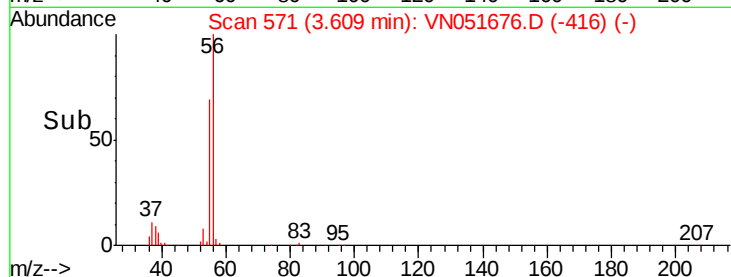
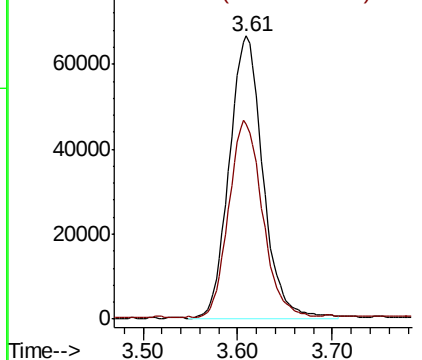
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 395.944 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN051676.D

Acq: 5 Oct 2018 10:25

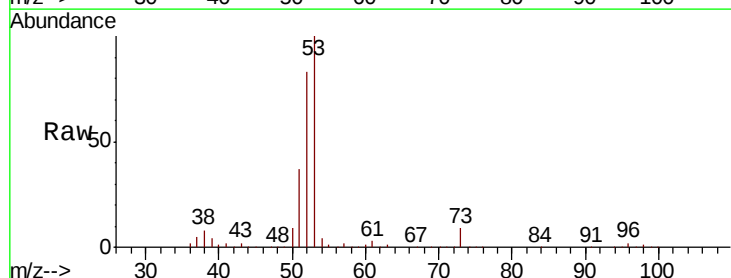
Tgt Ion: 53 Resp: 969577

Ion Ratio Lower Upper

53 100

52 82.1 18.3 54.8#

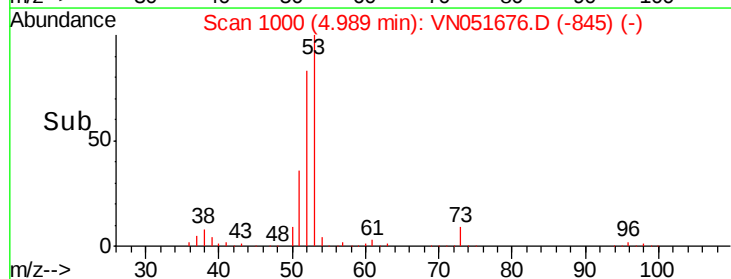
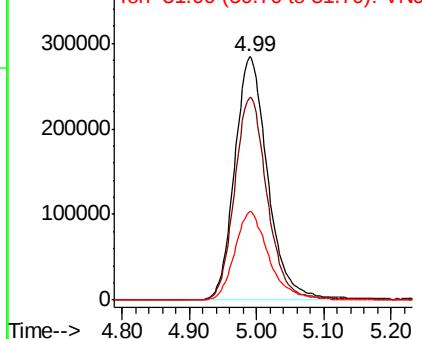
51 37.5 19.7 59.1

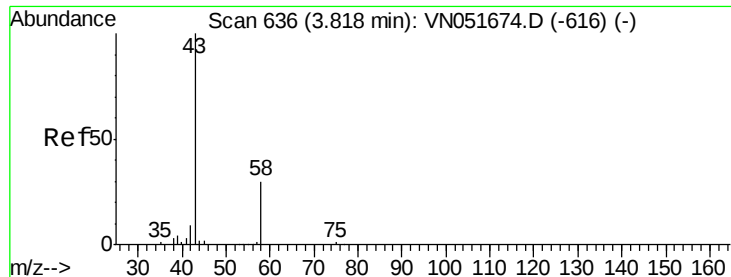


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 346.943 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN051676.D

Acq: 5 Oct 2018 10:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 58 Resp: 207179

Ion Ratio Lower Upper

58 100

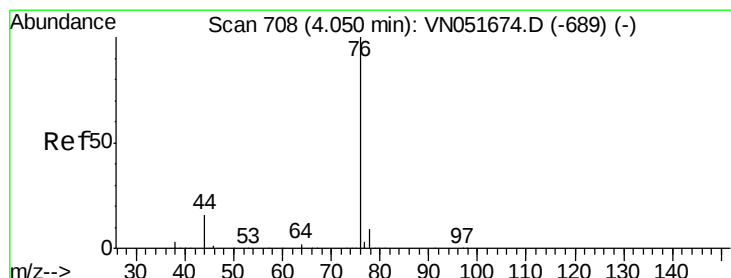
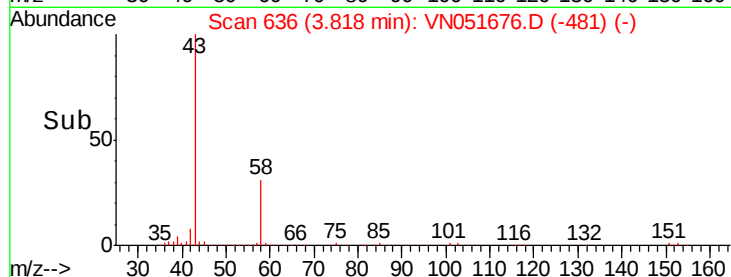
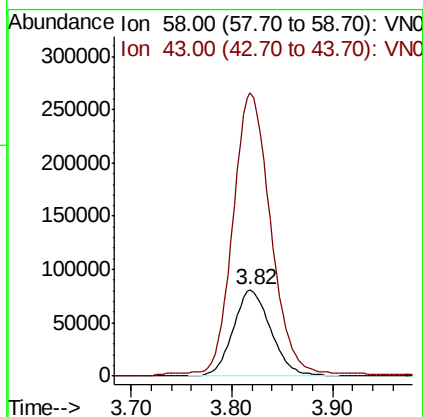
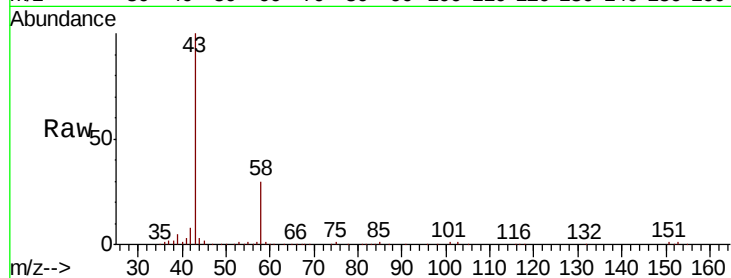
43 325.7 232.2 348.2

Manual Integrations

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#16

Carbon Disulfide

Concen: 76.274 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: VN051676.D

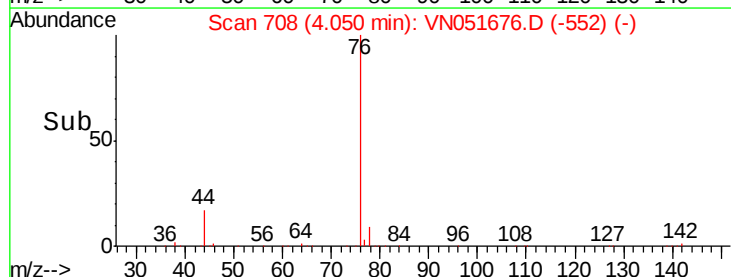
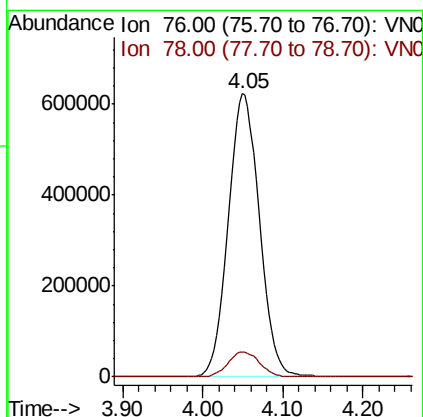
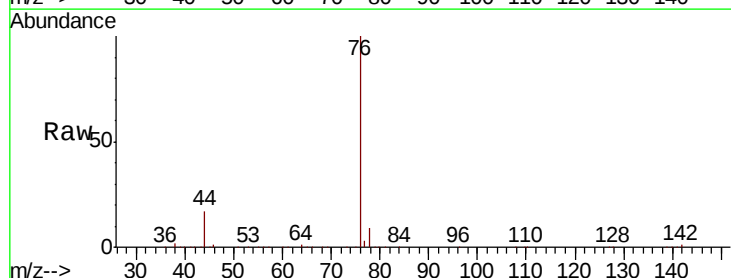
Acq: 5 Oct 2018 10:25

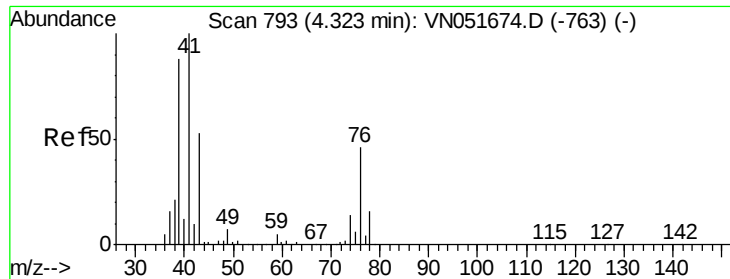
Tgt Ion: 76 Resp: 1647726

Ion Ratio Lower Upper

76 100

78 8.9 6.7 10.1





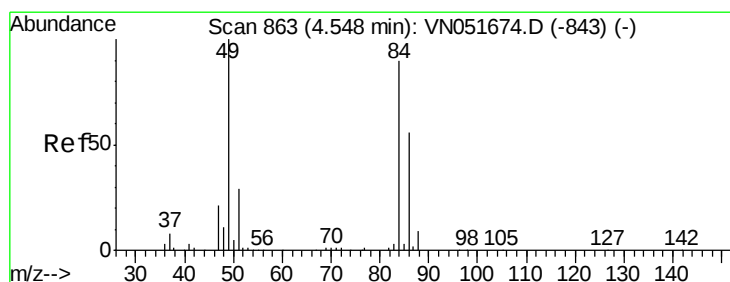
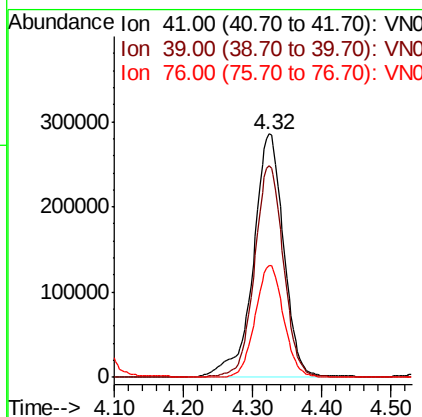
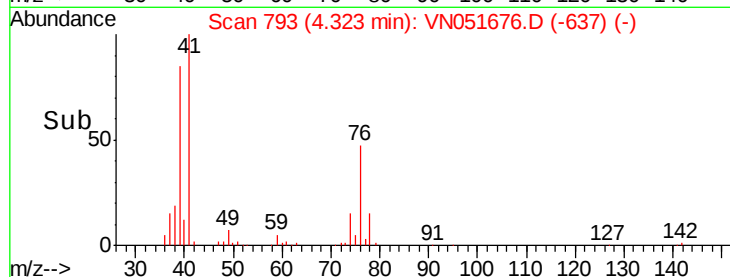
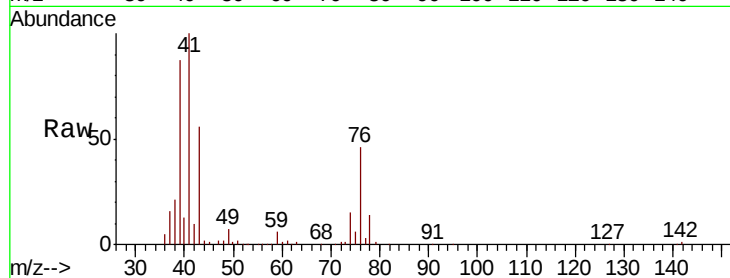
#17
Allvl chloride
Concen: 71.612 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN051676.D
Acq: 5 Oct 2018 10:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:	41	Resp:	860375
Ion	Ratio	Lower	Upper
41	100		
39	86.8	32.6	97.8
76	45.6	20.2	60.5

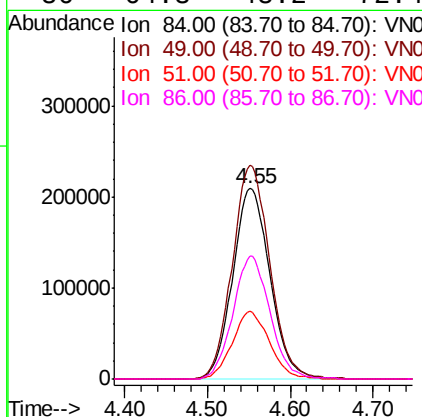
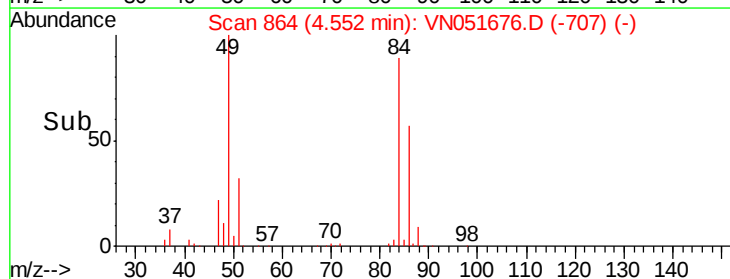
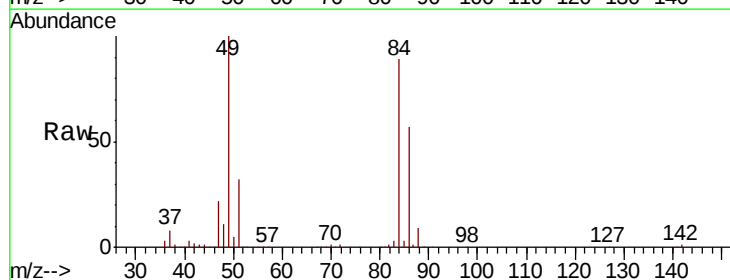
Manual Integrations
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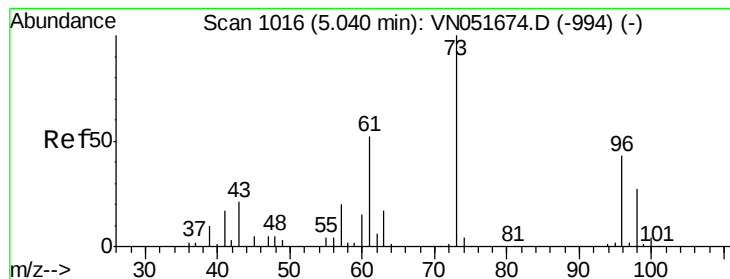
MMDadoda
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#18
Methylene Chloride
Concen: 79.950 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN051676.D
Acq: 5 Oct 2018 10:25

Tgt Ion:	84	Resp:	655483
Ion	Ratio	Lower	Upper
84	100		
49	111.9	91.6	137.4
51	35.2	29.8	44.6
86	64.3	48.2	72.4





#19

trans-1,2-Dichloroethene

Concen: 88.642 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VN051676.D

Acq: 5 Oct 2018 10:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 661106

Ion Ratio Lower Upper

96 100

61 125.4 112.3 168.5

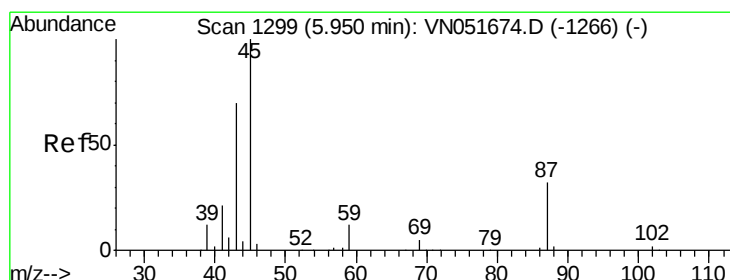
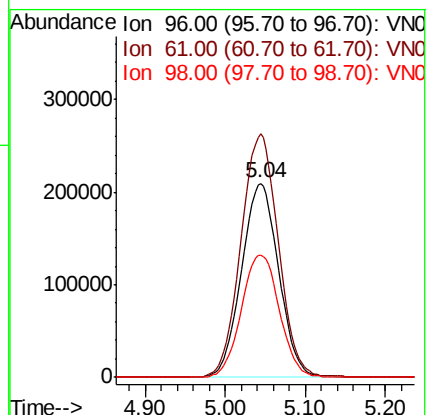
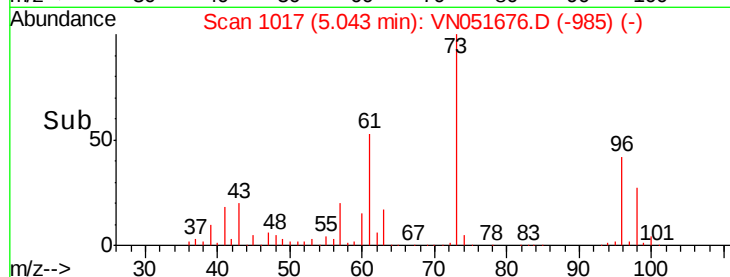
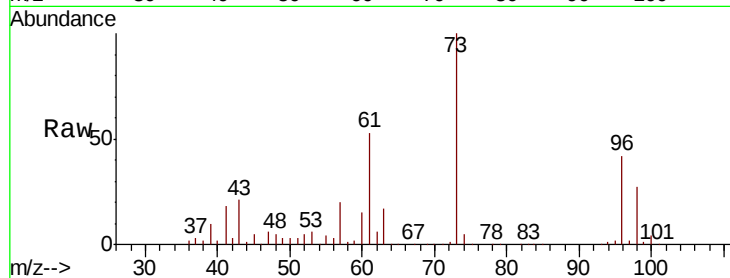
98 63.2 47.1 70.7

Manual Integrations

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#20

Diisopropyl ether

Concen: 78.836 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.01 min

Lab File: VN051676.D

Acq: 5 Oct 2018 10:25

Tgt Ion: 45 Resp: 1927316

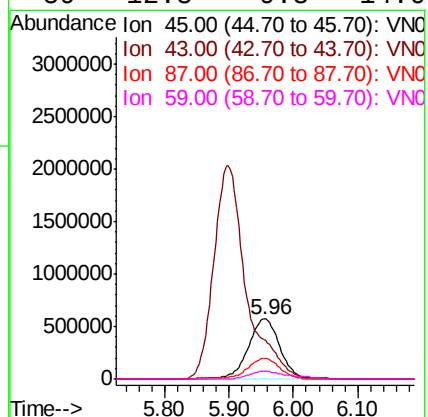
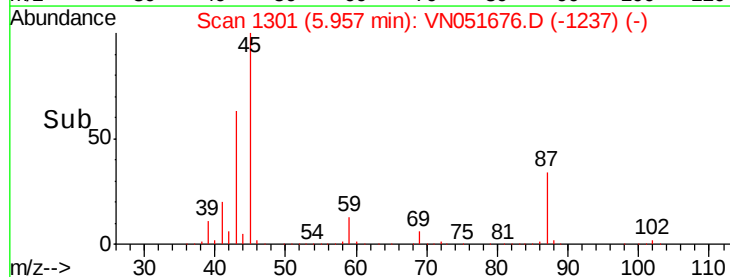
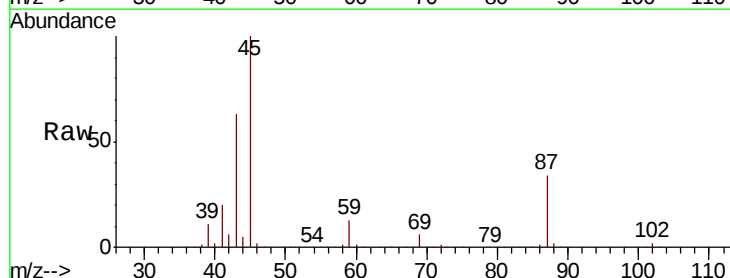
Ion Ratio Lower Upper

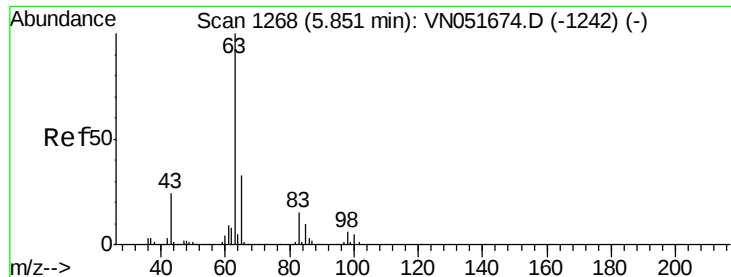
45 100

43 62.4 62.1 93.1

87 34.1 19.9 29.9#

59 12.8 9.8 14.6





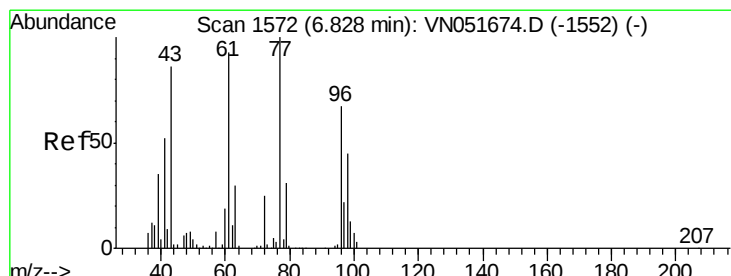
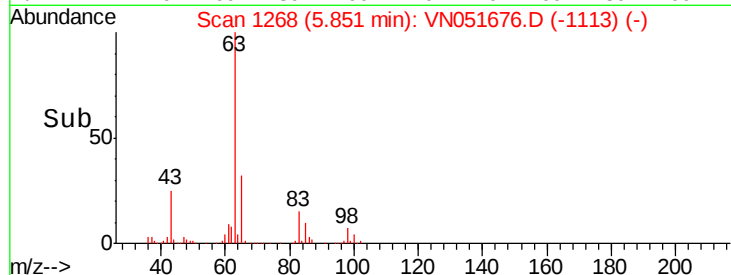
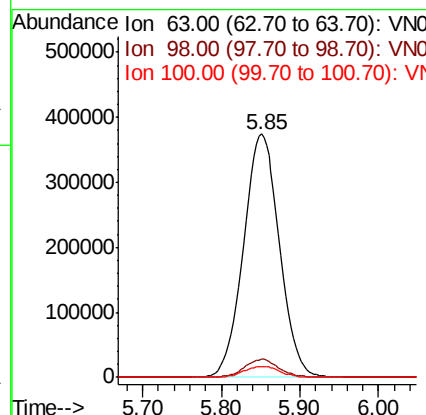
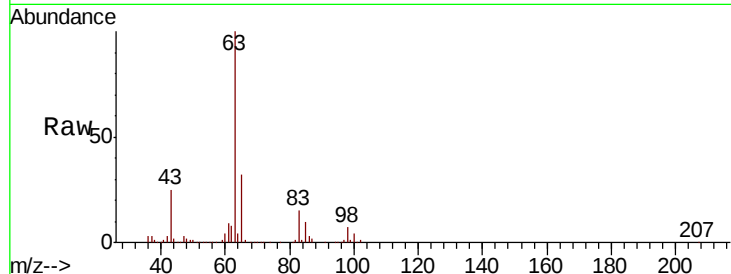
#21
 1,1-Dichloroethane
 Concen: 82.444 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN051676.D
 Acq: 5 Oct 2018 10:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
98	7.3	4.1	12.3
100	4.4	1.6	4.7

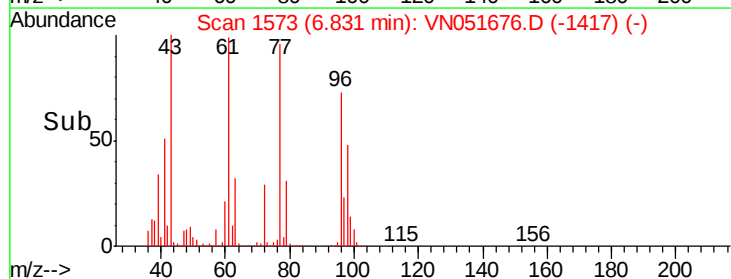
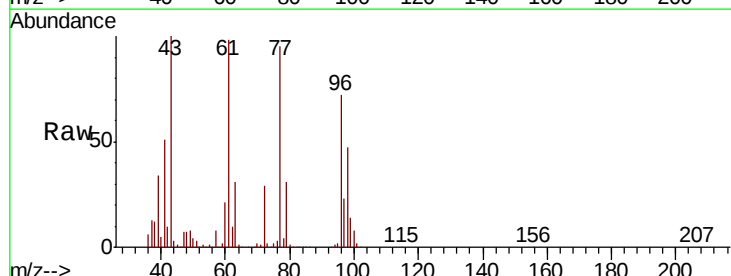
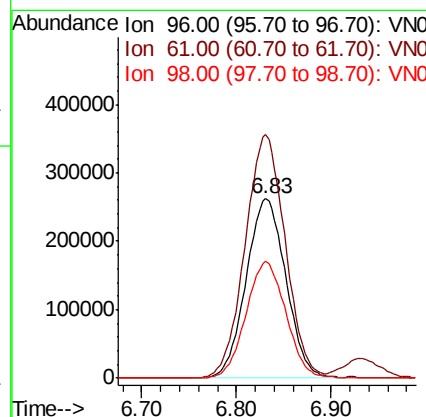
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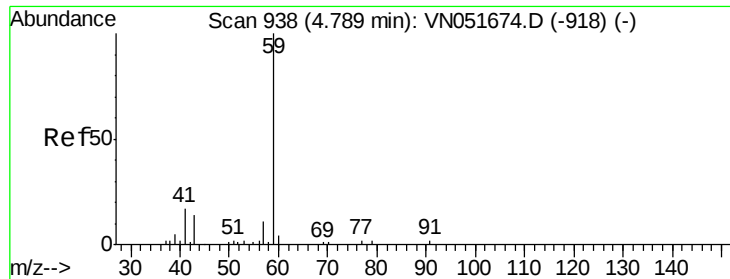
MMDadoda
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#22
 cis-1,2-Dichloroethene
 Concen: 91.635 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN051676.D
 Acq: 5 Oct 2018 10:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	136.4	124.5	186.7
98	65.0	51.9	77.9





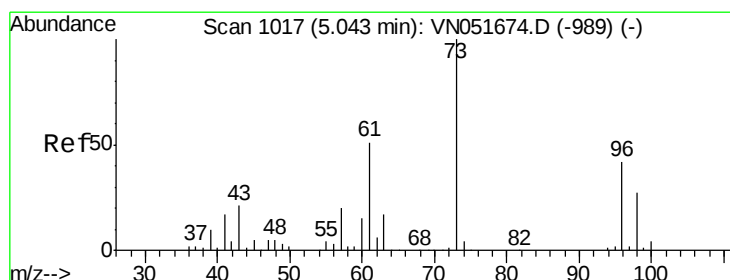
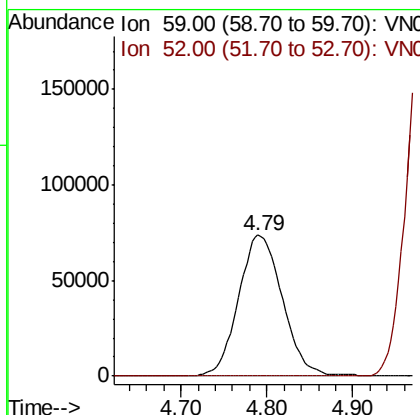
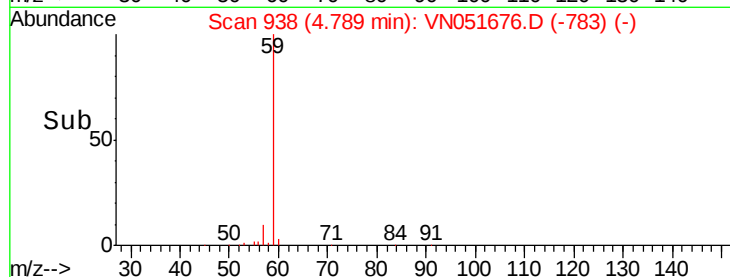
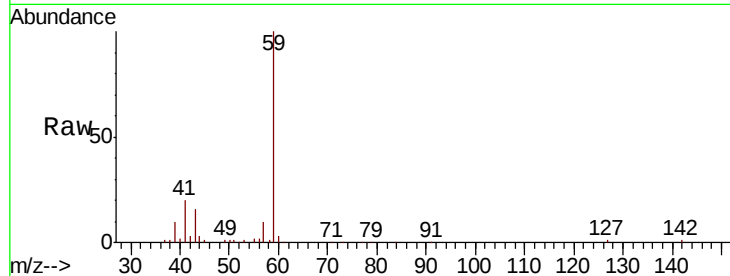
#23
tert-Butyl Alcohol
Concen: 571.465 ug/l
RT: 4.79 min Scan# 938
Delta R.T. -0.00 min
Lab File: VN051676.D
Acq: 5 Oct 2018 10:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 59 Resp: 261747
Ion Ratio Lower Upper
59 100
52 0.1 0.0 0.0#

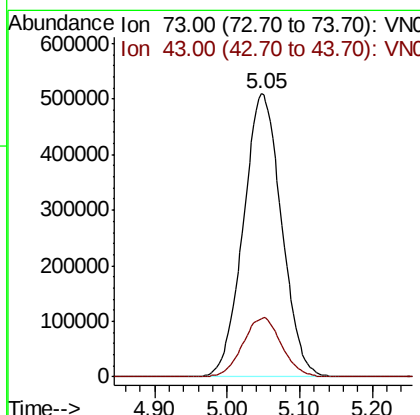
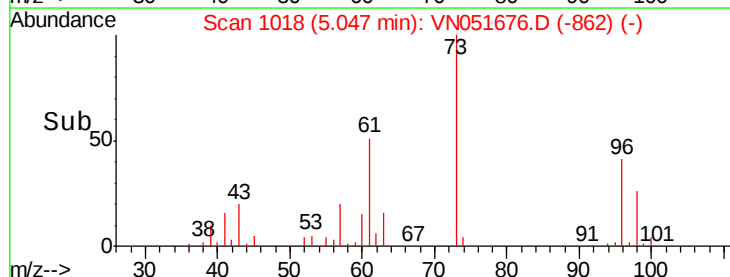
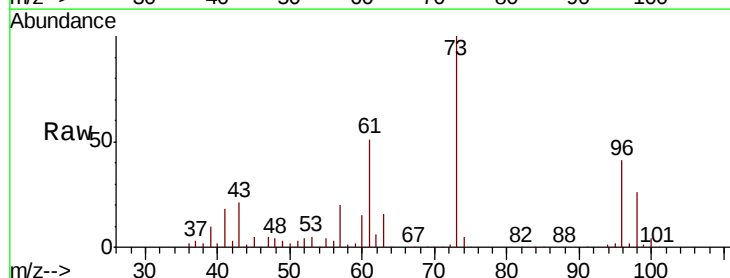
Manual Integrations
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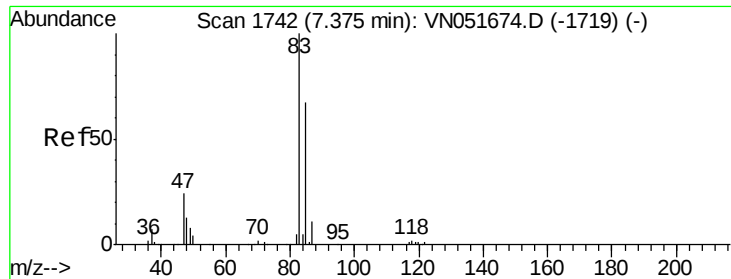
MMDadoda
10/8/2018 3:58:48 PM



#24
Methyl tert-Butyl Ether
Concen: 100.034 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN051676.D
Acq: 5 Oct 2018 10:25

Tgt Ion: 73 Resp: 1868782
Ion Ratio Lower Upper
73 100
43 21.0 5.4 8.0#





#25

Chloroform

Concen: 92.704 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VN051676.D

Acq: 5 Oct 2018 10:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 1352235

Ion Ratio Lower Upper

83 100

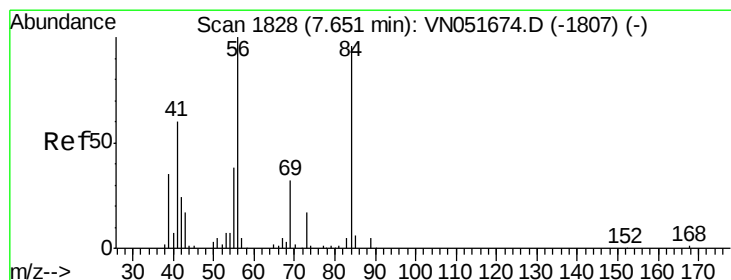
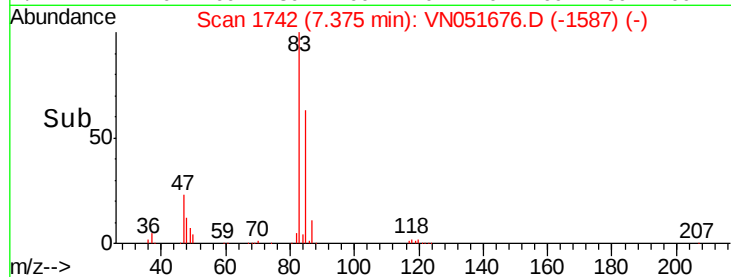
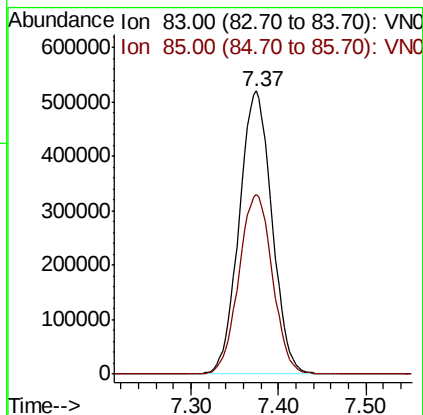
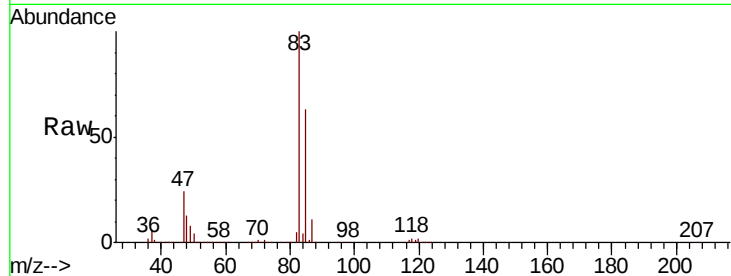
85 63.4 54.6 82.0

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#26

Cyclohexane

Concen: 82.813 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN051676.D

Acq: 5 Oct 2018 10:25

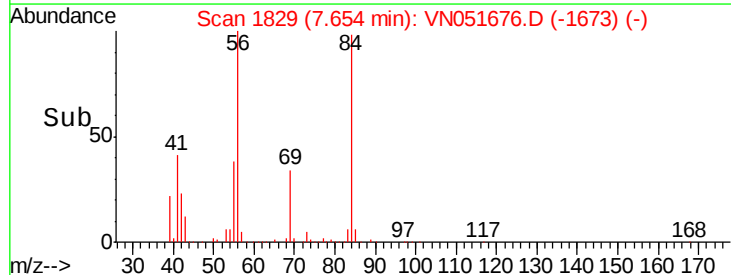
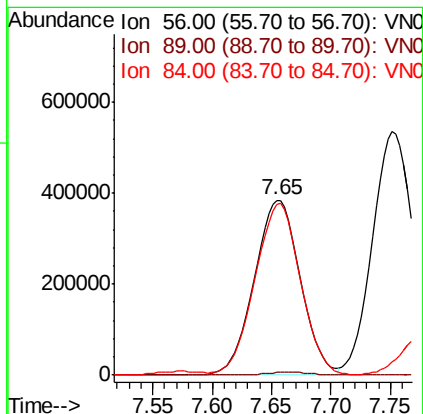
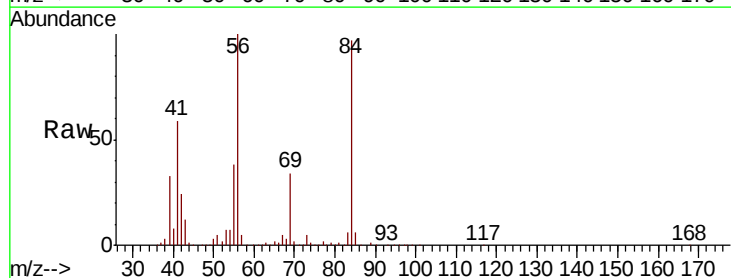
Tgt Ion: 56 Resp: 1025996

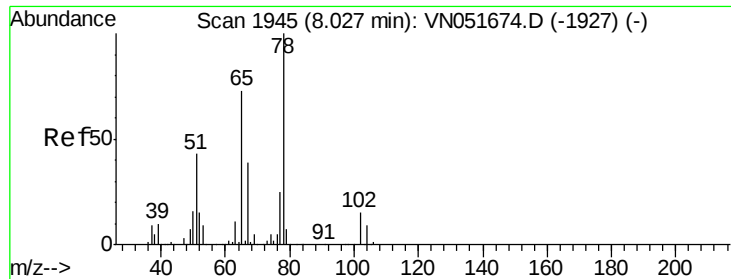
Ion Ratio Lower Upper

56 100

89 1.7 1.5 2.3

84 97.5 64.2 96.4#





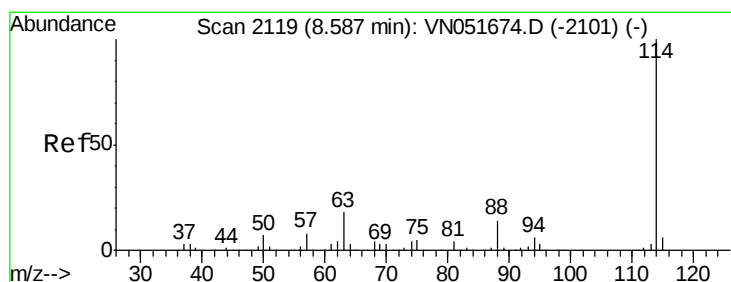
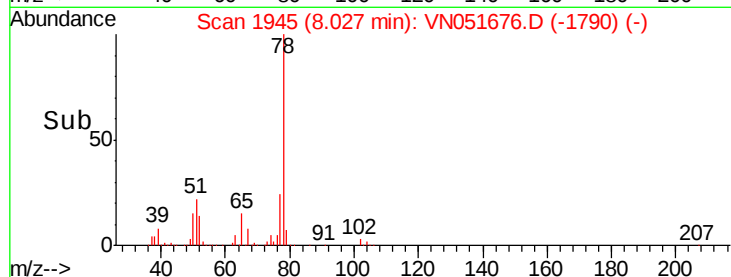
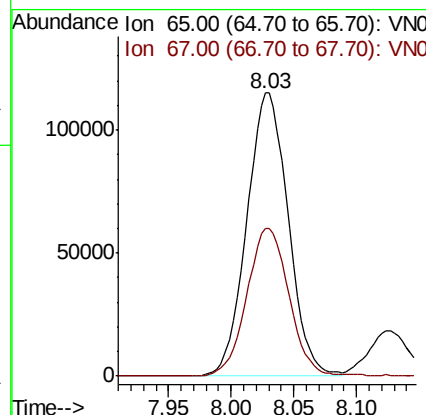
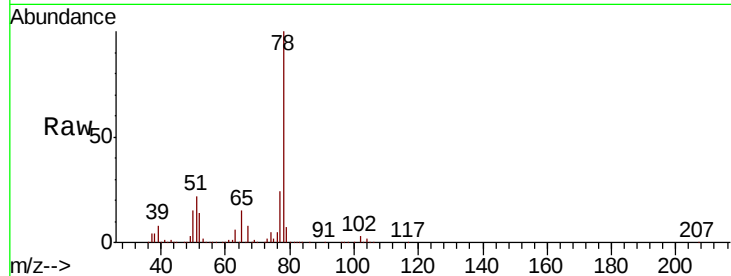
#27
 1,2-Dichloroethane-d4
 Concen: 82.813 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051676.D
 Acq: 5 Oct 2018 10:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.1	41.8	62.8

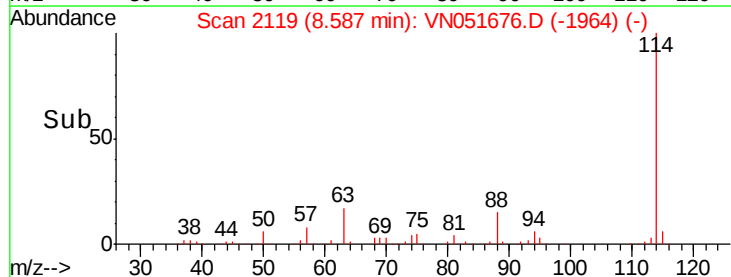
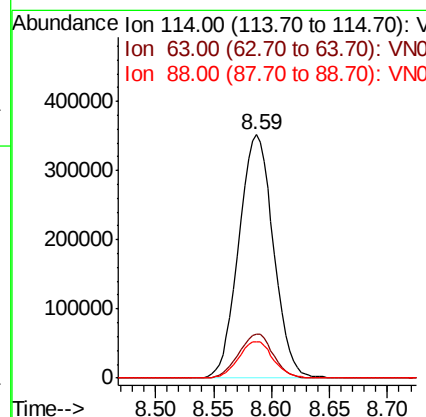
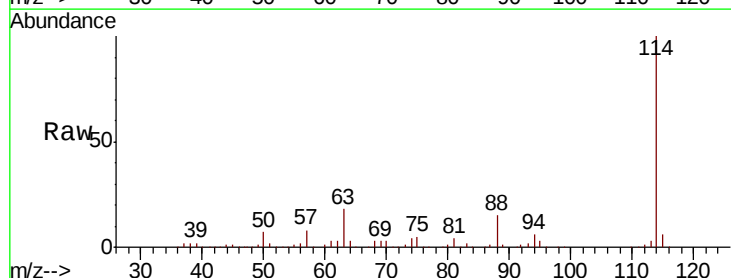
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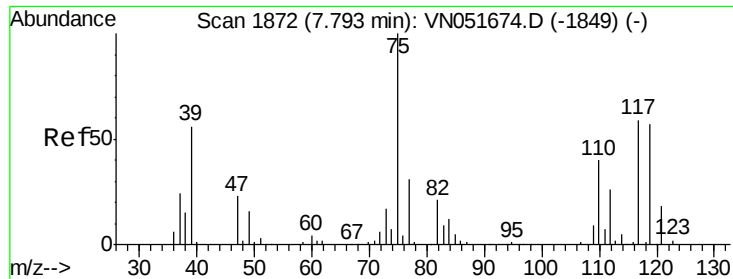
MMDadoda
 10/8/2018 3:58:48 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051676.D
 Acq: 5 Oct 2018 10:25

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.9	16.2	24.2
88	14.9	12.2	18.4





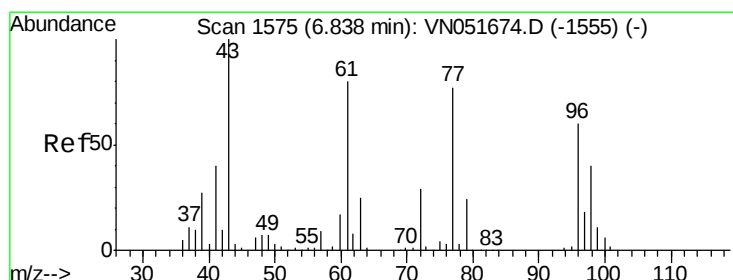
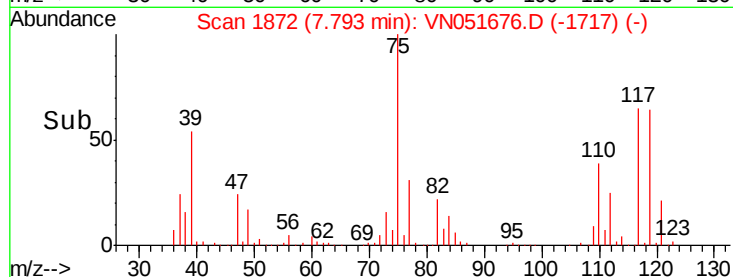
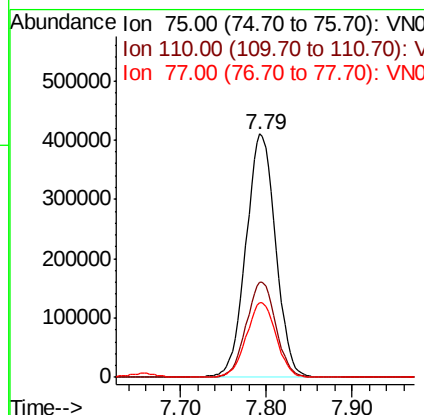
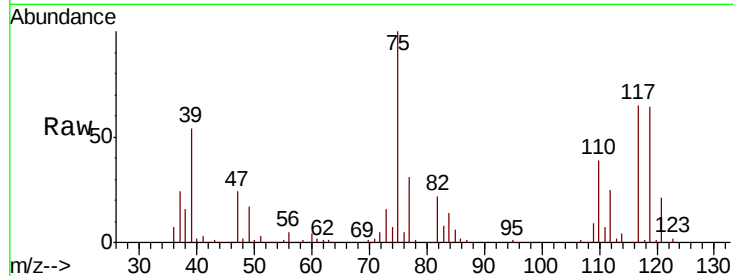
#29
 1,1-Dichloropropene
 Concen: 81.370 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051676.D
 Acq: 5 Oct 2018 10:25

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
110	38.9	0.0	70.8
77	31.0	0.0	61.6

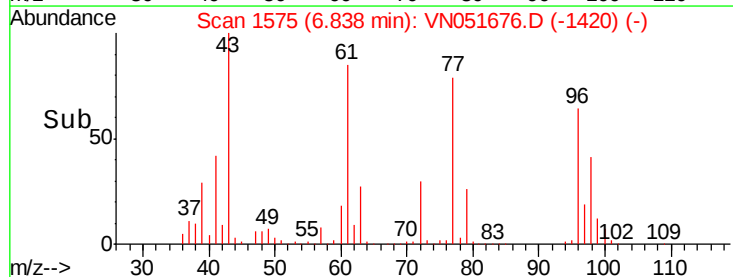
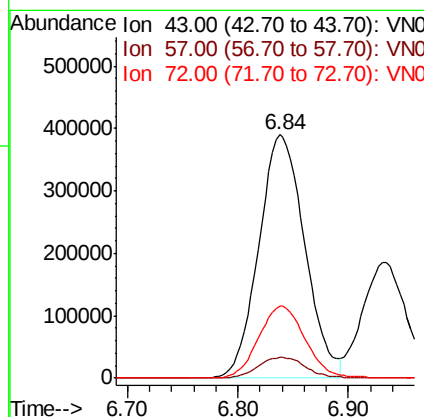
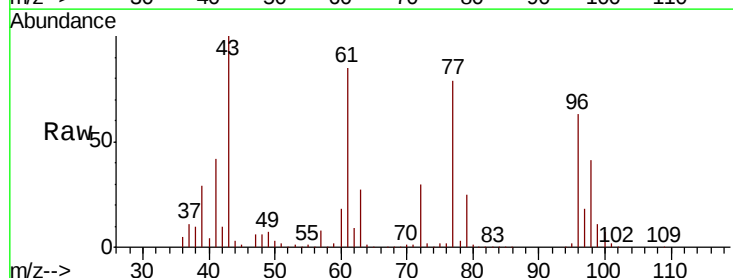
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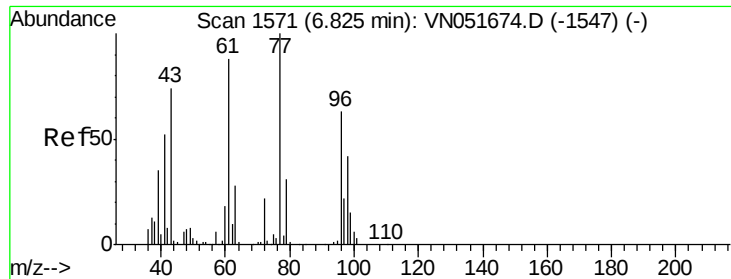
MMDadoda
 10/8/2018 3:58:48 PM



#30
 2-Butanone
 Concen: 363.894 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VN051676.D
 Acq: 5 Oct 2018 10:25

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.7	4.5	6.7#
72	30.1	21.5	32.3





#31

2,2-Dichloropropane

Concen: 87.439 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN051676.D

Acq: 5 Oct 2018 10:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 77 Resp: 1128849

Ion Ratio Lower Upper

77 100

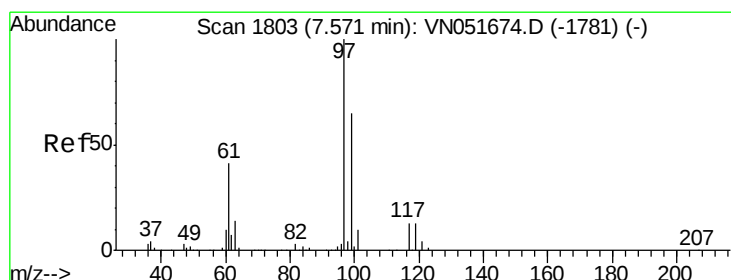
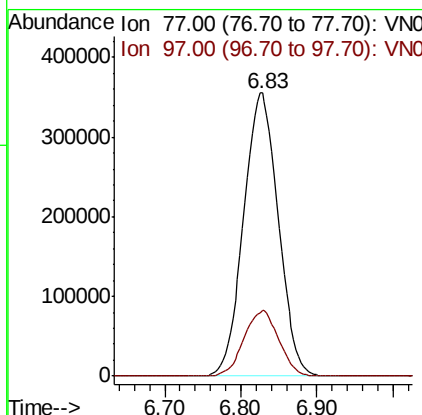
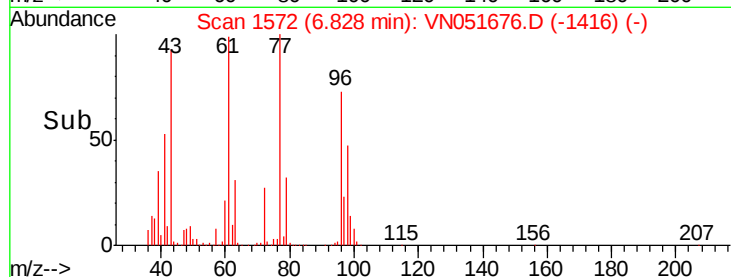
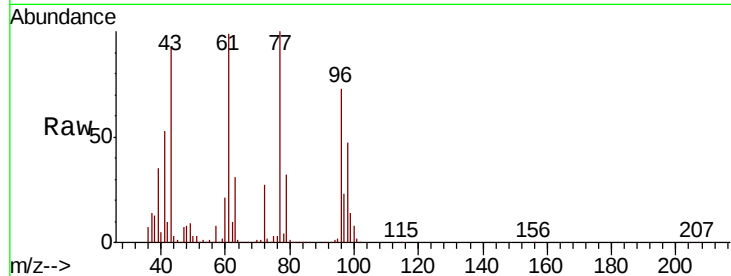
97 23.3 12.0 18.0#

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 93.583 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN051676.D

Acq: 5 Oct 2018 10:25

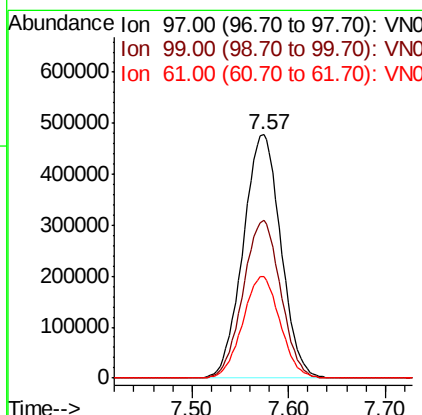
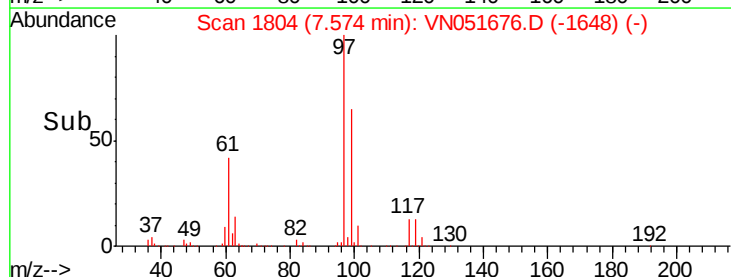
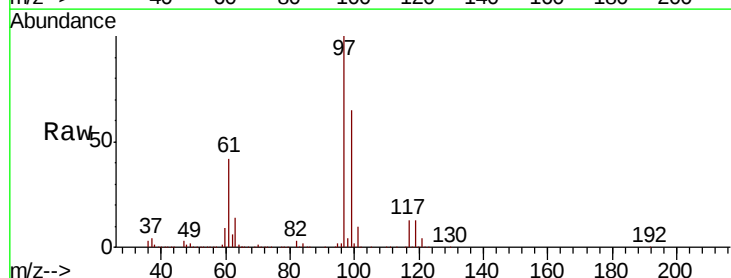
Tgt Ion: 97 Resp: 1294252

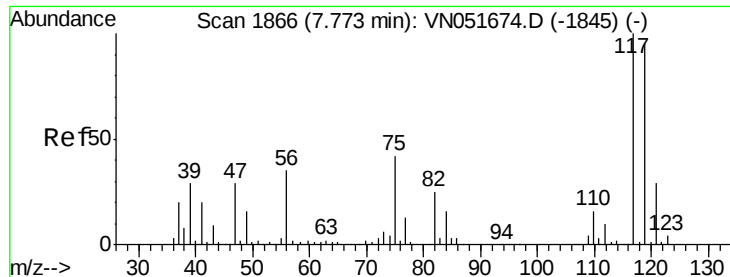
Ion Ratio Lower Upper

97 100

99 64.5 51.6 77.4

61 41.3 37.4 56.0





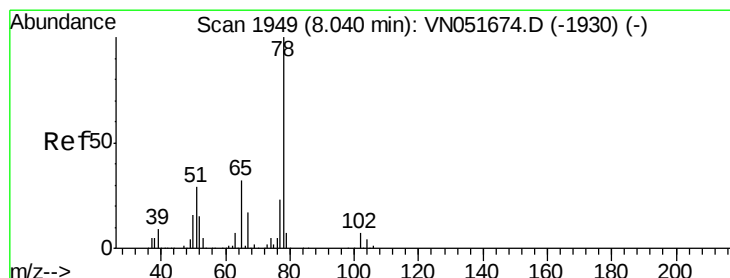
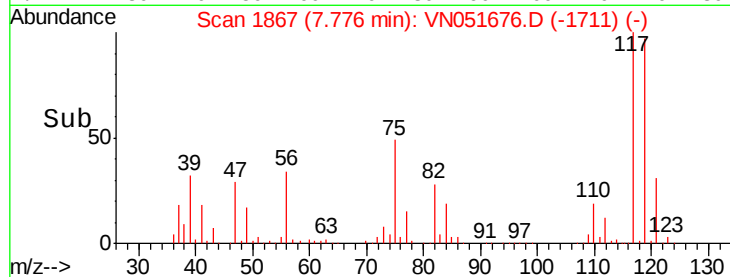
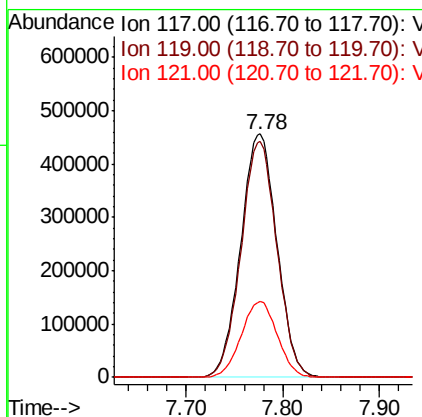
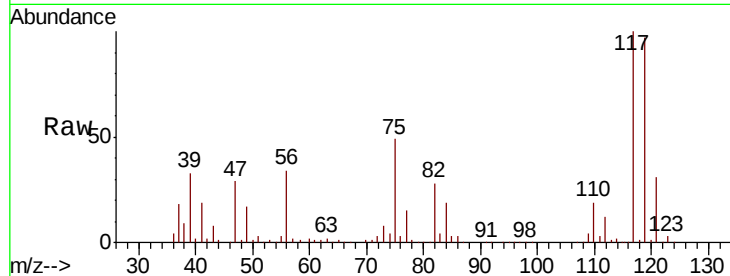
#33
Carbon Tetrachloride
Concen: 93.922 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051676.D
Acq: 5 Oct 2018 10:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:117 Resp: 1185607
Ion Ratio Lower Upper
117 100
119 97.0 85.1 127.7
121 30.9 24.2 36.2

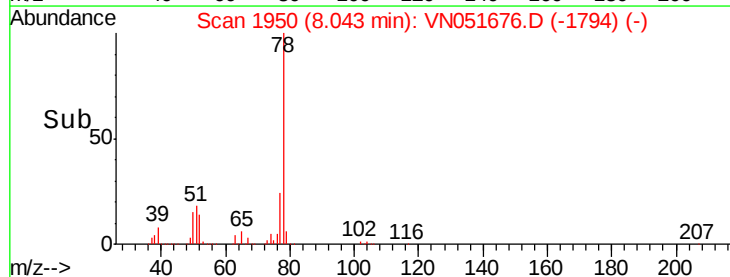
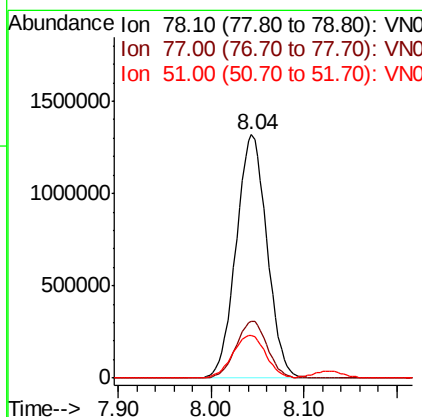
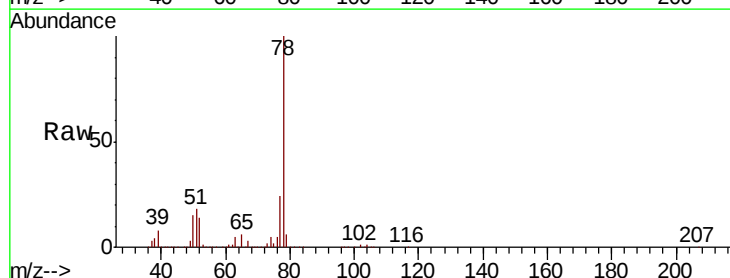
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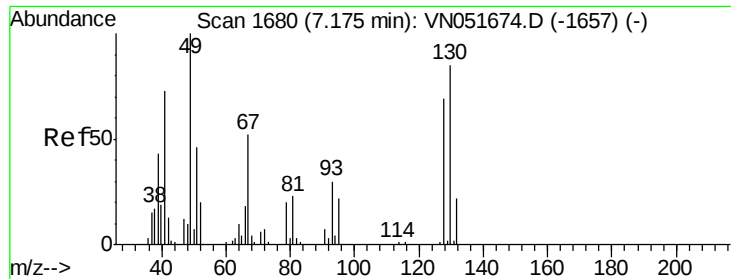
MMDadoda
10/8/2018 3:58:48 PM



#34
Benzene
Concen: 84.503 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051676.D
Acq: 5 Oct 2018 10:25

Tgt Ion: 78 Resp: 3046661
Ion Ratio Lower Upper
78 100
77 23.5 18.8 28.2
51 17.5 46.2 69.4#





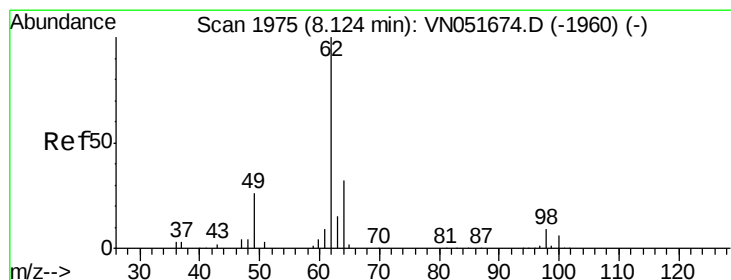
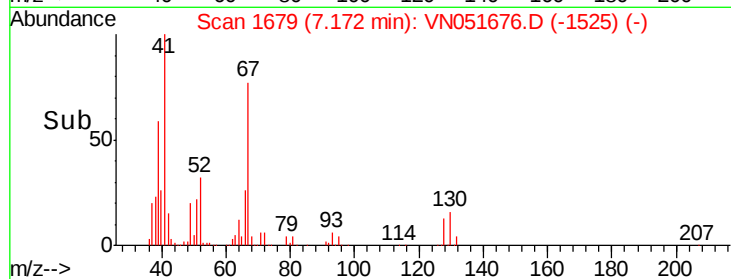
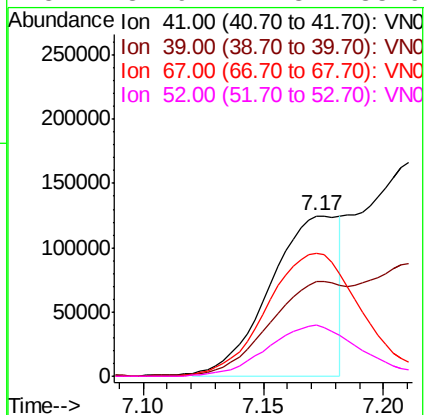
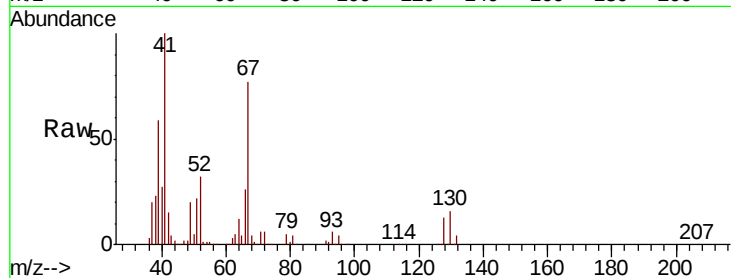
#35
Methacrylonitrile
Concen: 64.644 ug/l m
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN051676.D
Acq: 5 Oct 2018 10:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	58.9	22.6	67.7
67	76.9	28.9	86.8
52	31.9	11.3	33.9

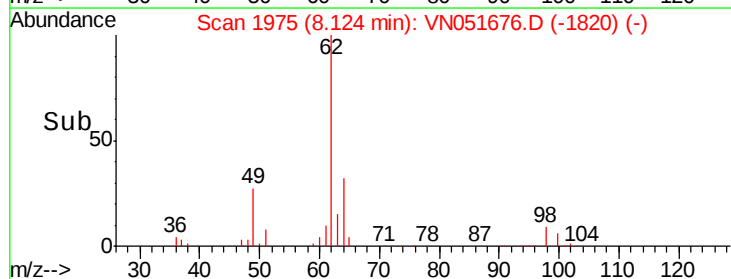
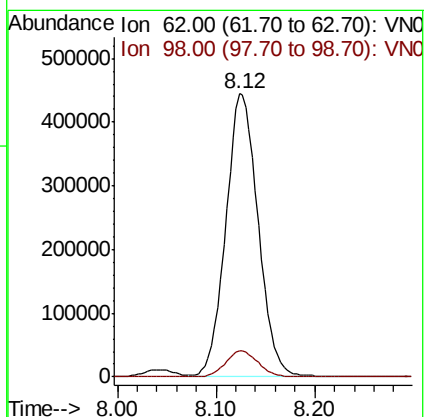
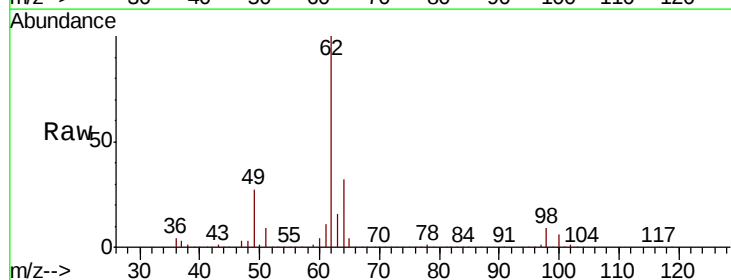
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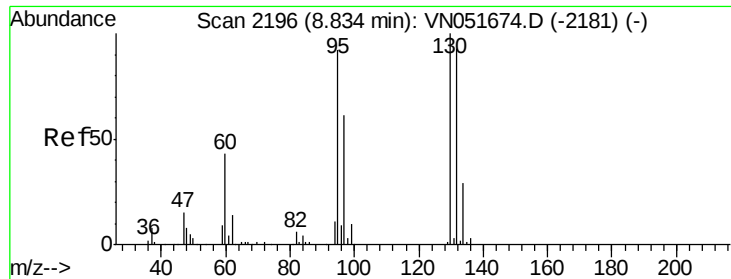
MMDadoda
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#36
1,2-Dichloroethane
Concen: 87.203 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN051676.D
Acq: 5 Oct 2018 10:25

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	6.9	10.3





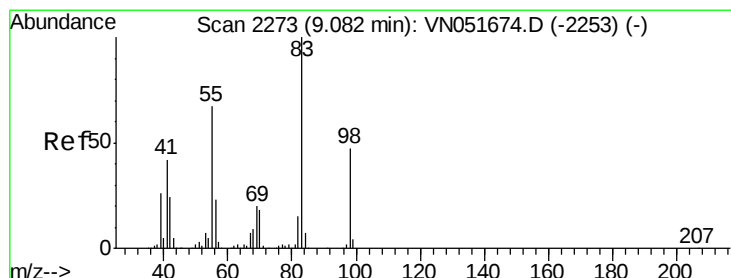
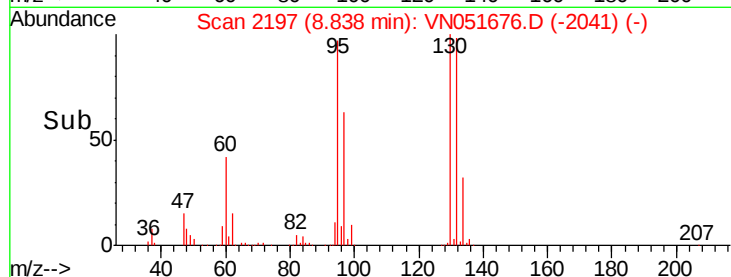
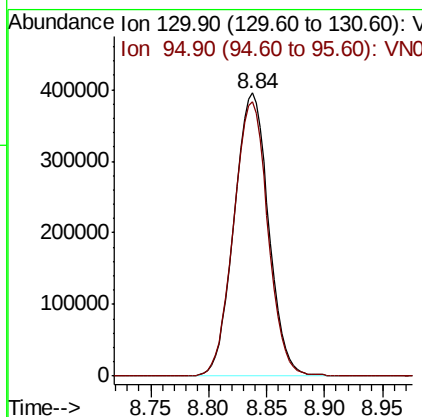
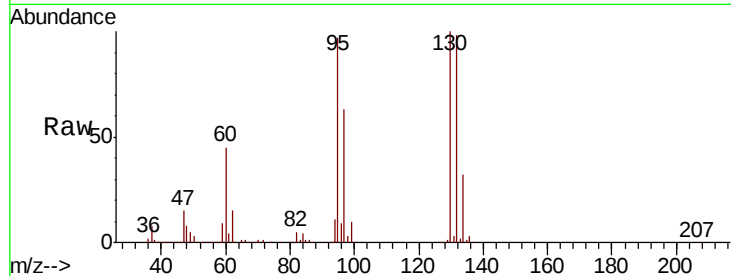
#37
 Trichloroethene
 Concen: 85.677 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN051676.D
 Acq: 5 Oct 2018 10:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:130 Resp: 815106
 Ion Ratio Lower Upper
 130 100
 95 96.9 76.4 114.6

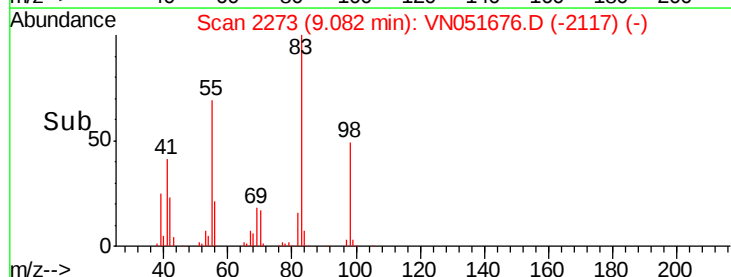
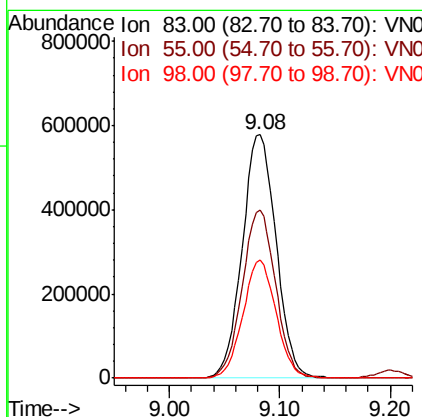
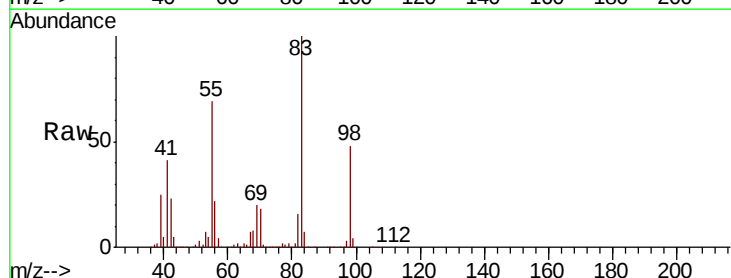
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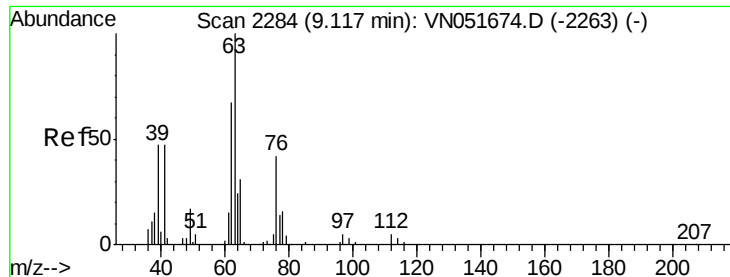
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#38
 Methylcyclohexane
 Concen: 88.797 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN051676.D
 Acq: 5 Oct 2018 10:25

Tgt Ion: 83 Resp: 1231422
 Ion Ratio Lower Upper
 83 100
 55 67.5 43.0 129.2
 98 47.5 21.3 63.7





#39

1,2-Dichloropropane

Concen: 73.770 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051676.D

Acq: 5 Oct 2018 10:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 723483

Ion Ratio Lower Upper

63 100

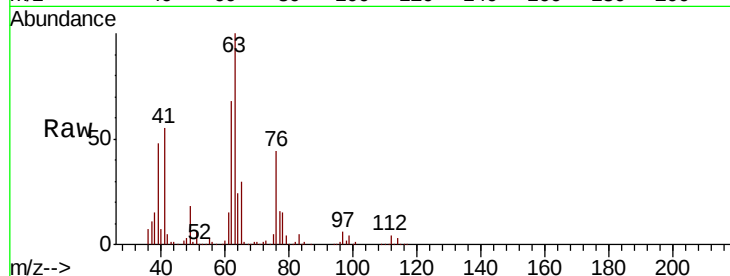
65 30.1 23.2 34.8

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Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0

9.12

400000

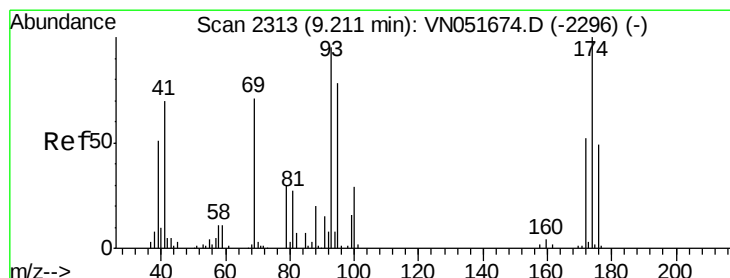
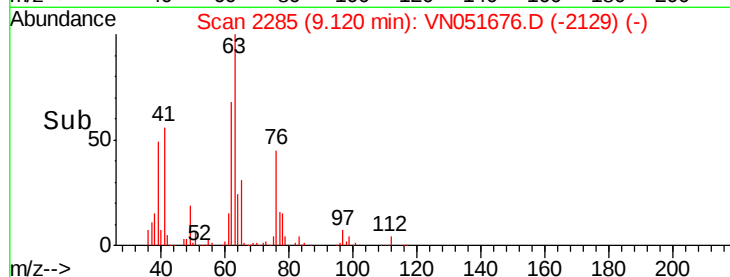
300000

200000

100000

0

Time-->



#40

Dibromomethane

Concen: 91.059 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN051676.D

Acq: 5 Oct 2018 10:25

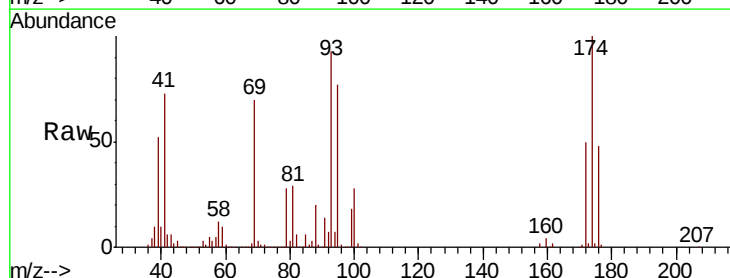
Tgt Ion: 93 Resp: 508205

Ion Ratio Lower Upper

93 100

95 82.3 0.0 162.0

174 106.4 0.0 214.0



Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V

9.21

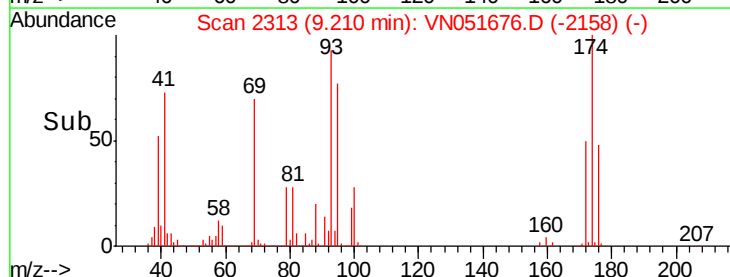
300000

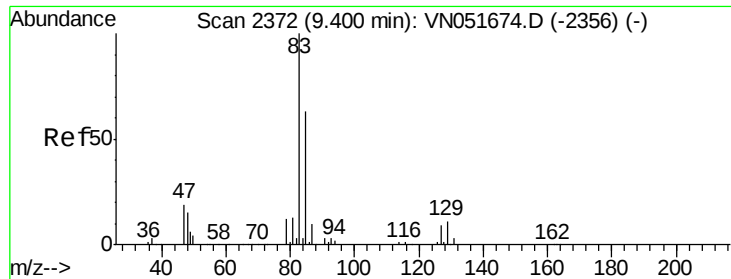
200000

100000

0

Time-->





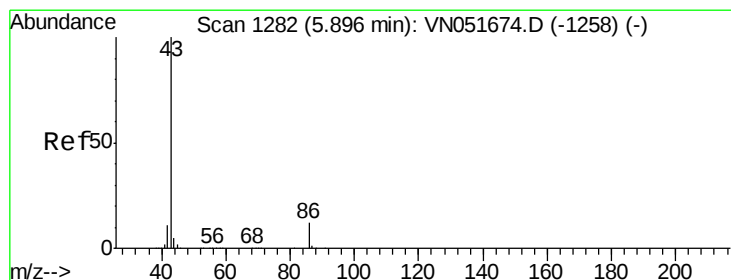
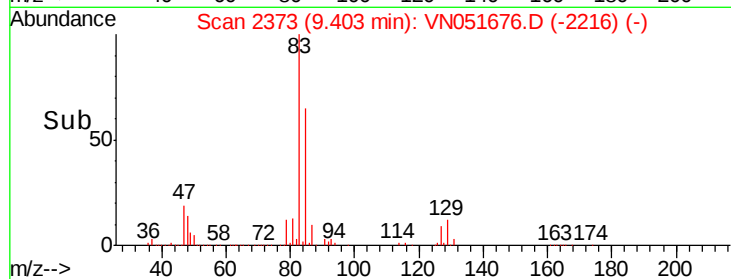
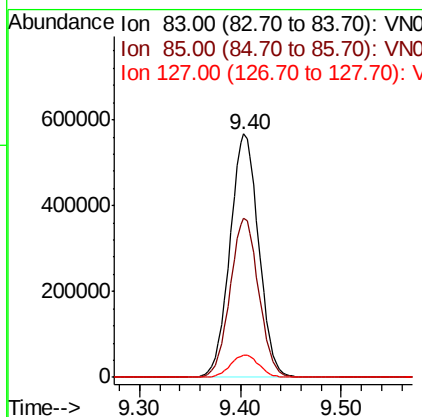
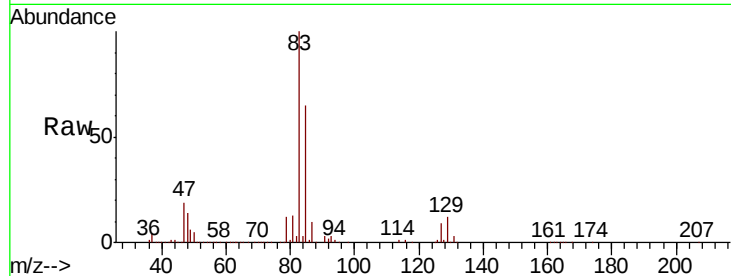
#41
Bromodichloromethane
Concen: 91.501 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN051676.D
Acq: 5 Oct 2018 10:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	83	85	127
83.00	100	65.1	9.2
82.70 to 83.70		55.7	8.2
84.70 to 85.70			
126.70 to 127.70			

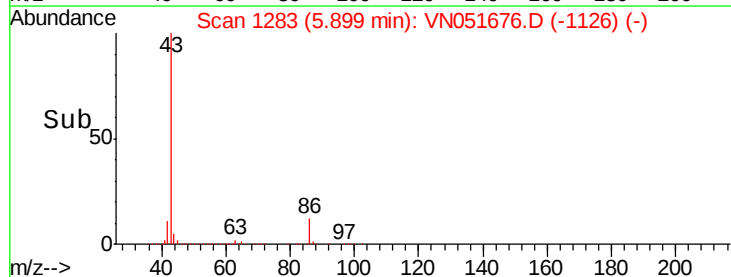
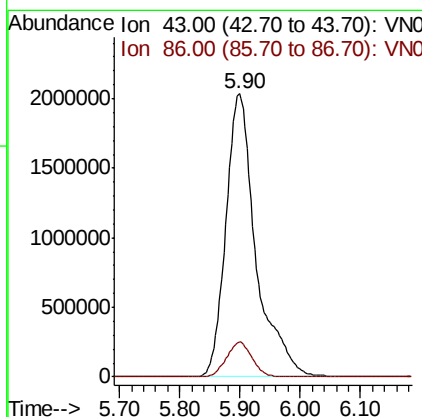
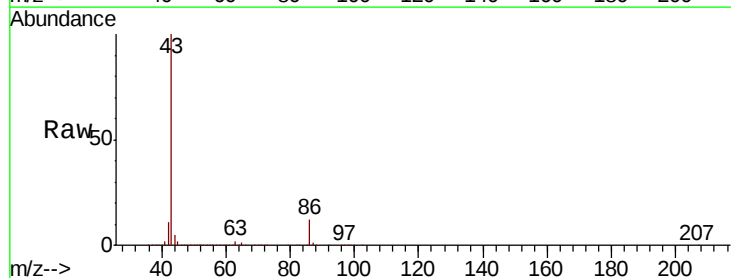
Manual Integrations
APPROVED

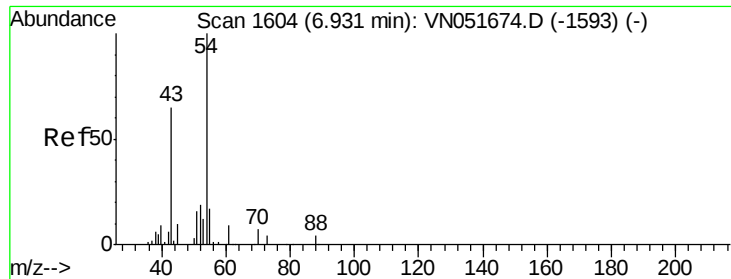
MMDadoda
10/8/2018 3:58:48 PM



#42
Vinyl Acetate
Concen: 408.790 ug/l
RT: 5.90 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VN051676.D
Acq: 5 Oct 2018 10:25

Tgt Ion	43	86
43.00	100	10.5
42.70 to 43.70		6.5
85.70 to 86.70		





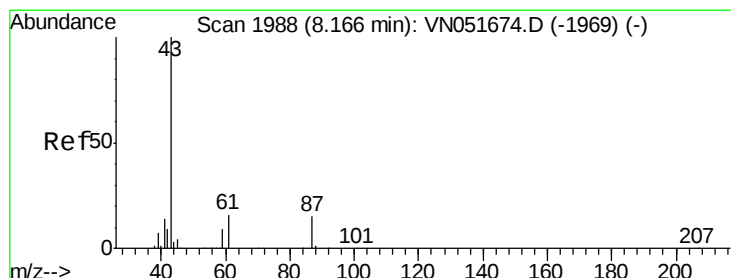
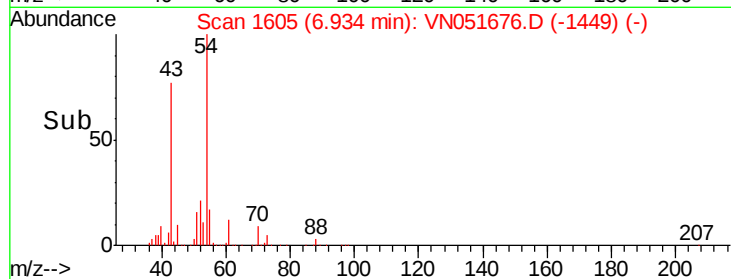
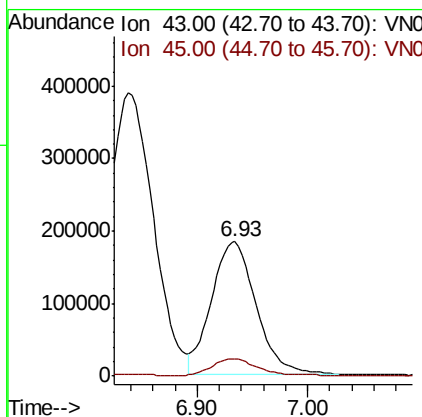
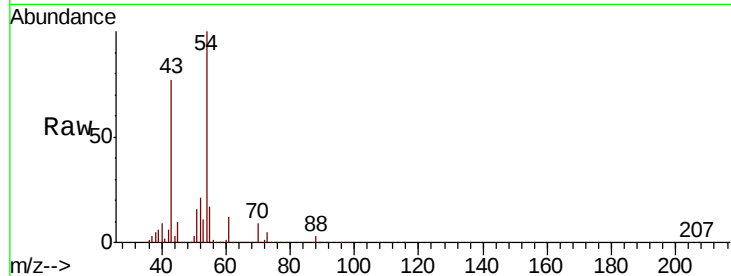
#43
Ethyl Acetate
Concen: 79.169 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051676.D
Acq: 5 Oct 2018 10:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 513171
Ion Ratio Lower Upper
43 100
45 14.1 11.0 16.6

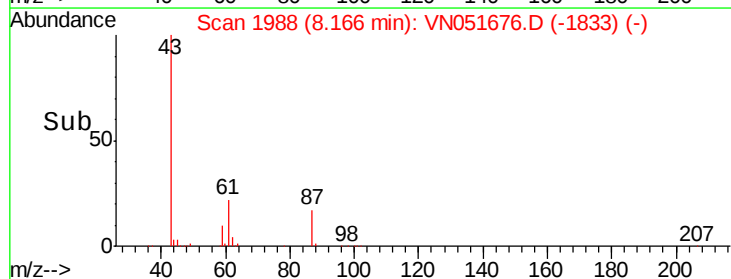
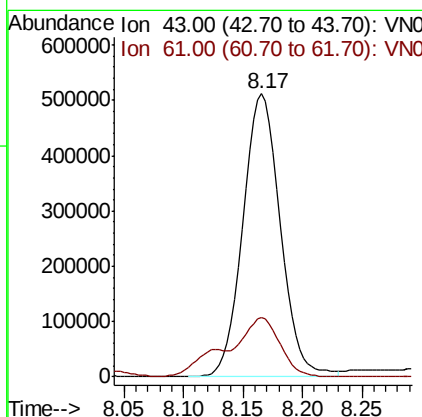
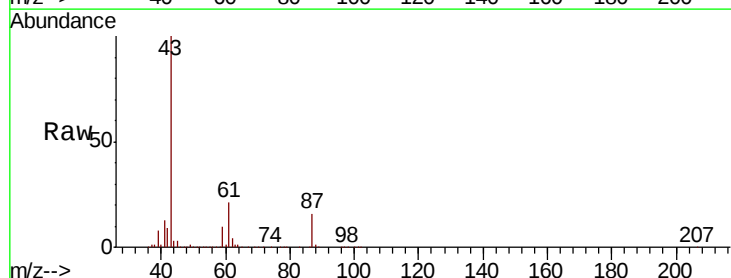
Manual Integrations
APPROVED

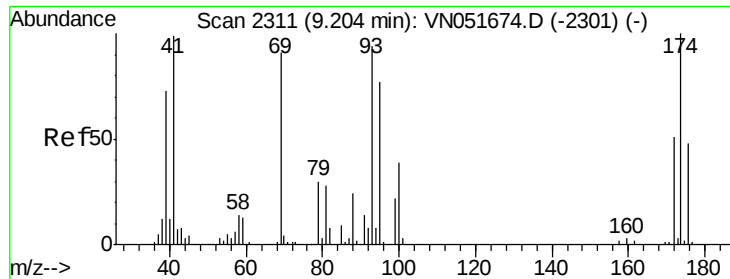
MMDadoda
10/8/2018 3:58:48 PM



#44
Isopropyl Acetate
Concen: 89.707 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN051676.D
Acq: 5 Oct 2018 10:25

Tgt Ion: 43 Resp: 1113900
Ion Ratio Lower Upper
43 100
61 19.9 15.9 23.9





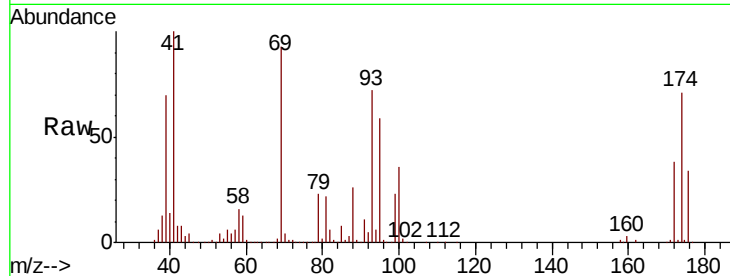
#45
1,4-Dioxane
Concen: 1921.844 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051676.D
Acq: 5 Oct 2018 10:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

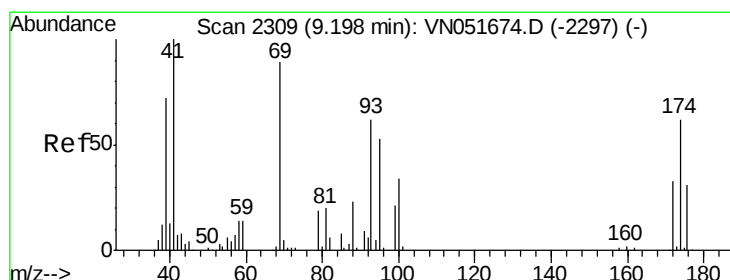
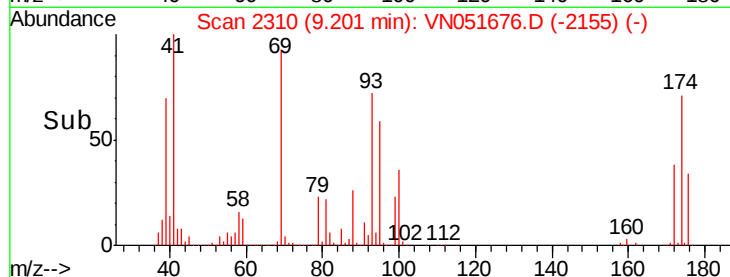
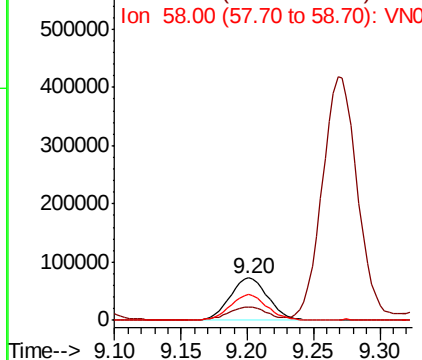
Tot Ion	Ratio	Lower	Upper
88	100		
43	30.5	26.2	39.2
58	59.8	65.6	98.4#

Manual Integrations
APPROVED

MMDadoda
10/8/2018 3:58:48 PM



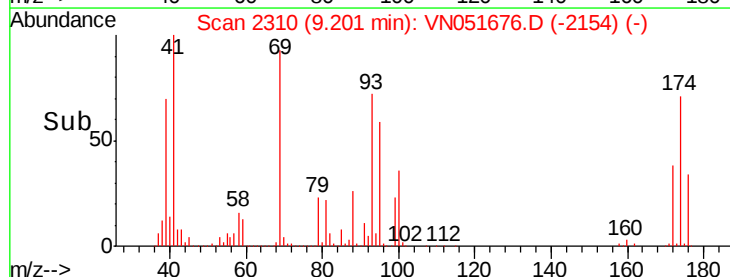
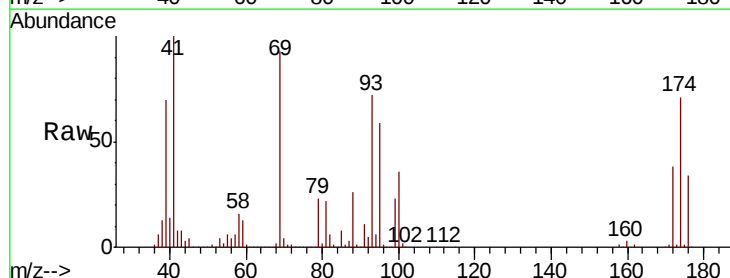
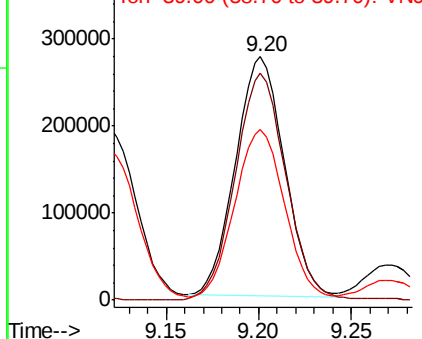
Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

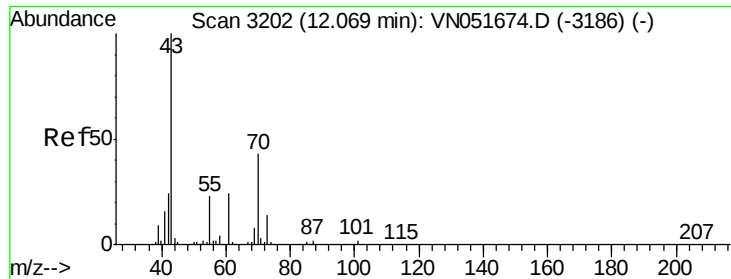


#46
Methyl methacrylate
Concen: 81.887 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051676.D
Acq: 5 Oct 2018 10:25

Tgt Ion	Ratio	Lower	Upper
41	100		
69	94.5	40.7	122.1
39	69.8	27.3	81.9

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





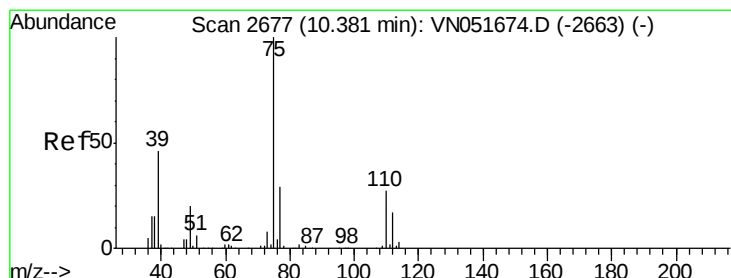
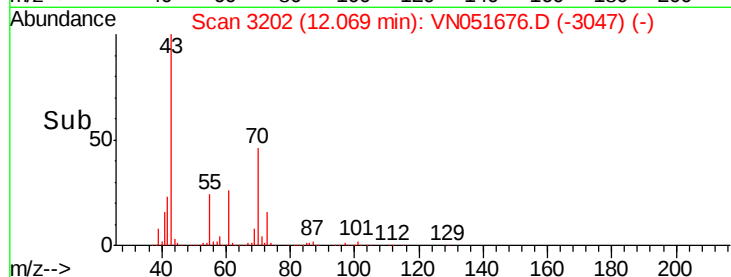
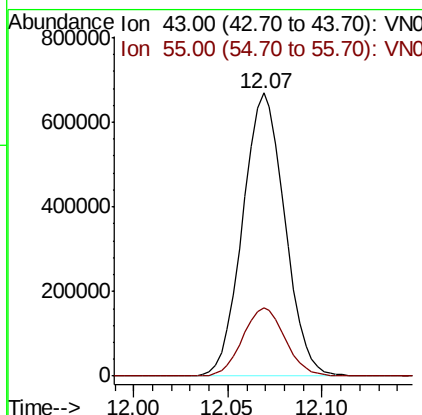
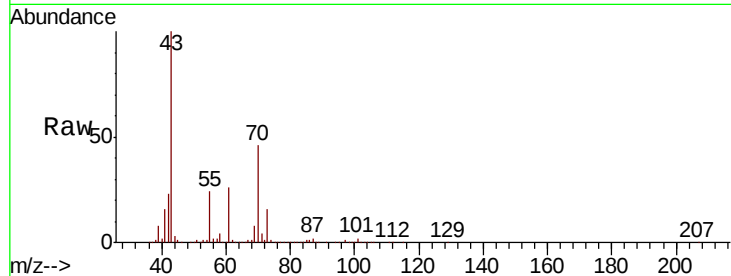
#47
n-amvl Acetate
Concen: 105.231 ug/l m
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN051676.D
Acq: 5 Oct 2018 10:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1038162
Ion Ratio Lower Upper
43 100
55 0.0 12.2 18.4#

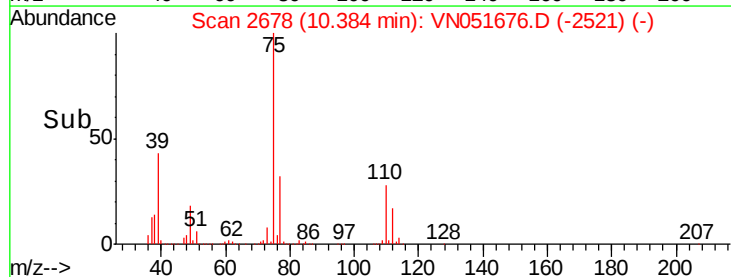
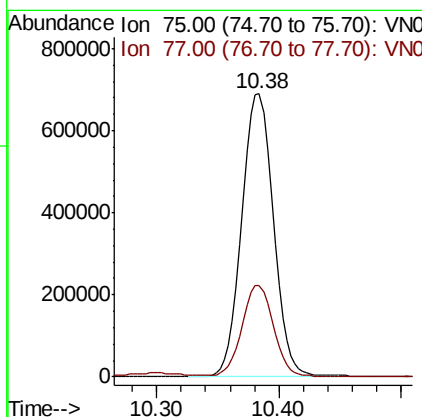
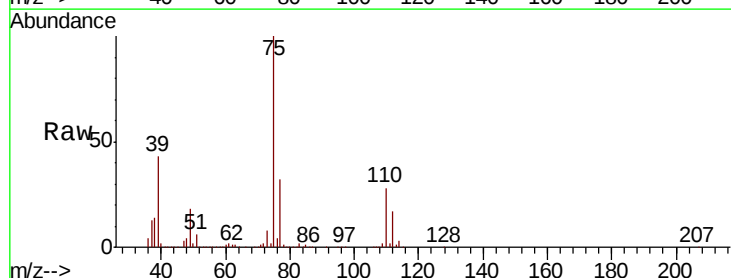
Manual Integrations
APPROVED

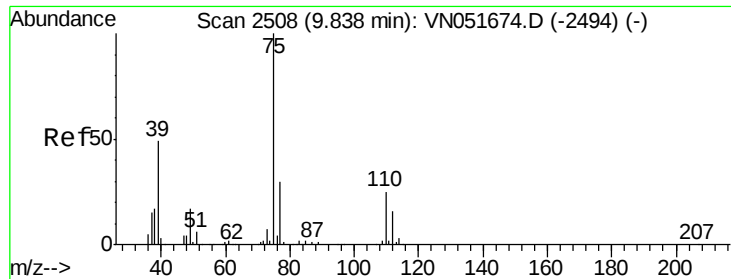
MMDadoda
10/8/2018 3:58:48 PM



#48
t-1,3-Dichloropropene
Concen: 102.656 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN051676.D
Acq: 5 Oct 2018 10:25

Tgt Ion: 75 Resp: 1236727
Ion Ratio Lower Upper
75 100
77 31.9 24.6 37.0





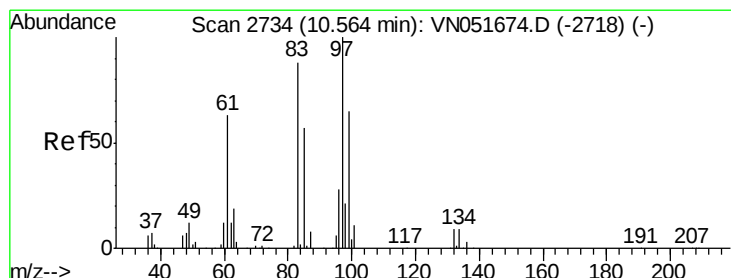
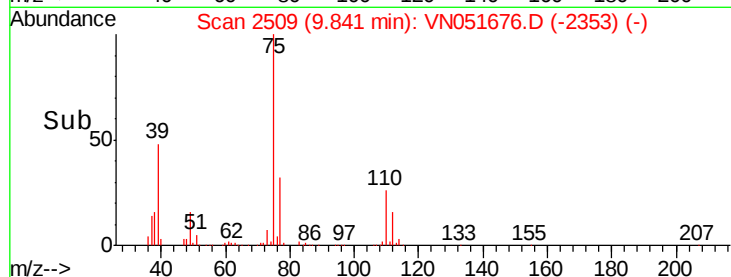
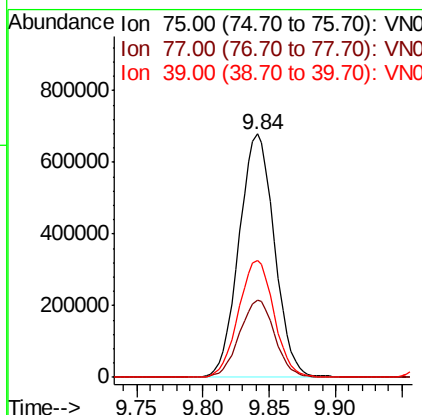
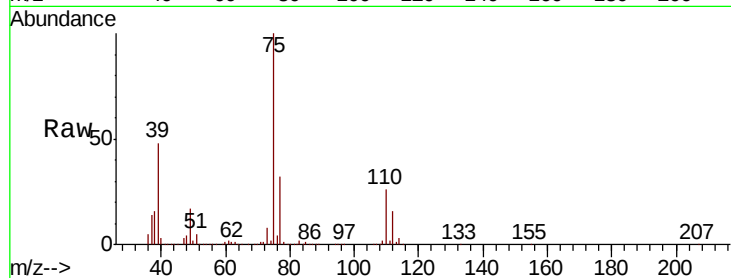
#49
 cis-1,3-Dichloropropene
 Concen: 89.531 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN051676.D
 Acq: 5 Oct 2018 10:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	23.2	34.8
39	48.1	34.6	52.0

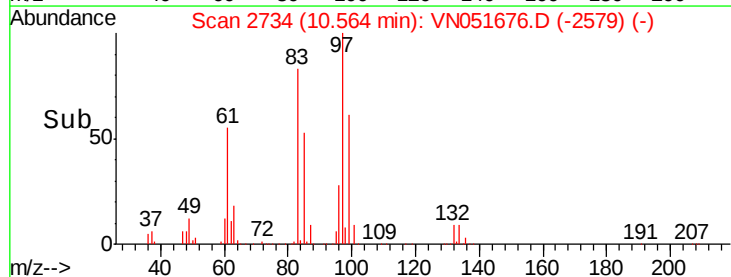
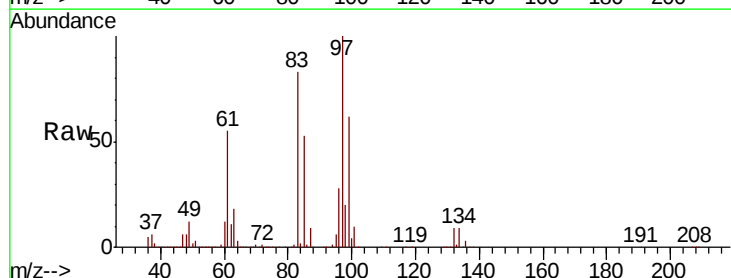
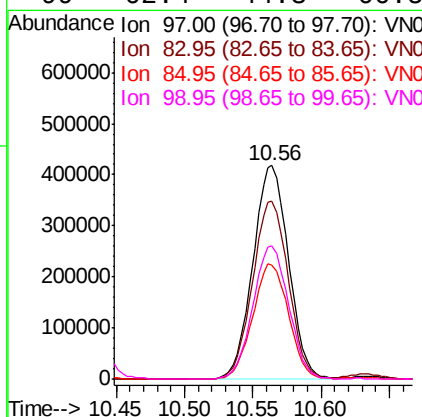
Manual Integrations
 APPROVED

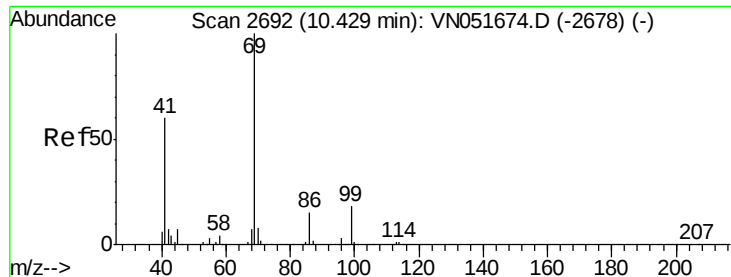
MMDadoda
 10/8/2018 3:58:48 PM



#50
 1,1,2-Trichloroethane
 Concen: 95.127 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN051676.D
 Acq: 5 Oct 2018 10:25

Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.0	68.2	102.4
85	53.5	42.5	63.7
99	62.4	44.3	66.5





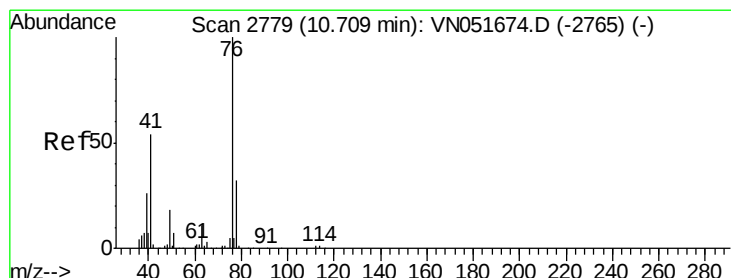
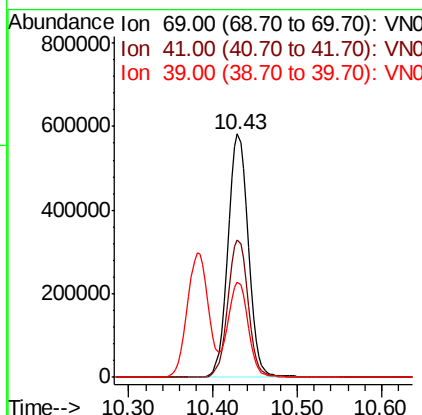
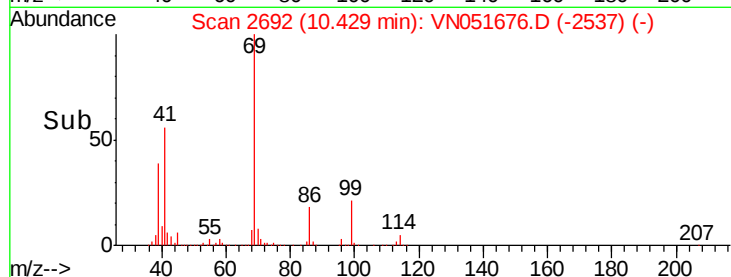
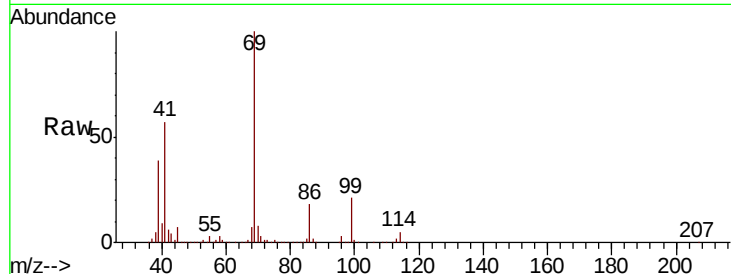
#51
Ethyl methacrylate
Concen: 105.159 ug/l
RT: 10.43 min Scan# 2692
Delta R.T. -0.00 min
Lab File: VN051676.D
Acq: 5 Oct 2018 10:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
69	100		
41	56.4	34.4	103.1
39	38.9	16.3	48.8

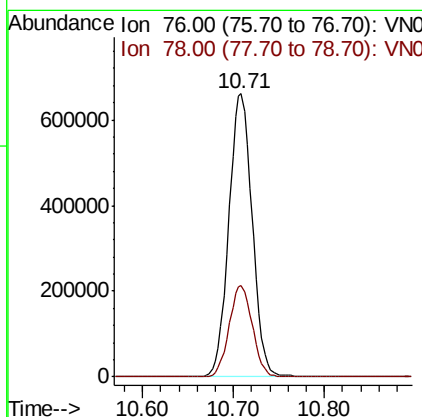
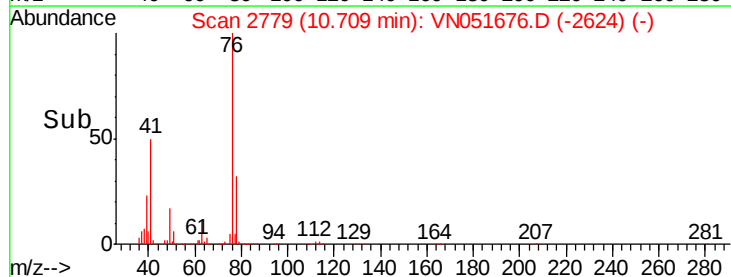
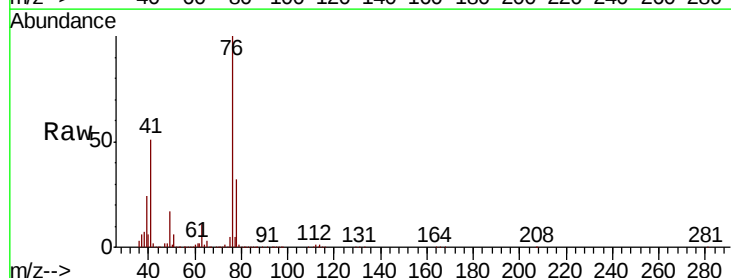
Manual Integrations
APPROVED

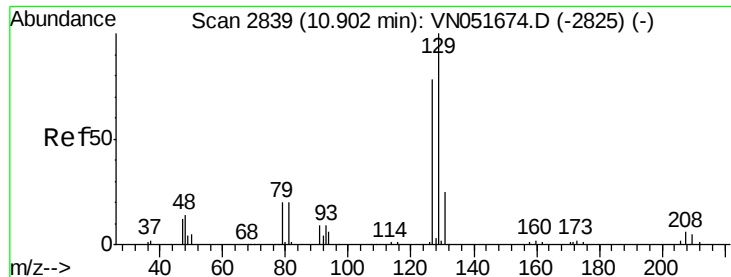
MMDadoda
10/8/2018 3:58:48 PM



#52
1,3-Dichloropropane
Concen: 87.870 ug/l
RT: 10.71 min Scan# 2779
Delta R.T. -0.00 min
Lab File: VN051676.D
Acq: 5 Oct 2018 10:25

Tgt Ion	Ratio	Lower	Upper
76	100		
78	32.1	0.0	67.6





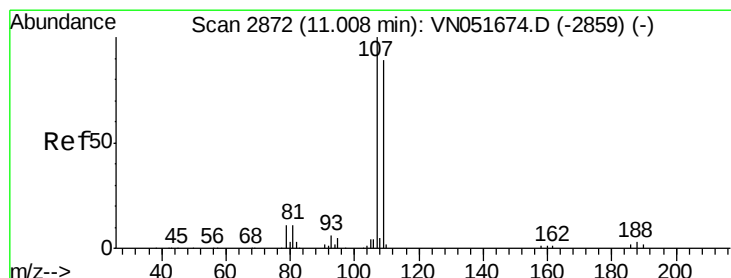
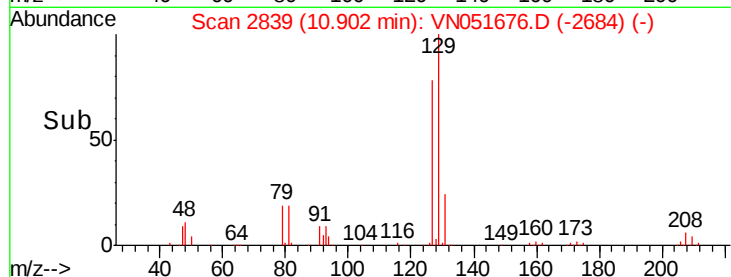
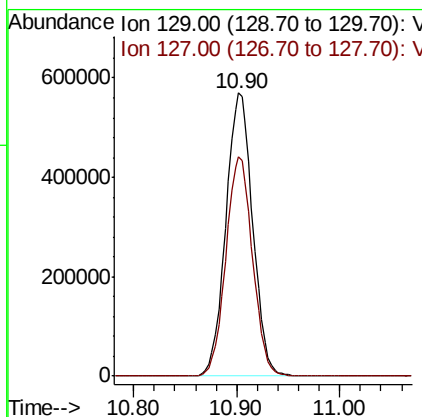
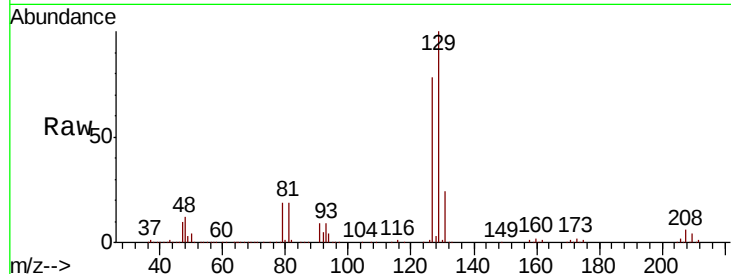
#53
 Dibromochloromethane
 Concen: 112.776 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. -0.00 min
 Lab File: VN051676.D
 Acq: 5 Oct 2018 10:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:129 Resp: 1032149
 Ion Ratio Lower Upper
 129 100
 127 77.2 40.2 120.5

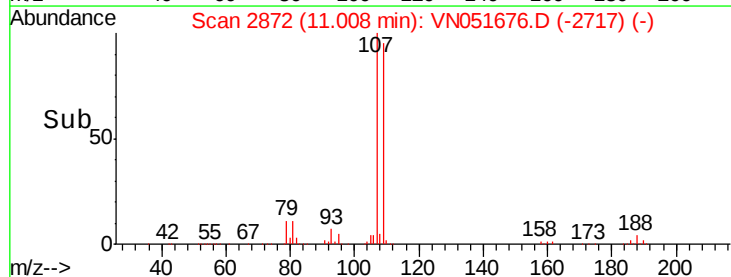
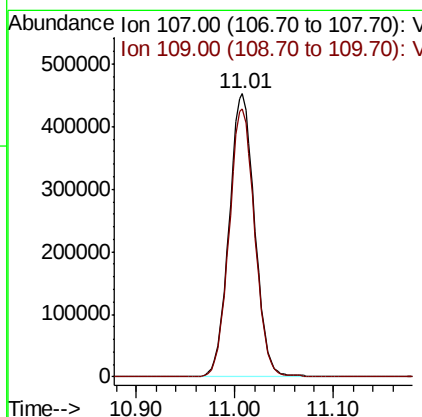
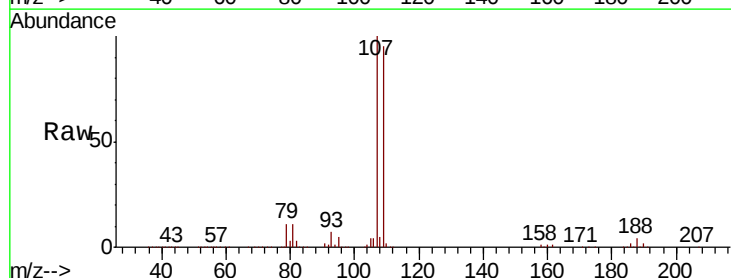
Manual Integrations
 APPROVED

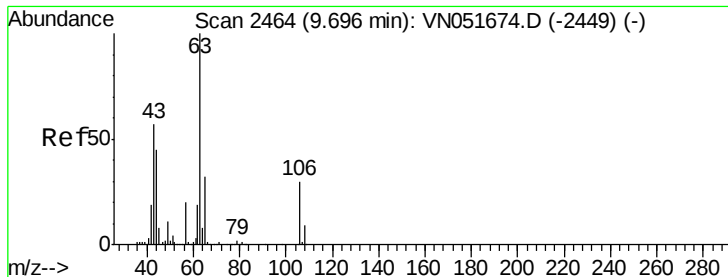
MMDadoda
 10/8/2018 3:58:48 PM



#54
 1,2-Dibromoethane
 Concen: 107.263 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN051676.D
 Acq: 5 Oct 2018 10:25

Tgt Ion:107 Resp: 819626
 Ion Ratio Lower Upper
 107 100
 109 94.8 77.4 116.0





#55

2-Chloroethyl vinyl ether

Concen: 415.782 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN051676.D

Acq: 5 Oct 2018 10:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 1931915

Ion Ratio Lower Upper

63 100

65 32.5 25.4 38.0

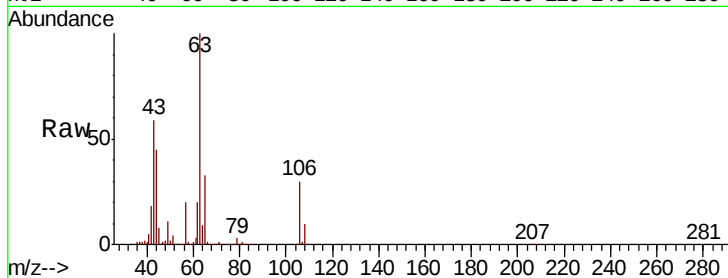
106 30.7 21.2 31.8

Manual Integrations

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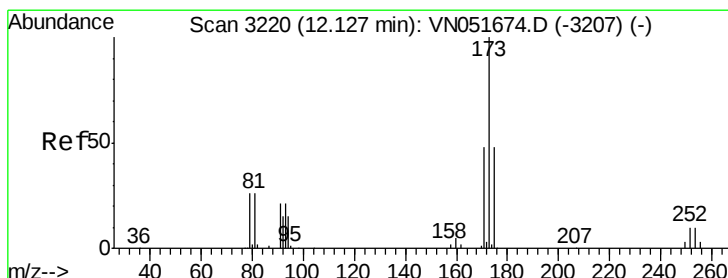
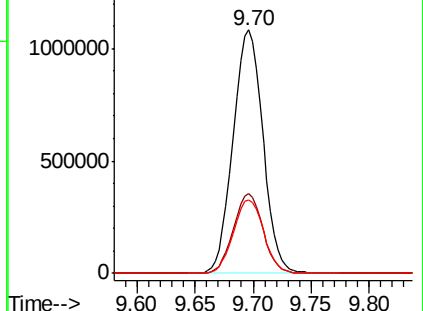
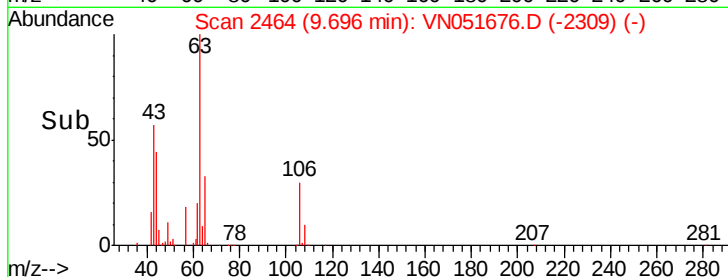
10/8/2018 3:58:48 PM



Abundance Ion 63.00 (62.70 to 63.70): VN051676.D (-2309) (-)

Ion 65.00 (64.70 to 65.70): VN051676.D (-2309) (-)

Ion 106.00 (105.70 to 106.70): VN051676.D (-2309) (-)



#56

Bromoform

Concen: 128.079 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN051676.D

Acq: 5 Oct 2018 10:25

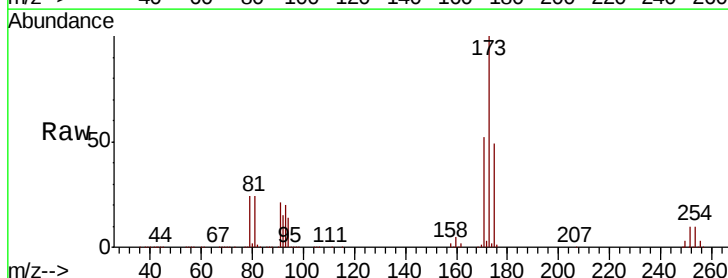
Tgt Ion: 173 Resp: 785520

Ion Ratio Lower Upper

173 100

175 49.2 35.8 53.8

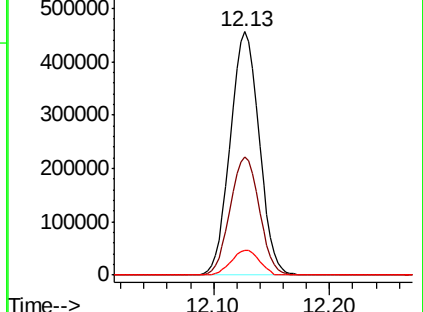
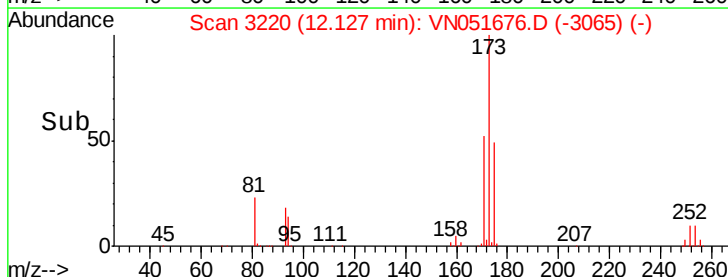
254 9.9 8.6 13.0

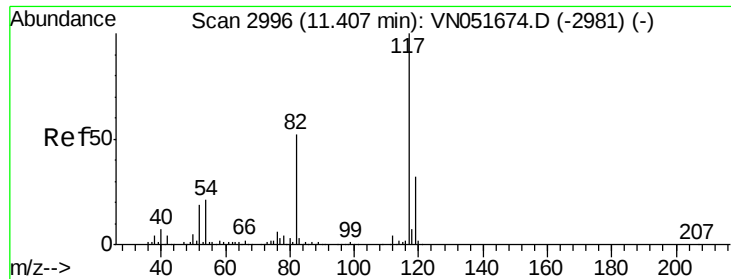


Abundance Ion 173.00 (172.70 to 173.70): VN051676.D (-3065) (-)

Ion 175.00 (174.70 to 175.70): VN051676.D (-3065) (-)

Ion 254.00 (253.70 to 254.70): VN051676.D (-3065) (-)





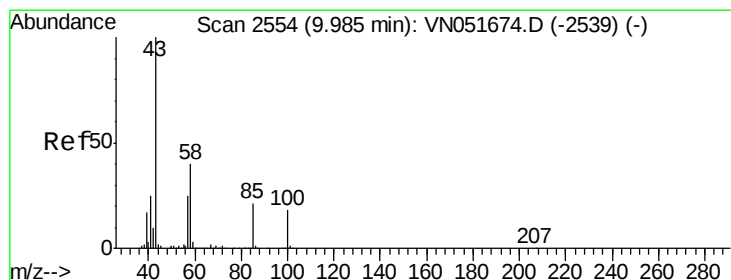
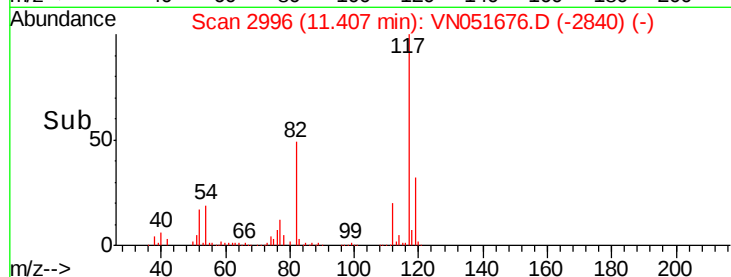
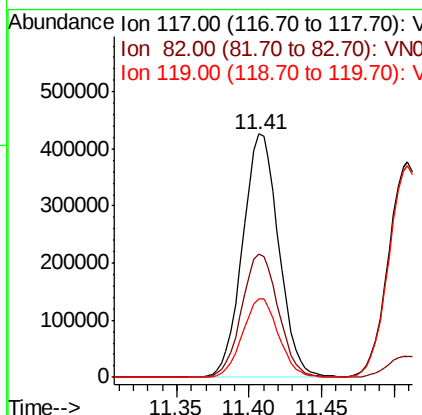
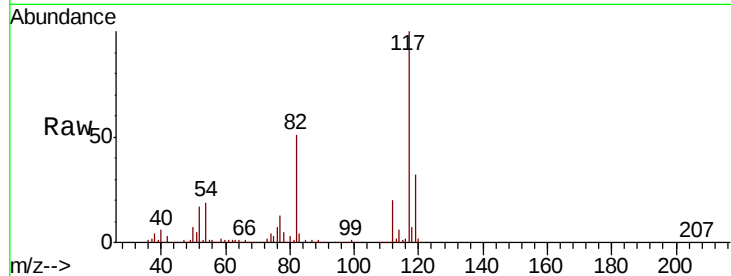
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051676.D
Acq: 5 Oct 2018 10:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.4	44.1	66.1
119	32.1	25.8	38.8

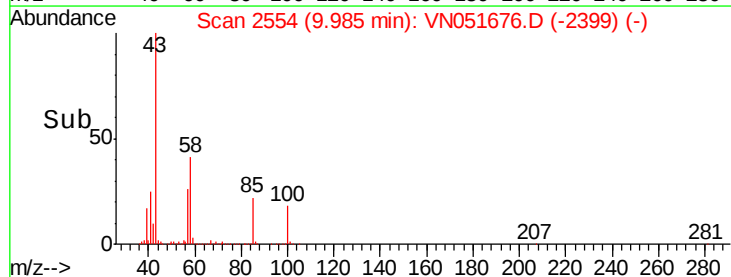
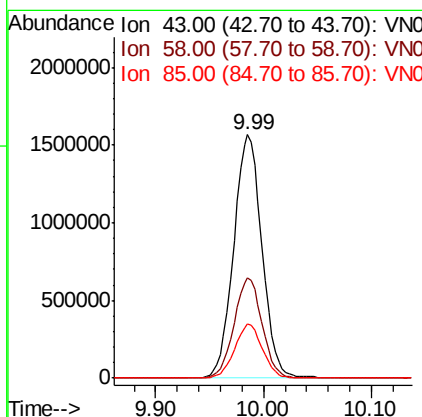
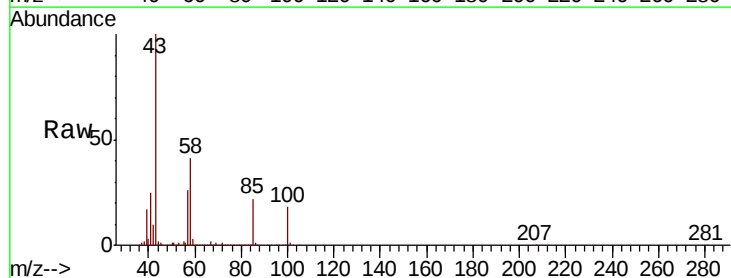
Manual Integrations
APPROVED

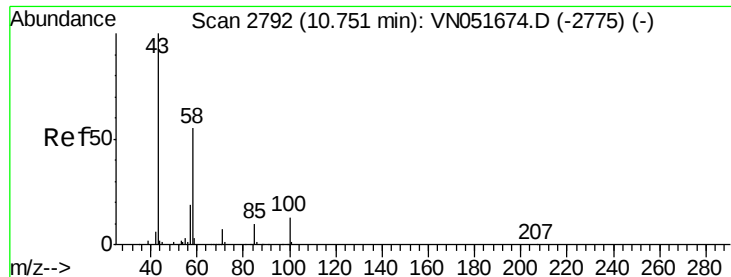
MMDadoda
10/8/2018 3:58:48 PM



#58
4-Methyl-2-Pentanone
Concen: 372.611 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN051676.D
Acq: 5 Oct 2018 10:25

Tgt Ion	Ratio	Lower	Upper
43	100		
58	41.0	29.3	43.9
85	21.9	12.6	18.8#





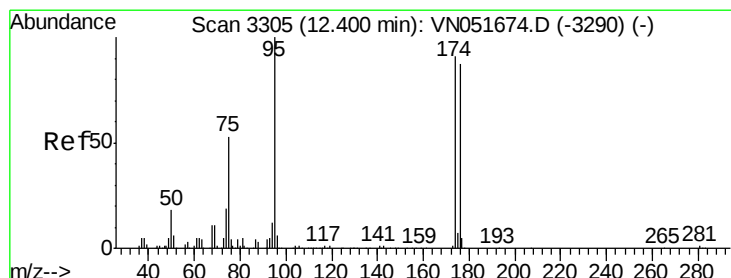
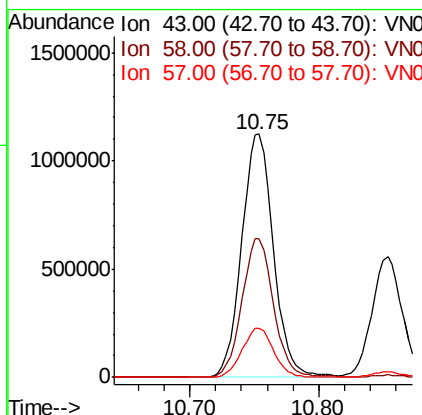
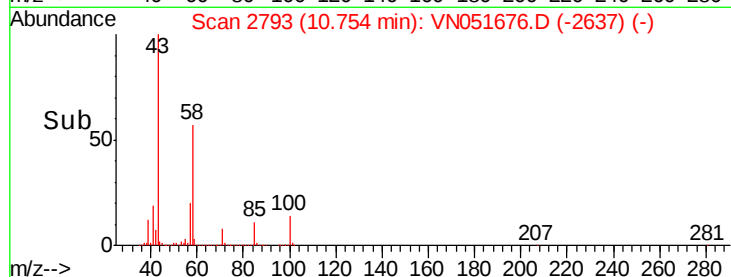
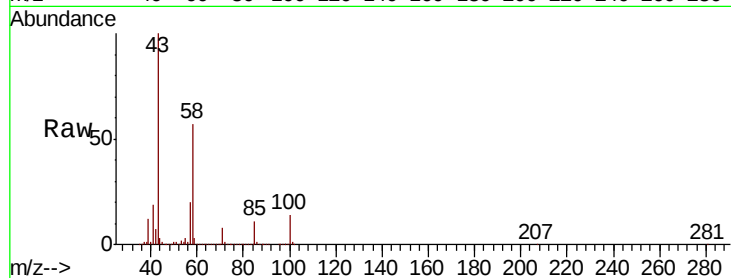
#59
2-Hexanone
Concen: 385.358 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051676.D
Acq: 5 Oct 2018 10:25

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.9	41.3	61.9
57	20.2	13.4	20.0

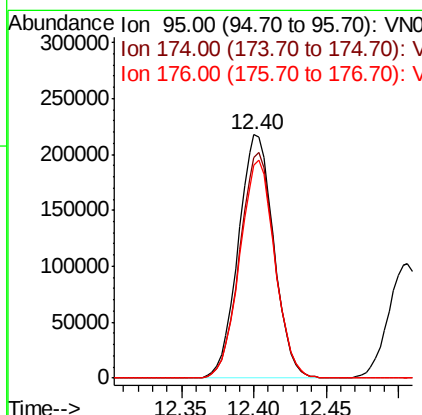
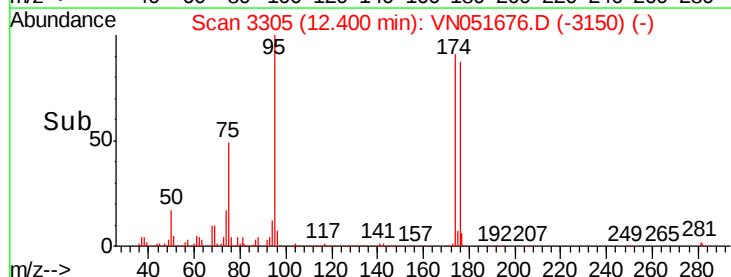
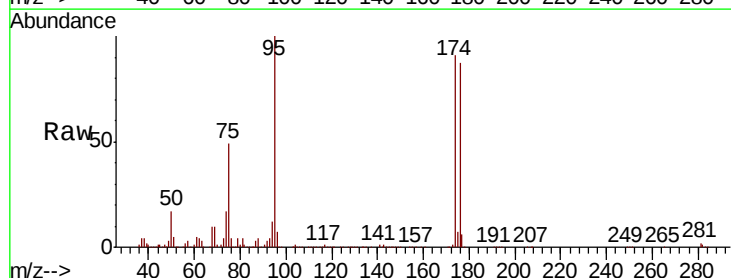
Manual Integrations
APPROVED

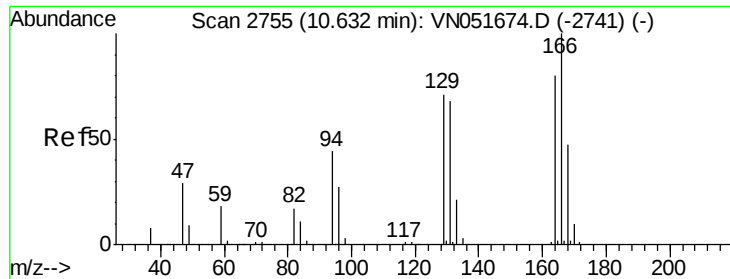
MMDadoda
10/8/2018 3:58:48 PM



#60
4-Bromofluorobenzene
Concen: 385.358 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN051676.D
Acq: 5 Oct 2018 10:25

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.9	73.5	110.3
176	89.2	70.2	105.2





#61

Tetrachloroethene

Concen: 81.396 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN051676.D

Acq: 5 Oct 2018 10:25

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion:164 Resp: 826885

Ion Ratio Lower Upper

164 100

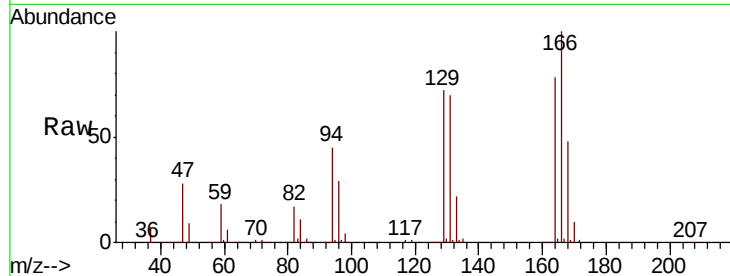
166 128.8 98.7 148.1

129 92.9 69.6 104.4

131 89.8 72.4 108.6

Manual Integrations
APPROVED

MMDadoda
10/8/2018 3:58:48 PM

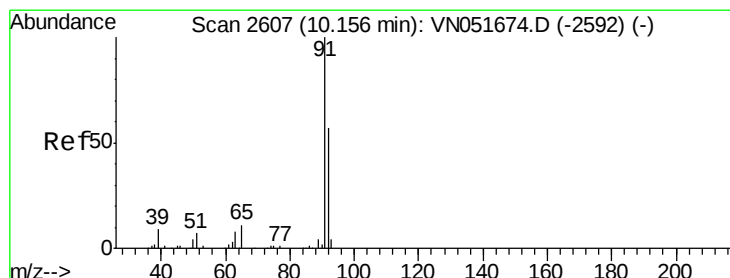
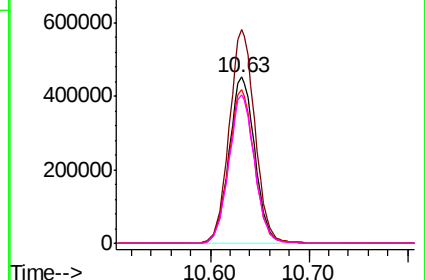
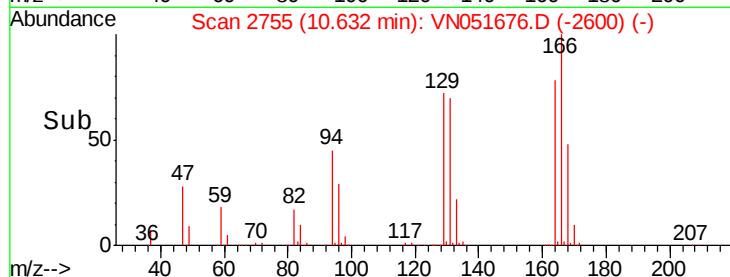


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 84.329 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051676.D

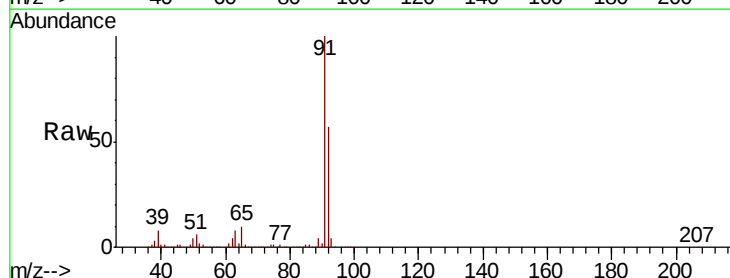
Acq: 5 Oct 2018 10:25

Tgt Ion: 91 Resp: 3772075

Ion Ratio Lower Upper

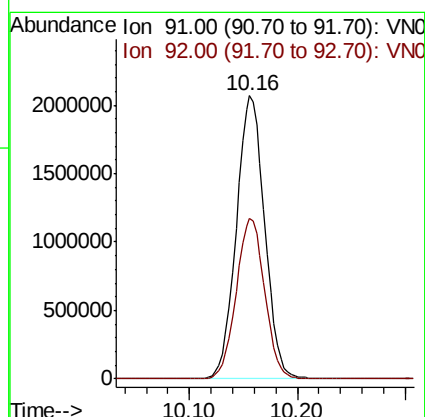
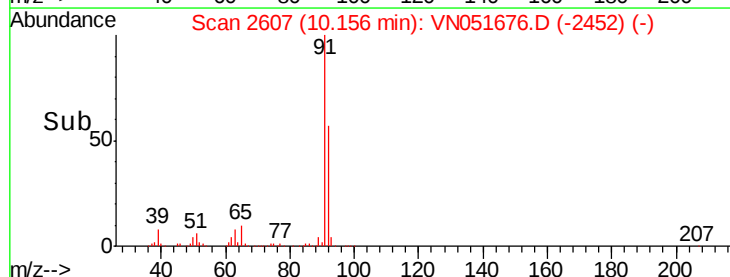
91 100

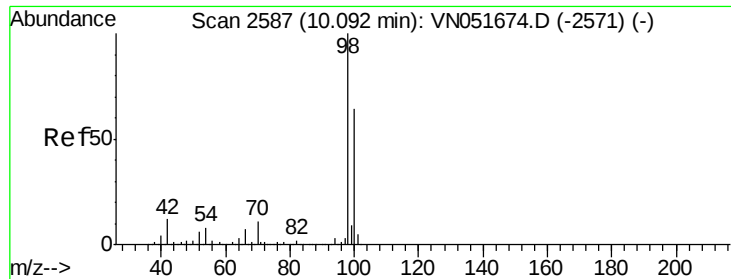
92 57.1 44.6 66.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 84.329 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051676.D

Acq: 5 Oct 2018 10:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 98 Resp: 953802

Ion Ratio Lower Upper

98 100

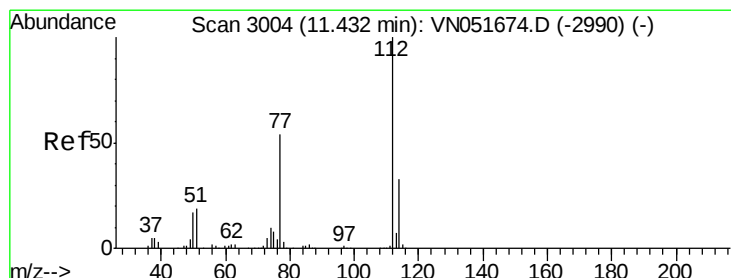
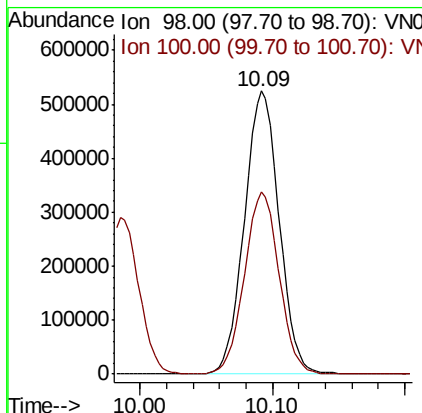
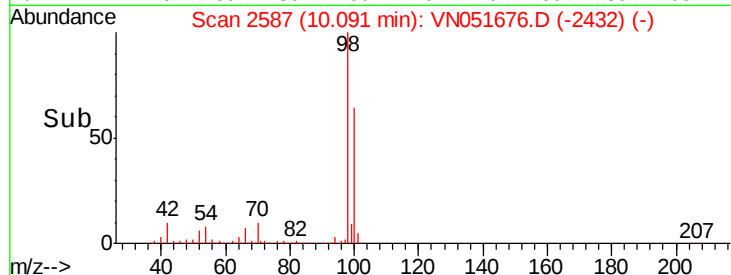
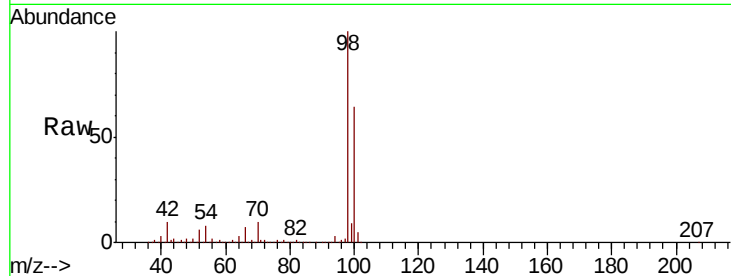
100 64.5 50.8 76.2

Manual Integrations

APPROVED

MMDadoda

10/8/2018 3:58:48 PM



#64

Chlorobenzene

Concen: 90.163 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN051676.D

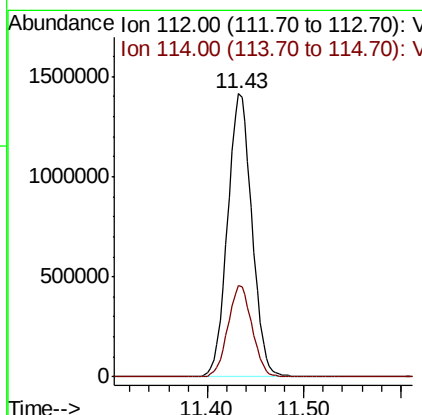
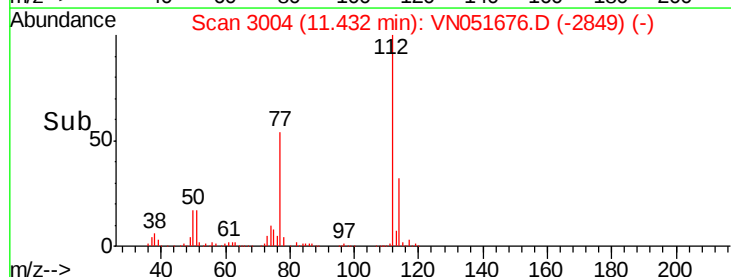
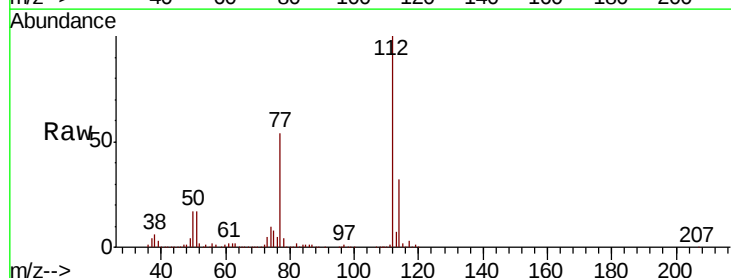
Acq: 5 Oct 2018 10:25

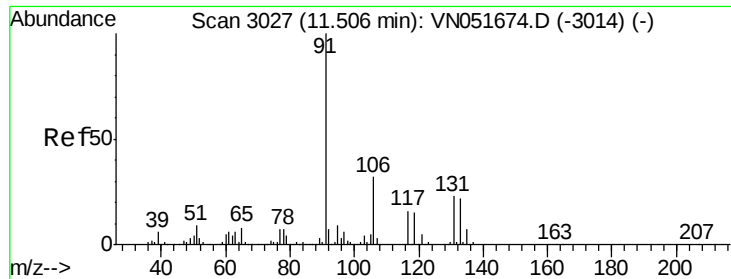
Tgt Ion: 112 Resp: 2468088

Ion Ratio Lower Upper

112 100

114 32.1 27.5 41.3





#65

1,1,1,2-Tetrachloroethane

Concen: 95.870 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051676.D

Acq: 5 Oct 2018 10:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:131 Resp: 1016109

Ion Ratio Lower Upper

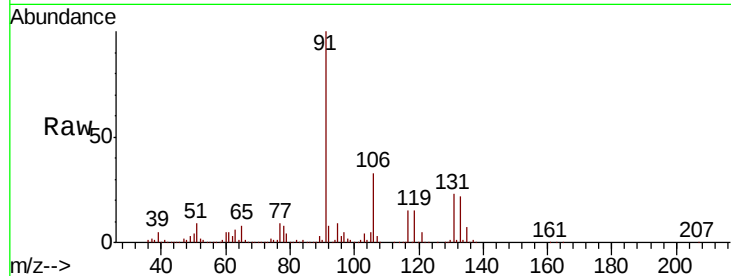
131 100

133 94.8 0.0 190.4

119 64.6 0.0 128.0

Manual Integrations
APPROVED

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10/8/2018 3:58:48 PM

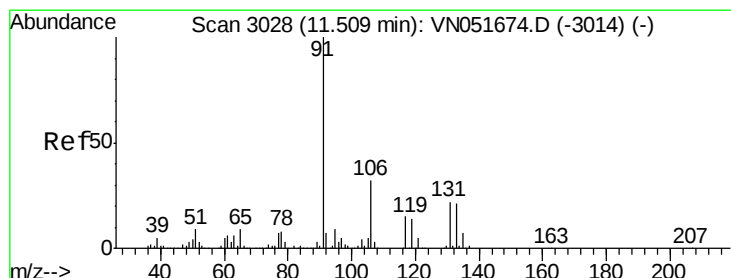
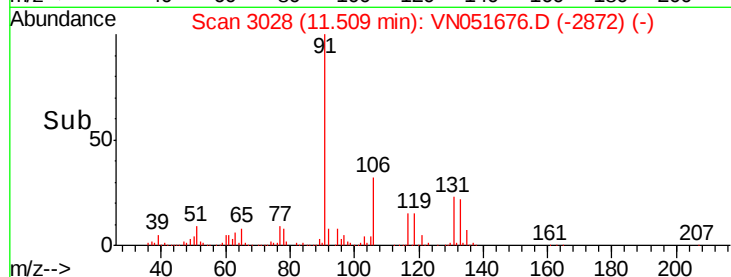
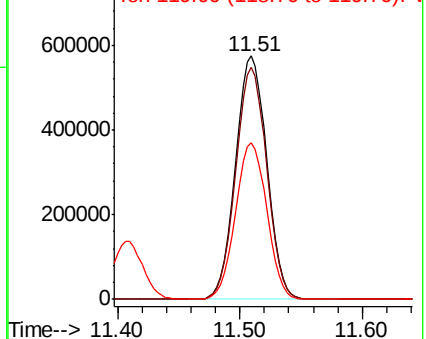


Abundance

Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 93.984 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN051676.D

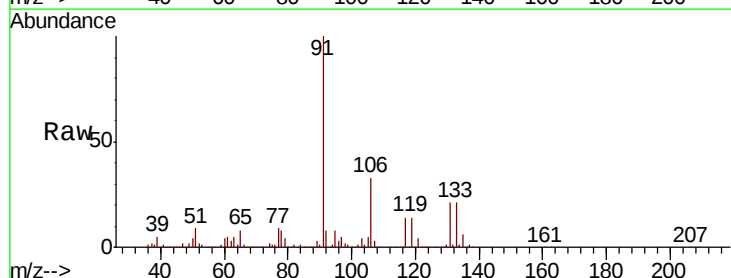
Acq: 5 Oct 2018 10:25

Tgt Ion: 91 Resp: 4320053

Ion Ratio Lower Upper

91 100

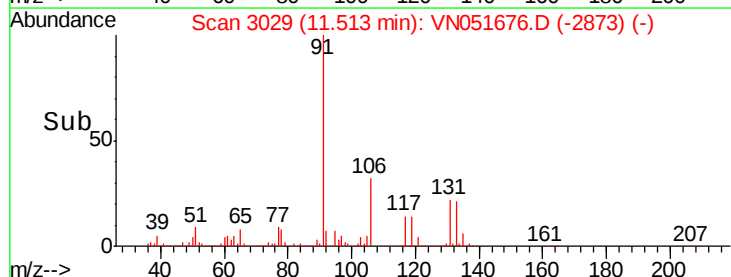
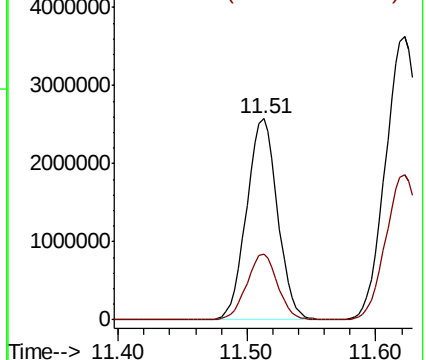
106 32.9 25.9 38.9

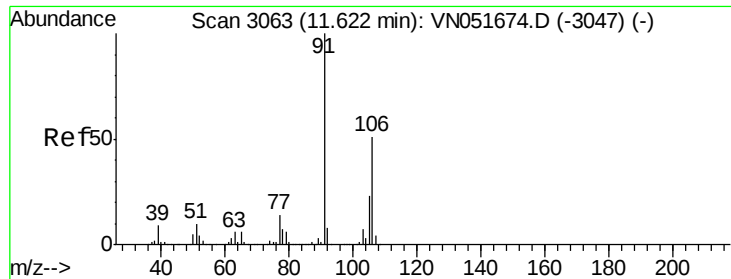


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





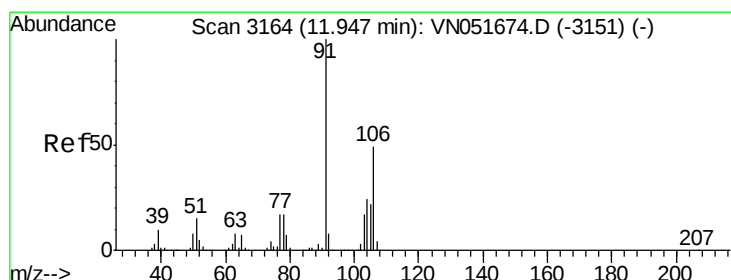
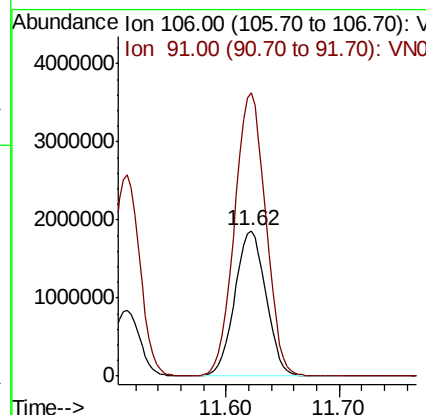
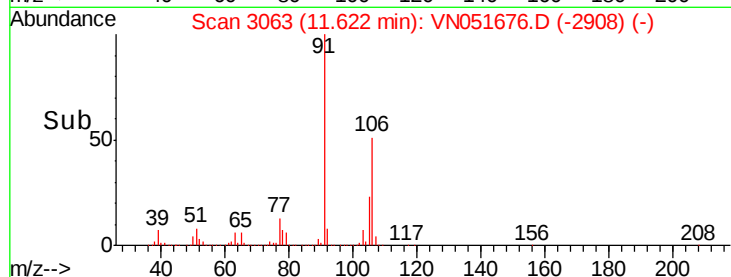
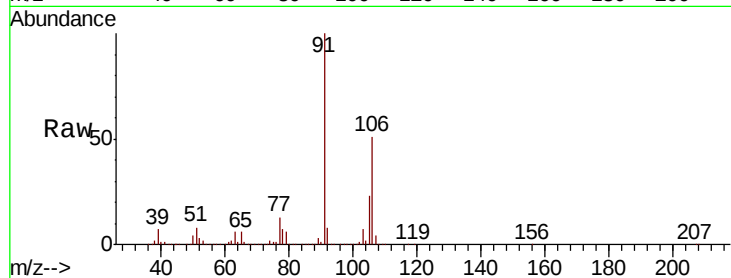
#67
m/p-Xylenes
Concen: 199.132 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051676.D
Acq: 5 Oct 2018 10:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 3558696
Ion Ratio Lower Upper
106 100
91 195.6 158.8 238.2

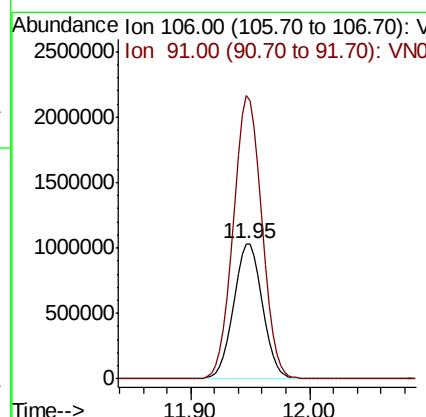
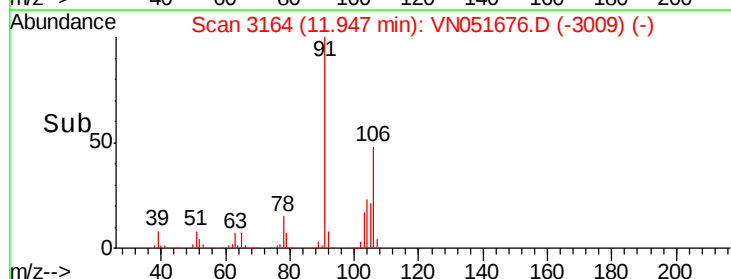
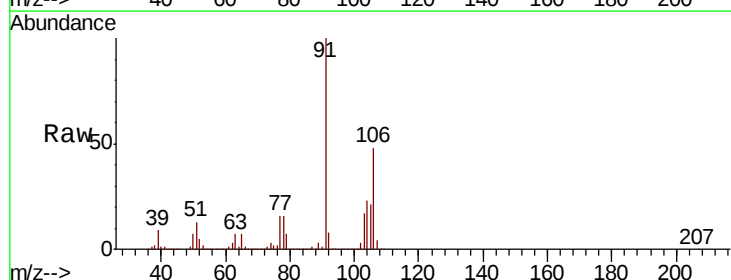
Manual Integrations
APPROVED

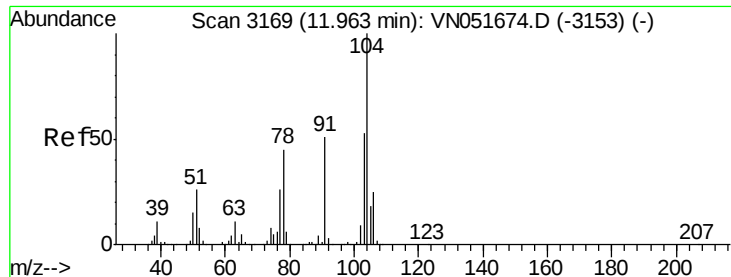
MMDadoda
10/8/2018 3:58:48 PM



#68
o-Xylene
Concen: 102.202 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051676.D
Acq: 5 Oct 2018 10:25

Tgt Ion:106 Resp: 1735741
Ion Ratio Lower Upper
106 100
91 207.2 111.1 333.3





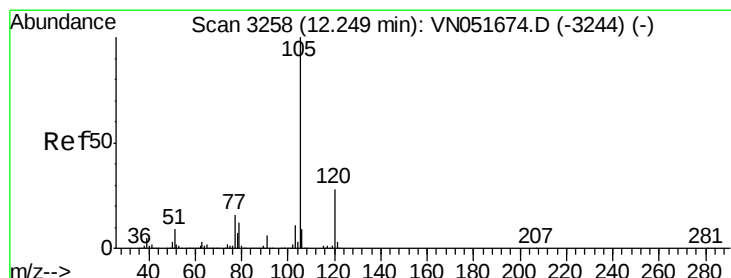
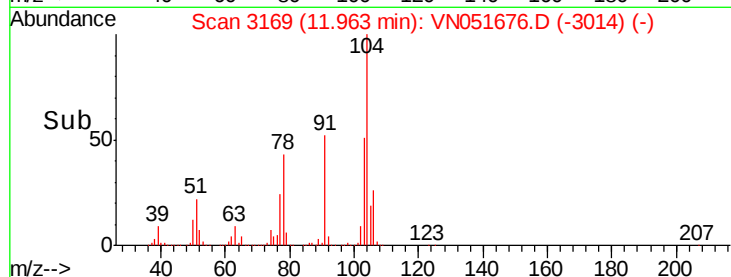
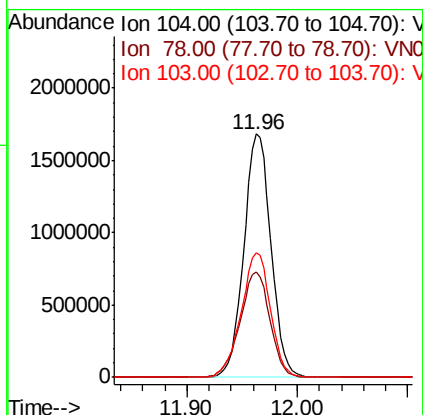
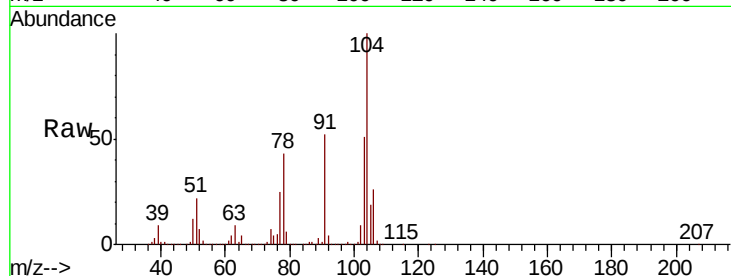
#69
Stvrene
Concen: 106.202 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051676.D
Acq: 5 Oct 2018 10:25

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
104	100			
78	47.7	40.6	60.8	
103	55.4	44.0	66.0	

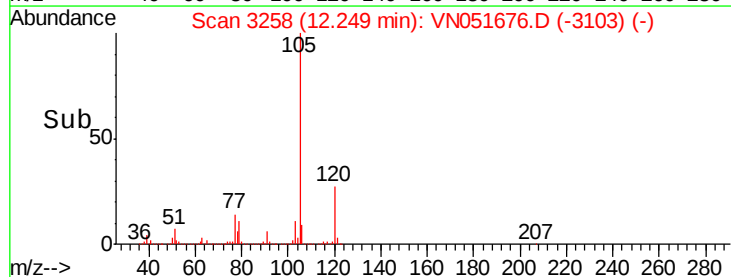
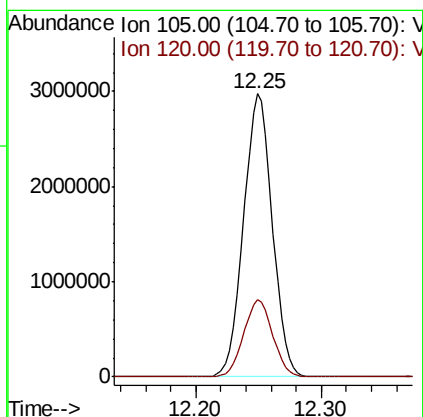
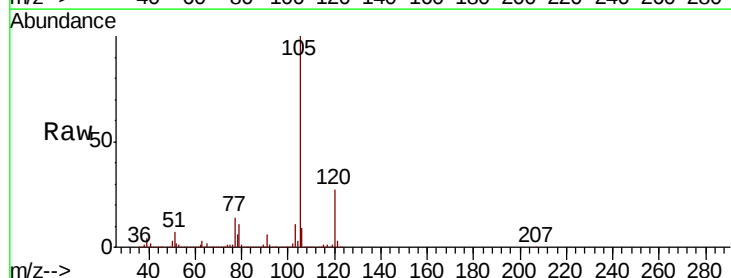
Manual Integrations
APPROVED

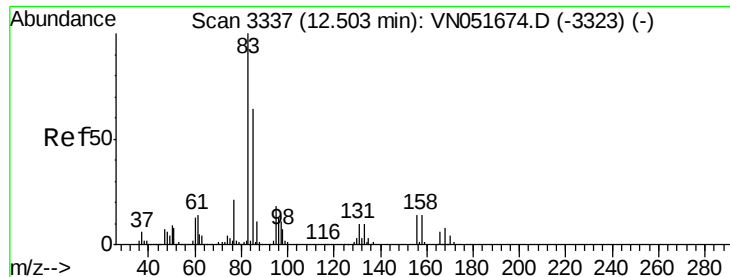
MMDadoda
10/8/2018 3:58:48 PM



#70
Isopropylbenzene
Concen: 103.905 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN051676.D
Acq: 5 Oct 2018 10:25

Tgt Ion	Ion	Ratio	Lower	Upper
105	100			
120	27.5	19.0	35.4	





#71

1,1,2,2-Tetrachloroethane

Concen: 92.154 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051676.D

Acq: 5 Oct 2018 10:25

Instrument :

MSVOA_N

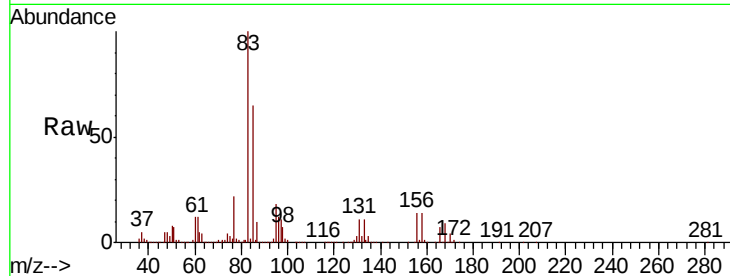
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	972857
Ion Ratio	Lower	Upper	
83	100		
131	12.0	5.5	16.4
85	65.1	30.6	91.8

Manual Integrations
APPROVED

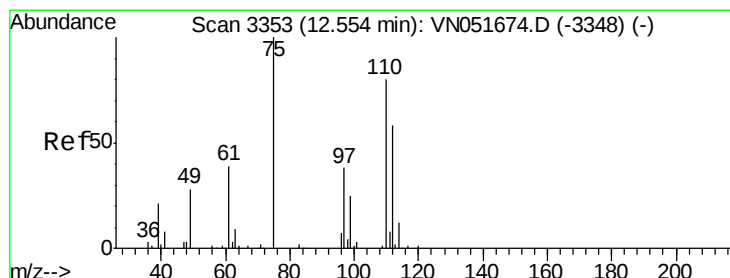
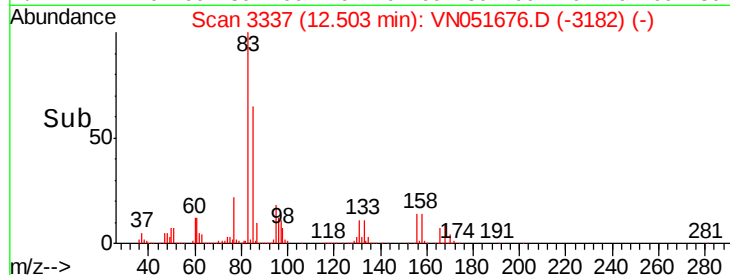
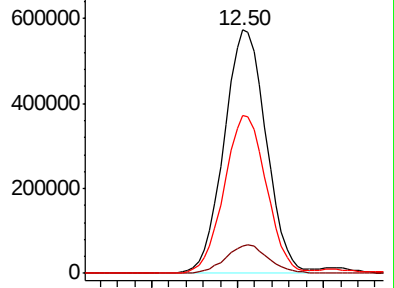
MMDadoda
10/8/2018 3:58:48 PM



Abundance Ion 83.00 (82.70 to 83.70): VN051676.D (-3323) (-)

Ion 131.00 (130.70 to 131.70): VN051676.D (-3323) (-)

Ion 85.00 (84.70 to 85.70): VN051676.D (-3323) (-)



#72

1,2,3-Trichloropropane

Concen: 82.549 ug/l m

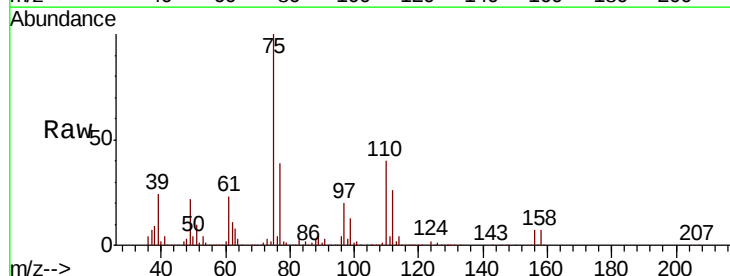
RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN051676.D

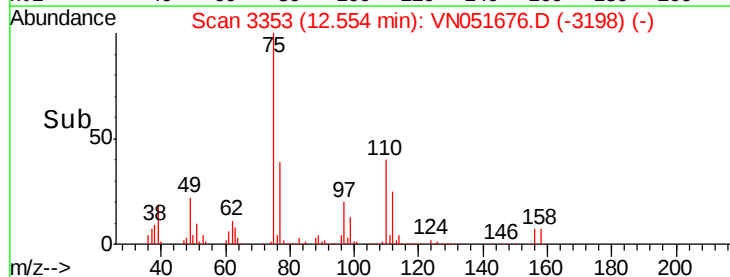
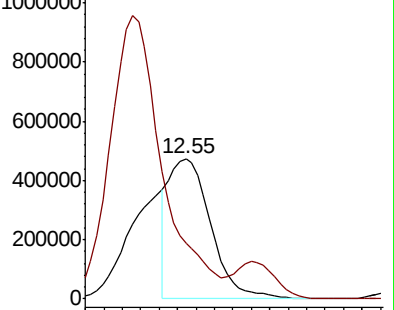
Acq: 5 Oct 2018 10:25

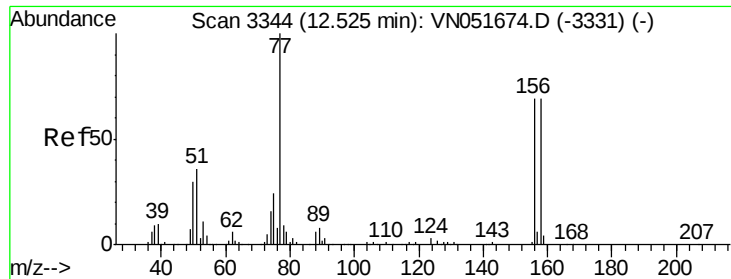
Tgt Ion:	75	Resp:	754728
Ion Ratio	Lower	Upper	
75	100		
77	250.4	0.0	400.0



Abundance Ion 75.00 (74.70 to 75.70): VN051676.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN051676.D (-3348) (-)





#73

Bromobenzene

Concen: 103.998 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051676.D

Acq: 5 Oct 2018 10:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:156 Resp: 1181997

Ion Ratio Lower Upper

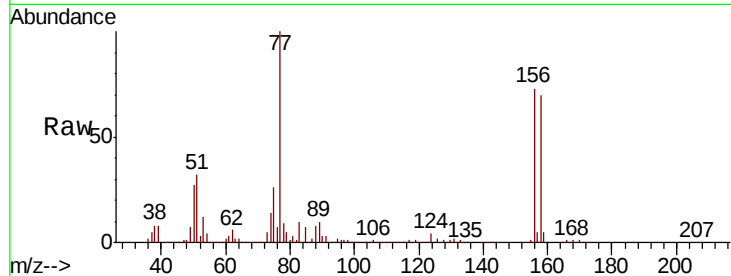
156 100

77 159.9 0.0 377.4

158 97.1 0.0 203.0

Manual Integrations
APPROVED

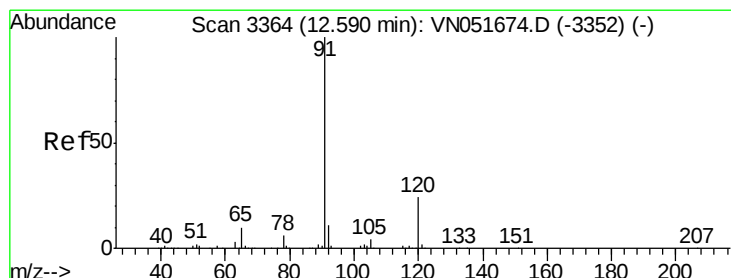
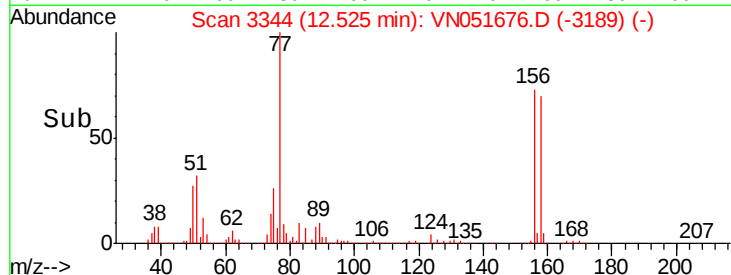
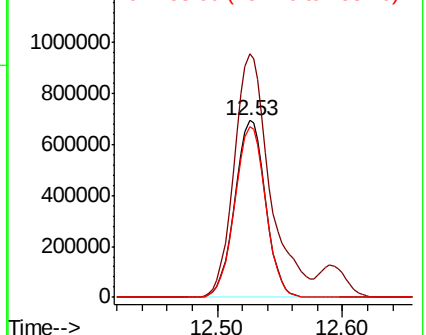
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 99.412 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051676.D

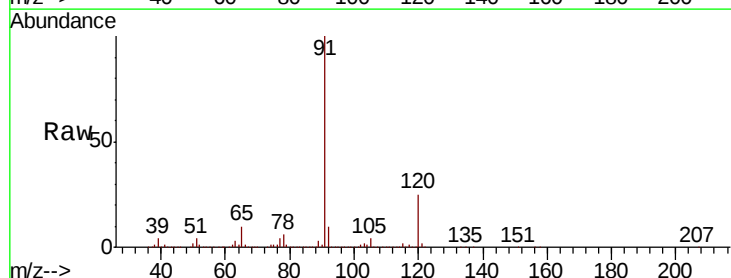
Acq: 5 Oct 2018 10:25

Tgt Ion: 91 Resp: 5240522

Ion Ratio Lower Upper

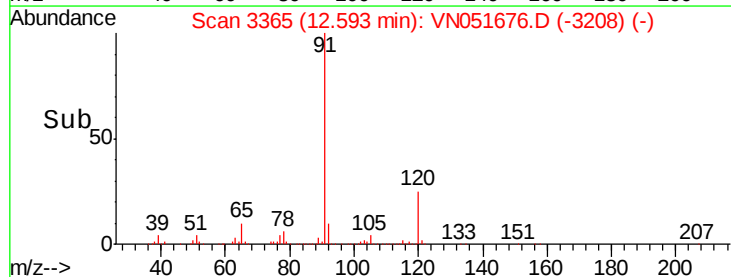
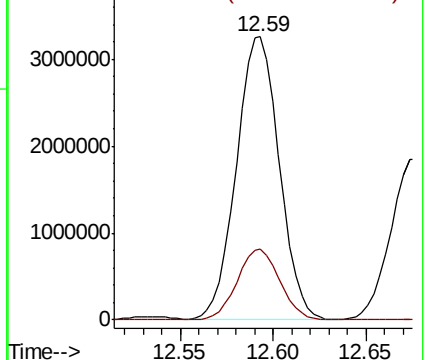
91 100

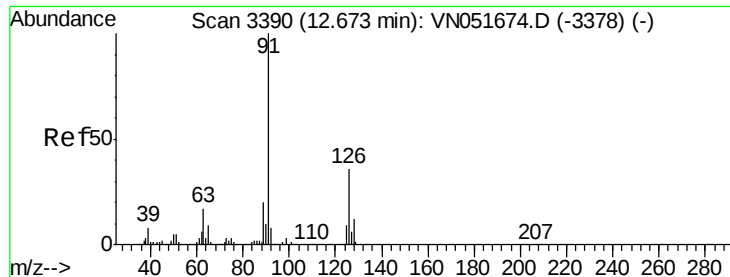
120 24.7 0.0 45.0



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 98.450 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN051676.D

Acq: 5 Oct 2018 10:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 3069078

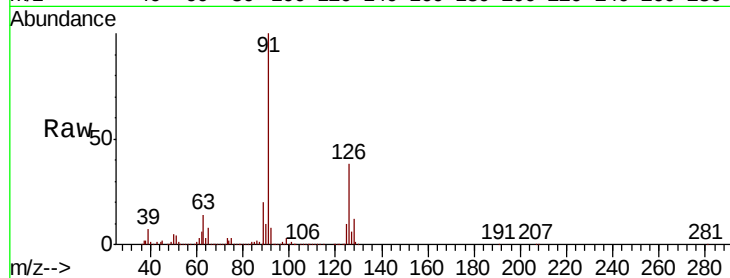
Ion Ratio Lower Upper

91 100

126 37.2 0.0 67.6

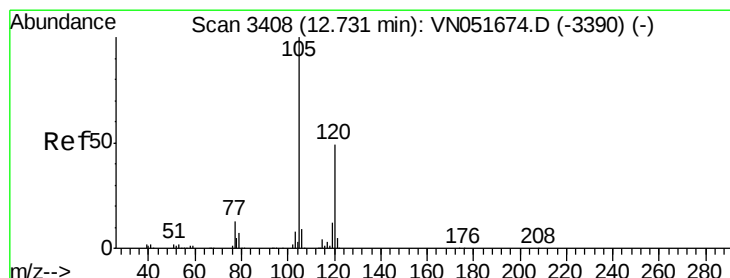
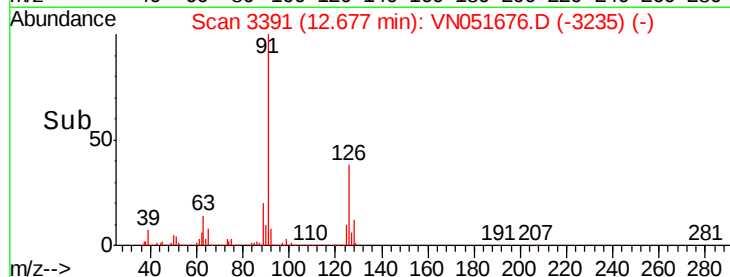
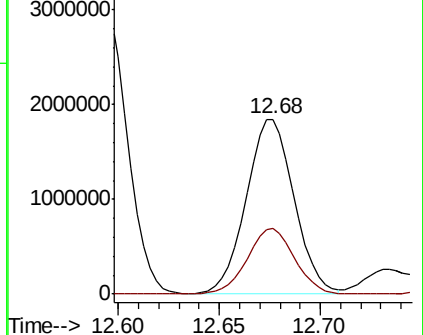
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Abundance Ion 91.00 (90.70 to 91.70): VN051674.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN051674.D (-3378) (-)



#76

1,3,5-Trimethylbenzene

Concen: 107.024 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051676.D

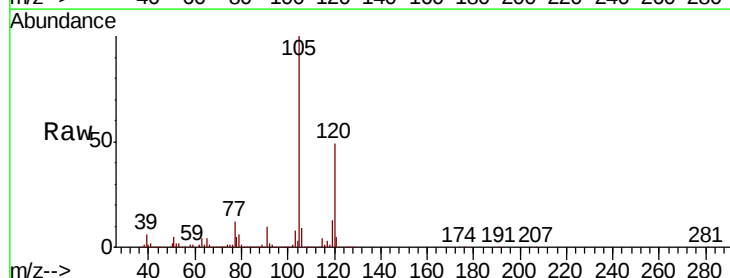
Acq: 5 Oct 2018 10:25

Tgt Ion: 105 Resp: 4030074

Ion Ratio Lower Upper

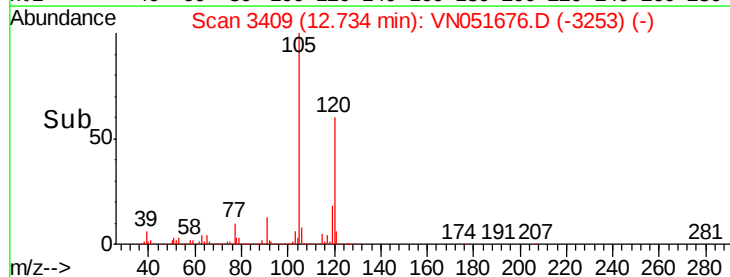
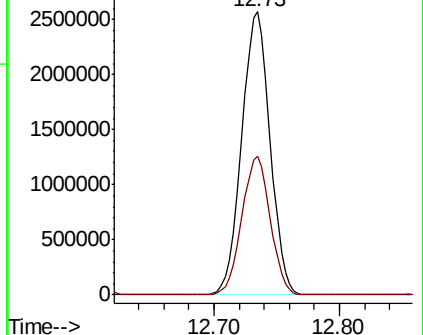
105 100

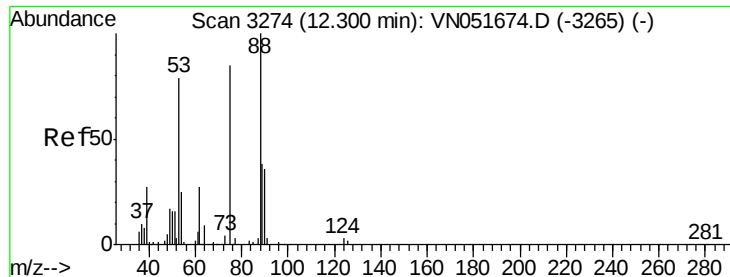
120 49.2 0.0 98.2



Abundance Ion 105.00 (104.70 to 105.70): VN051674.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN051674.D (-3390) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 108.148 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051676.D

Acq: 5 Oct 2018 10:25

Instrument :

MSVOA_N

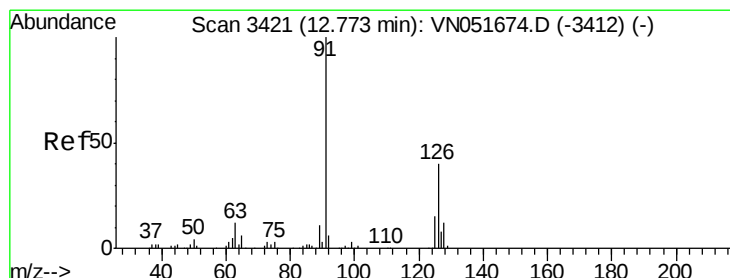
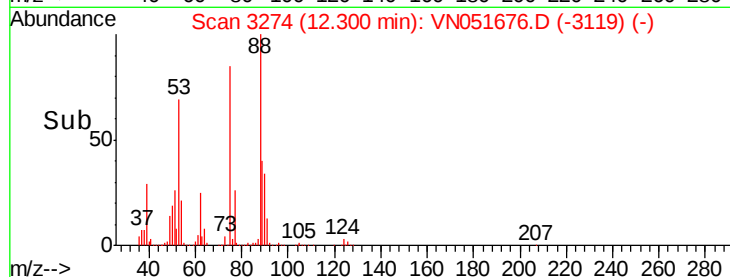
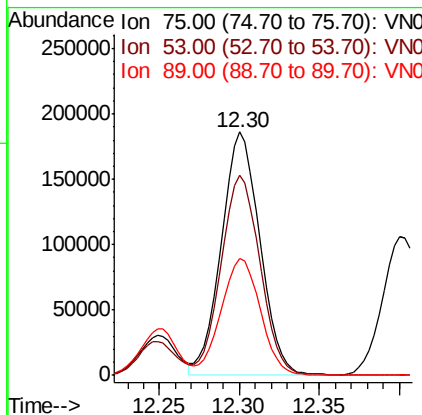
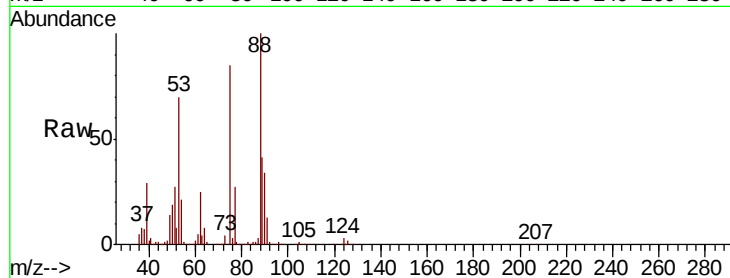
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	308237
Ion	Ratio	Lower	Upper
75	100		
53	81.9	46.3	138.9
89	47.9	24.6	73.8

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#78

4-Chlorotoluene

Concen: 102.272 ug/l

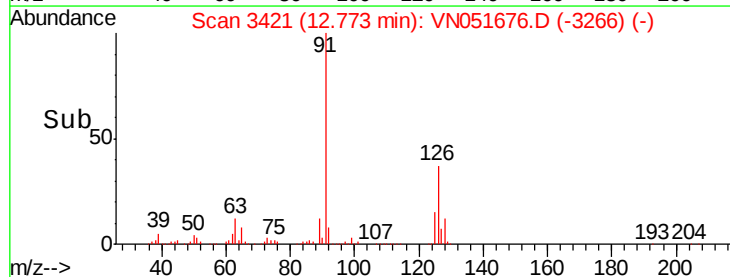
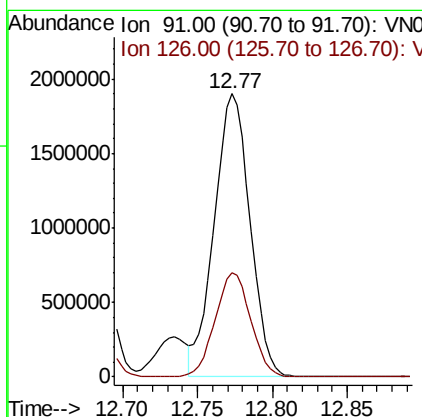
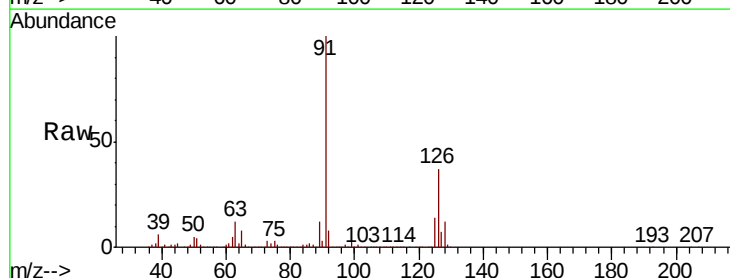
RT: 12.77 min Scan# 3421

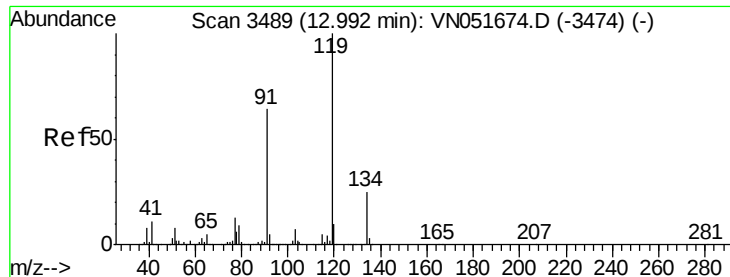
Delta R.T. -0.00 min

Lab File: VN051676.D

Acq: 5 Oct 2018 10:25

Tgt Ion:	91	Resp:	3166632
Ion	Ratio	Lower	Upper
91	100		
126	36.5	0.0	65.2





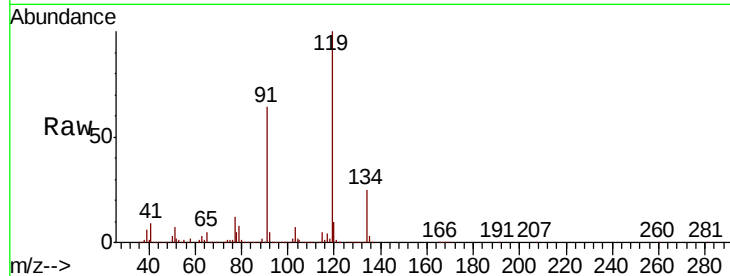
#79
tert-butylbenzene
Concen: 109.071 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051676.D
Acq: 5 Oct 2018 10:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

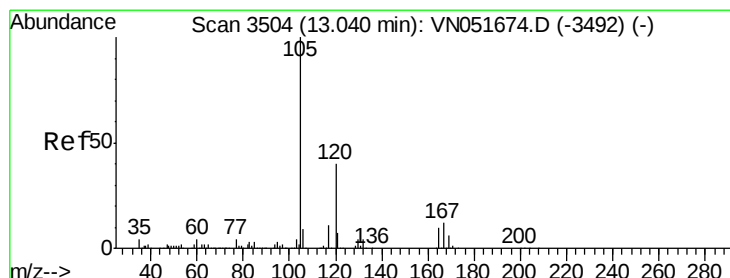
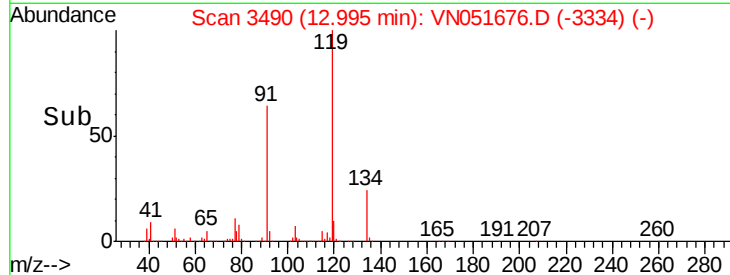
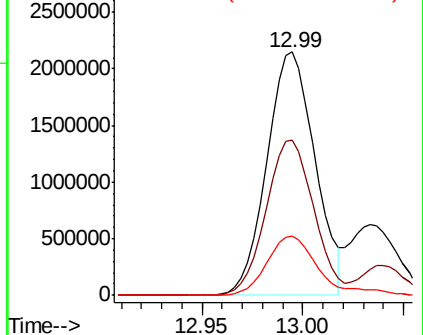
Tot Ion	Ratio	Lower	Upper
119	100		
91	63.0	0.0	131.6
134	26.3	0.0	46.2

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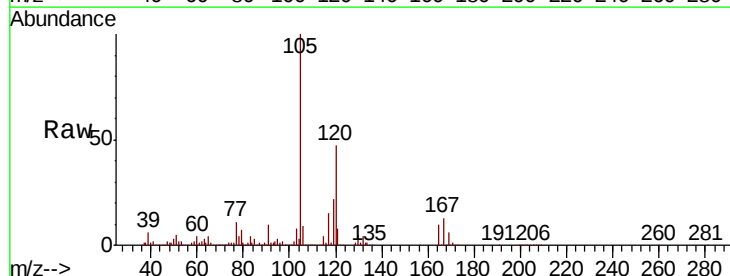


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

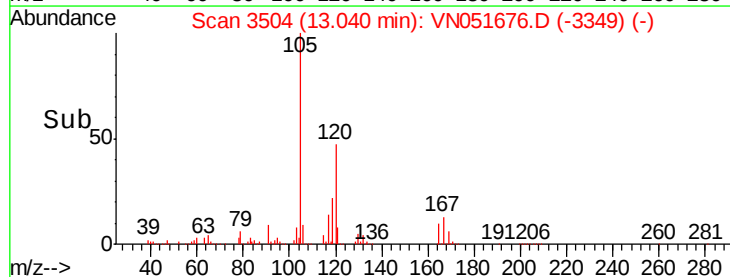
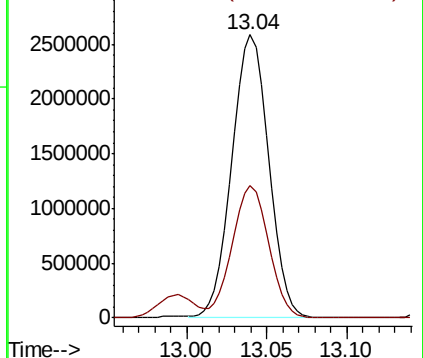


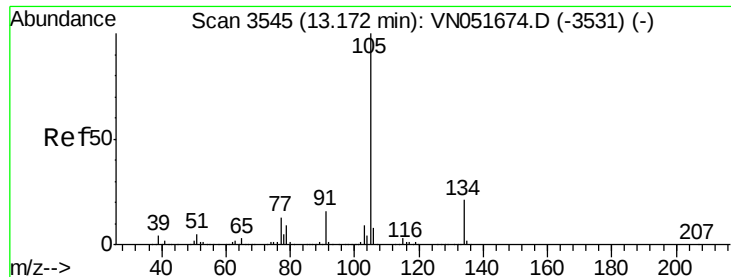
#80
1,2,4-Trimethylbenzene
Concen: 106.664 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN051676.D
Acq: 5 Oct 2018 10:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	0.0	89.6



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





#81

sec-Butylbenzene

Concen: 106.585 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051676.D

Acq: 5 Oct 2018 10:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 4790288

Ion Ratio Lower Upper

105 100

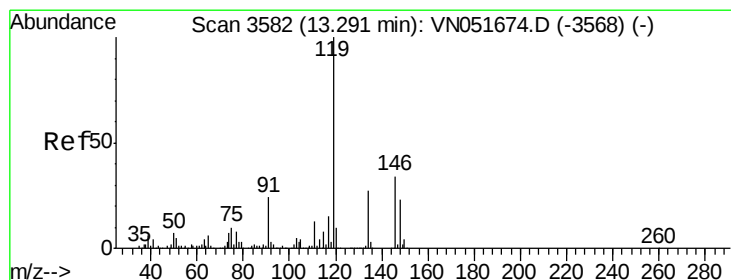
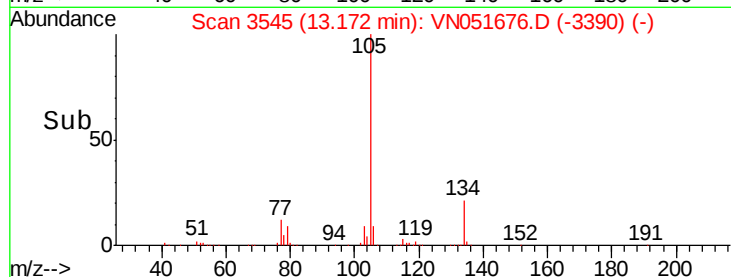
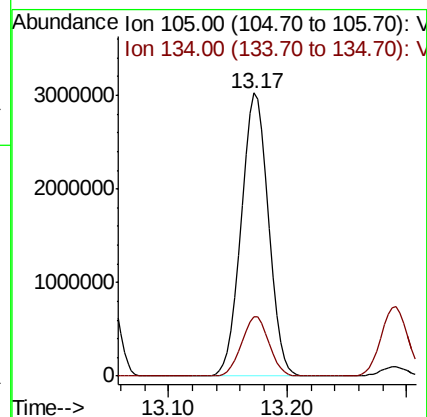
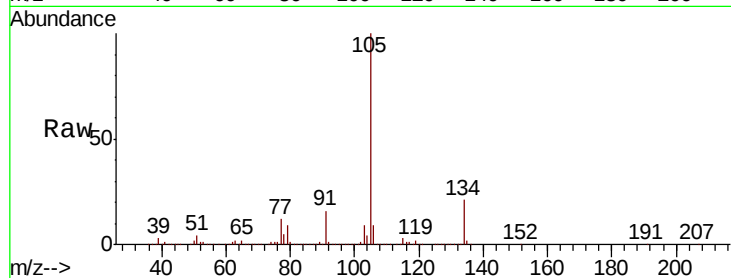
134 21.0 0.0 39.4

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#82

p-Isopropyltoluene

Concen: 111.861 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051676.D

Acq: 5 Oct 2018 10:25

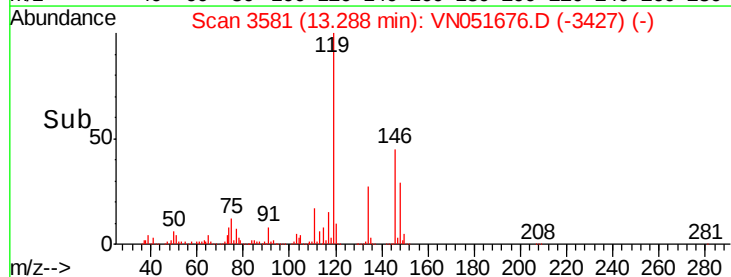
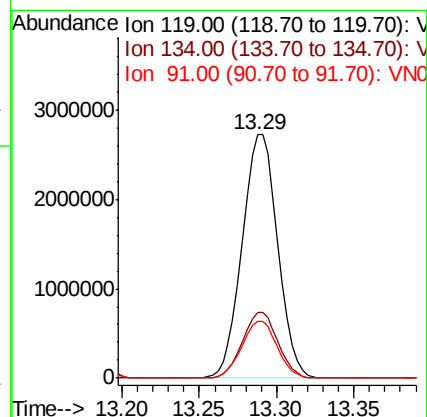
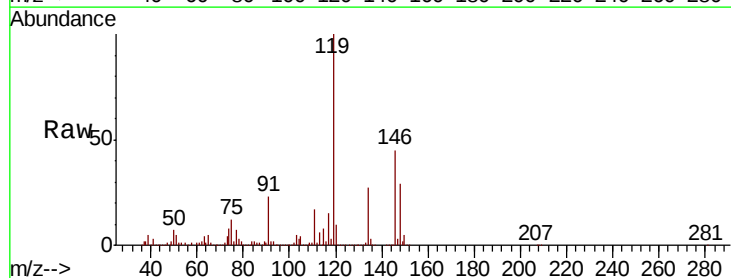
Tgt Ion:119 Resp: 4343816

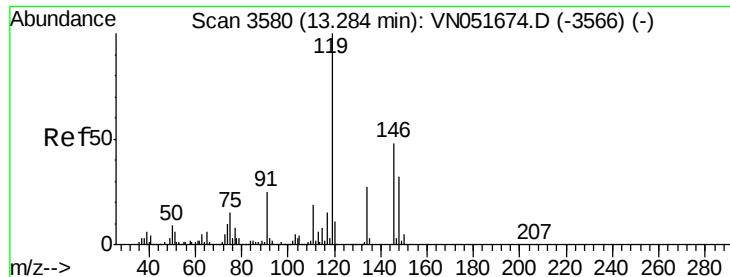
Ion Ratio Lower Upper

119 100

134 26.9 0.0 53.6

91 23.2 0.0 52.0





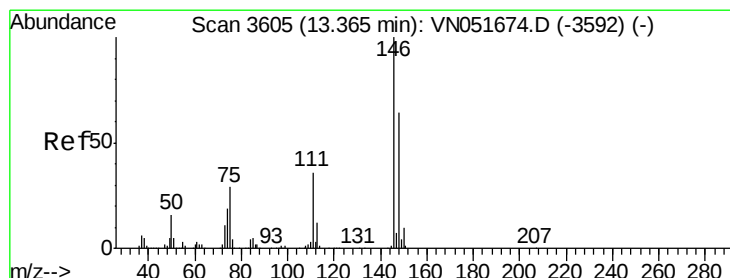
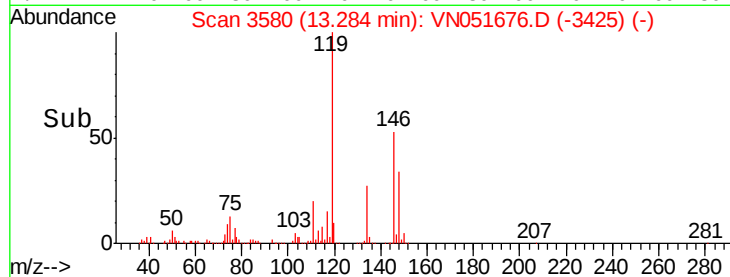
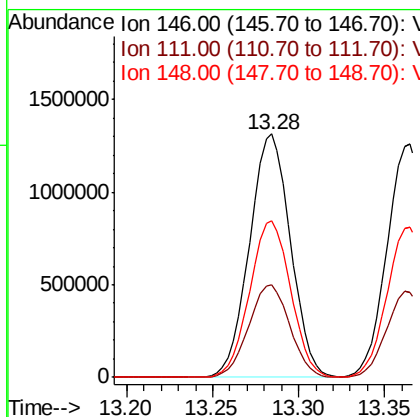
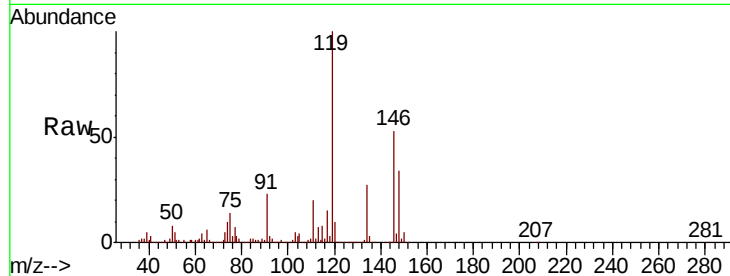
#83
 1,3-Dichlorobenzene
 Concen: 109.138 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN051676.D
 Acq: 5 Oct 2018 10:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.1	54.3
148	64.3	31.3	93.8

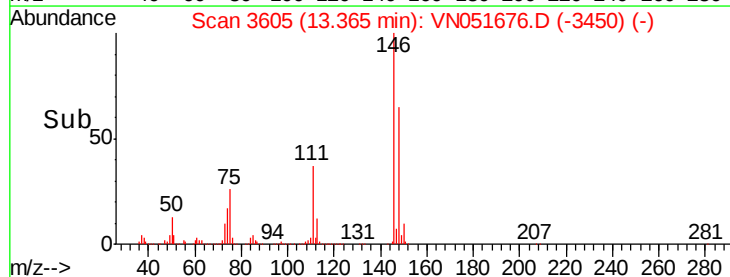
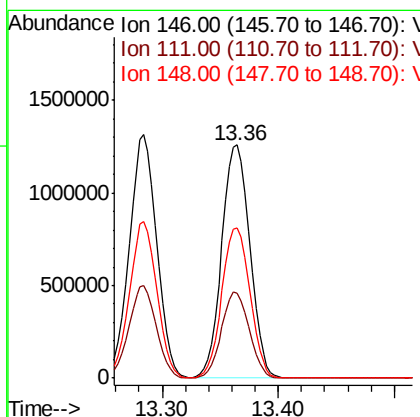
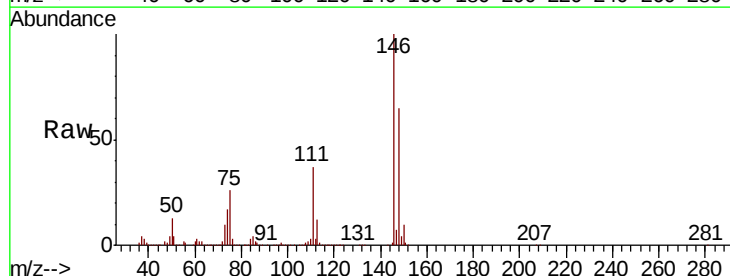
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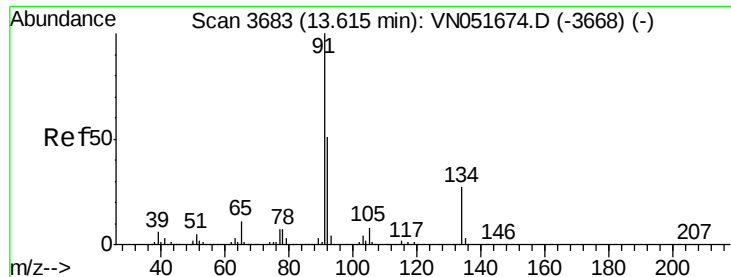
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#84
 1,4-Dichlorobenzene
 Concen: 112.607 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN051676.D
 Acq: 5 Oct 2018 10:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	17.4	52.2
148	64.5	32.8	98.3





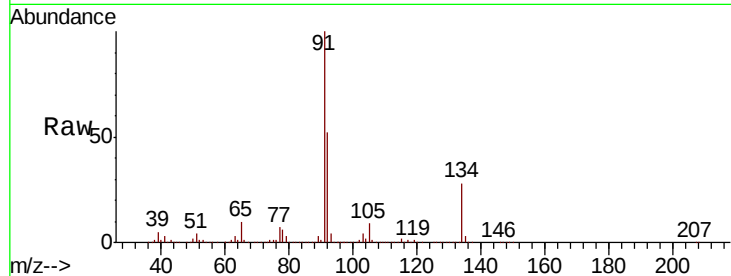
#85
n-Butylbenzene
Concen: 111.484 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN051676.D
Acq: 5 Oct 2018 10:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

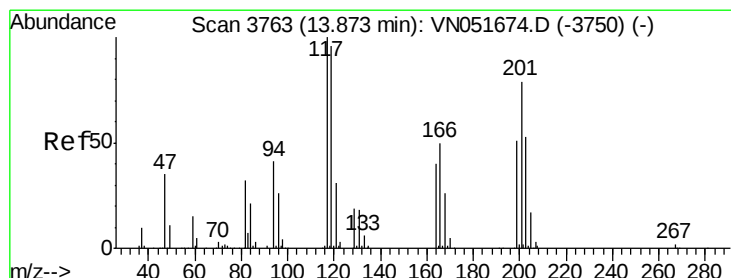
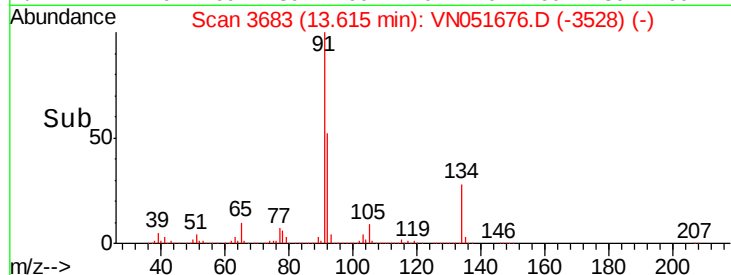
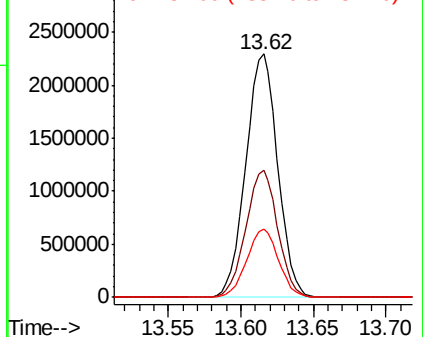
Tot Ion: 91 Resp: 3507880
Ion Ratio Lower Upper
91 100
92 52.1 0.0 97.4
134 28.1 0.0 49.6

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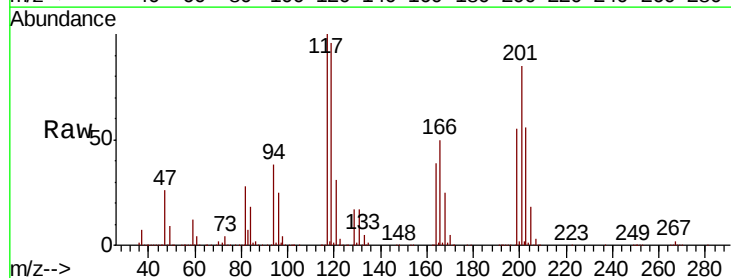


Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0
Ion 134.00 (133.70 to 134.70): VN0

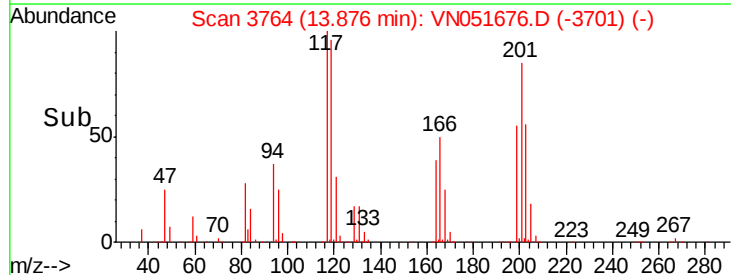
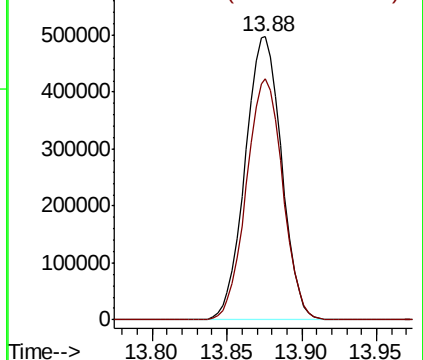


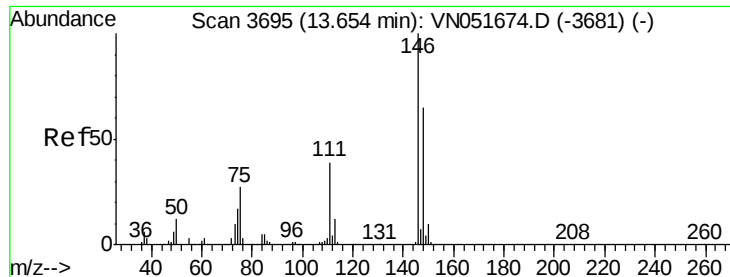
#86
Hexachloroethane
Concen: 109.358 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN051676.D
Acq: 5 Oct 2018 10:25

Tgt Ion: 117 Resp: 843244
Ion Ratio Lower Upper
117 100
201 85.0 47.8 143.3



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 201.00 (200.70 to 201.70): V





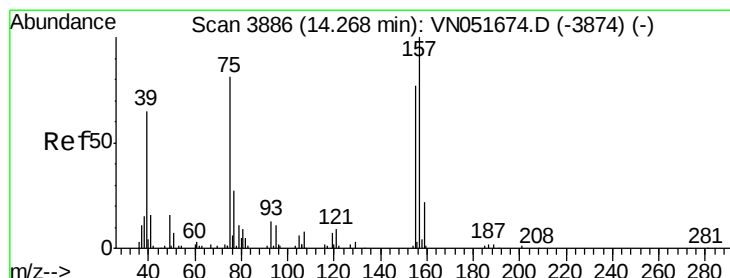
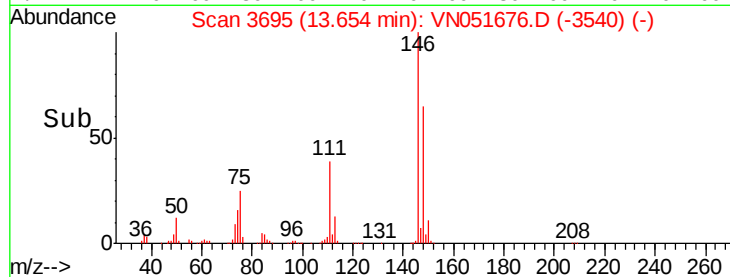
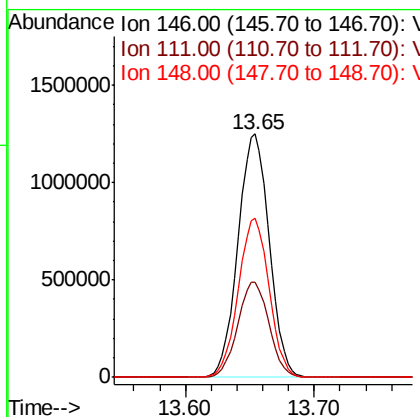
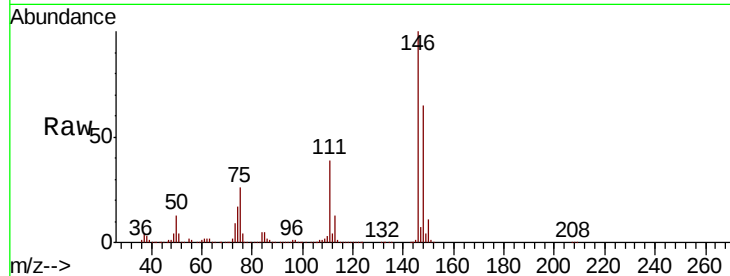
#87
 1,2-Dichlorobenzene
 Concen: 110.319 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN051676.D
 Acq: 5 Oct 2018 10:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	20.8	62.2
148	64.2	33.2	99.6

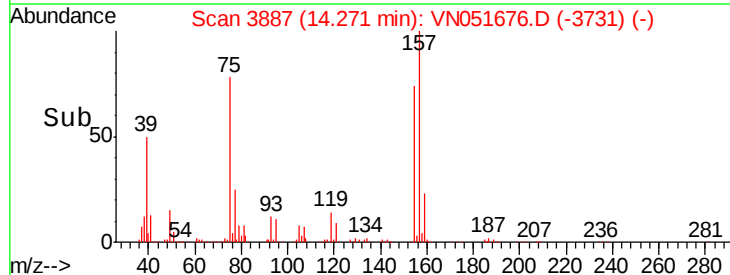
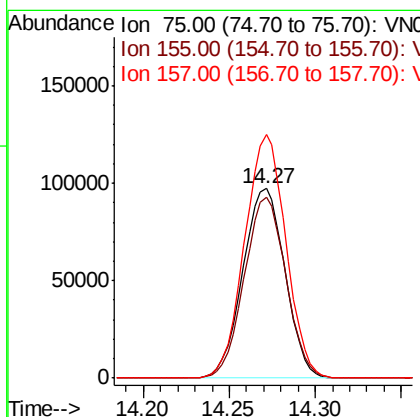
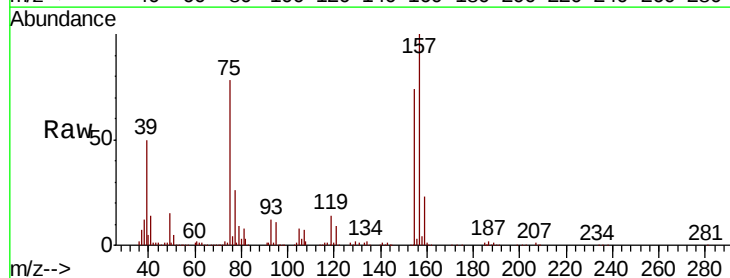
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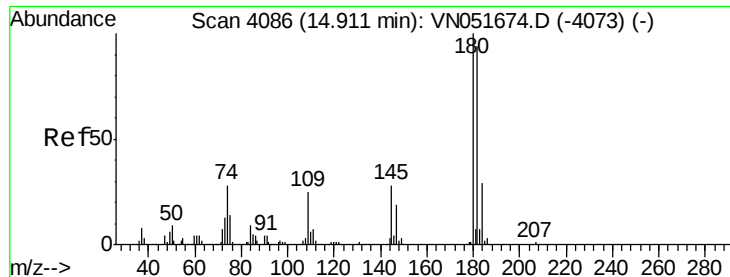
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 107.292 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN051676.D
 Acq: 5 Oct 2018 10:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.9	57.0	85.6#
157	125.4	87.4	131.0





#89

1,2,4-Trichlorobenzene

Concen: 115.063 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN051676.D

Acq: 5 Oct 2018 10:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:180 Resp: 1061705

Ion Ratio Lower Upper

180 100

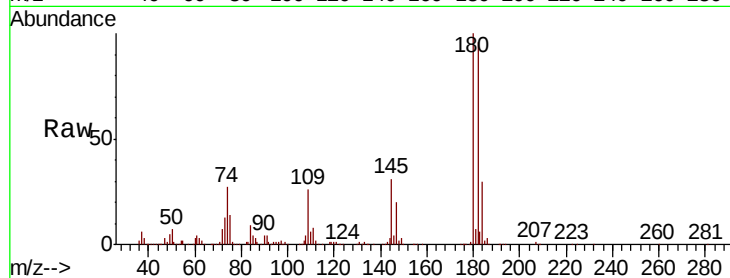
182 95.0 77.7 116.5

145 30.3 23.4 35.2

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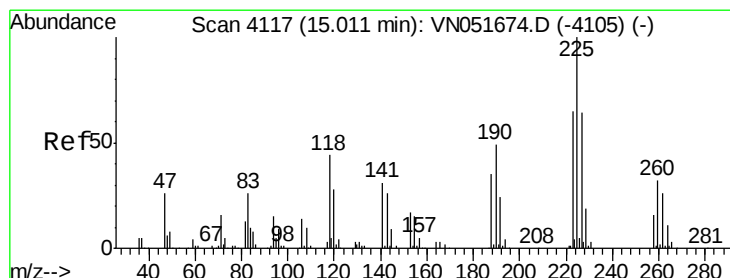
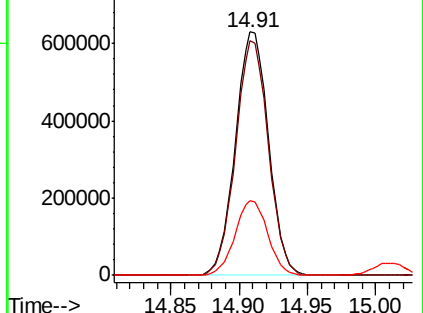
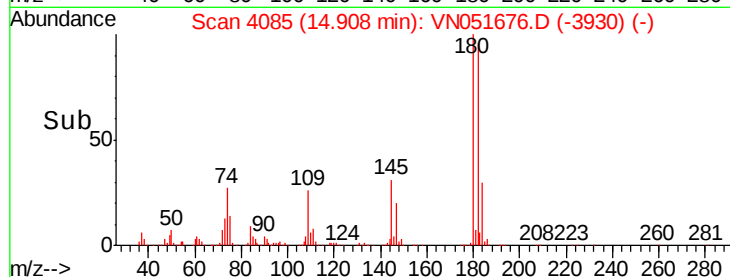


Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90

Hexachlorobutadiene

Concen: 83.511 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. -0.00 min

Lab File: VN051676.D

Acq: 5 Oct 2018 10:25

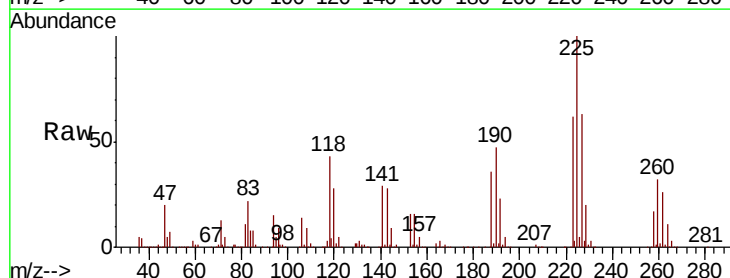
Tgt Ion:225 Resp: 605845

Ion Ratio Lower Upper

225 100

223 62.2 0.0 117.0

227 63.9 0.0 127.0

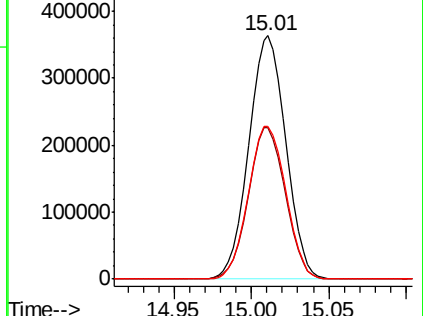
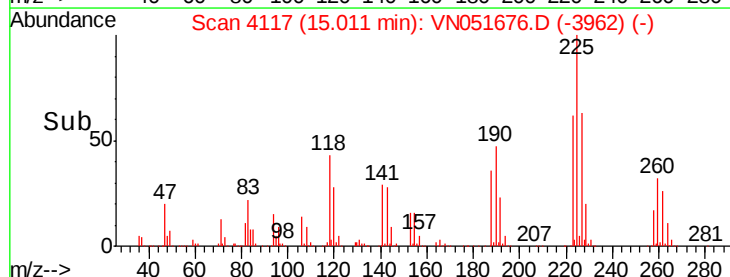


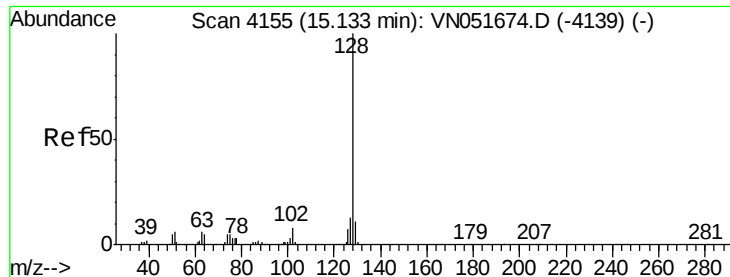
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





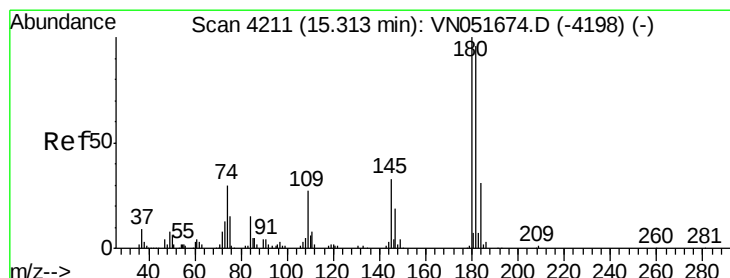
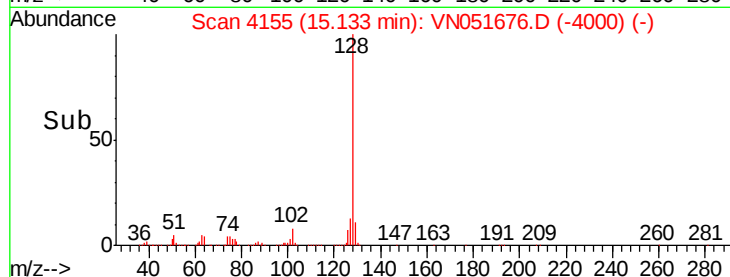
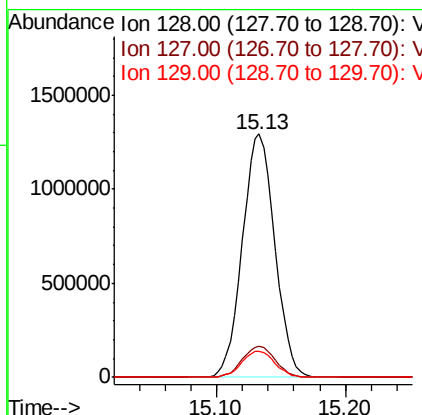
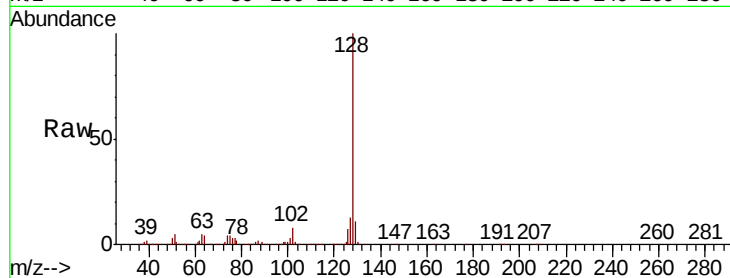
#91
Naphthalene
Concen: 133.419 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051676.D
Acq: 5 Oct 2018 10:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.1	15.1
129	11.0	8.4	12.6

Manual Integrations
APPROVED

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#92
1,2,3-Trichlorobenzene
Concen: 107.143 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN051676.D
Acq: 5 Oct 2018 10:25

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	0.0	198.0
145	32.0	0.0	36.8

