

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100818\
 Data File : VN051719.D
 Acq On : 8 Oct 2018 8:18
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/10/2018 11:48:34 AM

Quant Time: Oct 09 04:11:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 05 02:22:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	672249	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1007429	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	996921	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	562818	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	438655	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
35) Dibromofluoromethane	7.59	113	394186	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	
50) Toluene-d8	10.09	98	1535996	52.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.72%	
62) 4-Bromofluorobenzene	12.40	95	562123	54.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	417604	49.679	ug/l	100
3) Chloromethane	2.06	50	366968	47.833	ug/l	99
4) Vinyl Chloride	2.18	62	563909	46.662	ug/l	99
5) Bromomethane	2.56	94	388567	41.810	ug/l	99
6) Chloroethane	2.70	64	371428	45.730	ug/l	100
7) Trichlorofluoromethane	3.01	101	682556	54.368	ug/l	98
8) Diethyl Ether	3.41	74	171838	48.795	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	345150	51.385	ug/l	99
10) Methyl Iodide	3.95	142	390715	44.275	ug/l	99
11) Tert butyl alcohol	4.79	59	136915	226.851	ug/l	97
12) 1,1-Dichloroethene	3.73	96	305587	48.812	ug/l	97
13) Acrolein	3.61	56	73850	195.855	ug/l	98
14) Allyl chloride	4.32	41	452211	47.360	ug/l	98
15) Acrylonitrile	4.99	53	488178	234.396	ug/l	99
16) Acetone	3.81	43	416267	282.600	ug/l	100
17) Carbon Disulfide	4.05	76	874751	45.968	ug/l	99
18) Methyl Acetate	4.33	43	244154	49.809	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	974679	47.167	ug/l	99
20) Methylene Chloride	4.55	84	345879	47.338	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	349621	47.127	ug/l	97
22) Diisopropyl ether	5.95	45	962969	47.047	ug/l	98
23) Vinyl Acetate	5.90	43	3508757	233.143	ug/l	99
24) 1,1-Dichloroethane	5.85	63	620328	47.124	ug/l	99
25) 2-Butanone	6.84	43	619984	241.764	ug/l	100
26) 2,2-Dichloropropane	6.82	77	646179	48.984	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	411166	47.743	ug/l	97
28) Bromochloromethane	7.19	49	260247	44.656	ug/l	95
29) Tetrahydrofuran	7.21	42	371462	236.043	ug/l	98
30) Chloroform	7.37	83	706993	47.802	ug/l	96
31) Cyclohexane	7.65	56	561098	46.543	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	692646	48.316	ug/l	98
36) 1,1-Dichloropropene	7.79	75	524836	49.841	ug/l	99
37) Ethyl Acetate	6.93	43	273144	49.735	ug/l	99
38) Carbon Tetrachloride	7.77	117	638764	50.553	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	697704	52.784	ug/l	98
40) Benzene	8.04	78	1577011	50.519	ug/l	99
41) Methacrylonitrile	7.17	41	133874m	47.294	ug/l	
42) 1,2-Dichloroethane	8.12	62	521080	49.532	ug/l	100
43) Isopropyl Acetate	8.16	43	561386	49.028	ug/l #	87
44) Trichloroethene	8.83	130	453254	51.137	ug/l	99
45) 1,2-Dichloropropane	9.12	63	380214	49.264	ug/l	99
46) Dibromomethane	9.21	93	269687	50.272	ug/l	100
47) Bromodichloromethane	9.40	83	596890	50.544	ug/l	98
48) Methyl methacrylate	9.20	41	251810	48.127	ug/l	98
49) 1,4-Dioxane	9.20	88	76178	970.978	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1433019	246.978	ug/l	99
52) Toluene	10.16	92	1106697	53.304	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	624036	51.211	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	651376	50.338	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	382019	51.651	ug/l	99
56) Ethyl methacrylate	10.43	69	486826	52.049	ug/l	96
57) 1,3-Dichloropropane	10.71	76	600743	51.320	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1014032	261.957	ug/l	98
59) 2-Hexanone	10.75	43	994456	252.370	ug/l	100
60) Dibromochloromethane	10.90	129	514635	53.170	ug/l	99
61) 1,2-Dibromoethane	11.00	107	405560	51.870	ug/l	98
64) Tetrachloroethene	10.63	164	453727	51.587	ug/l	98
65) Chlorobenzene	11.43	112	1244581	50.407	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	502188	50.797	ug/l	99
67) Ethyl Benzene	11.51	91	2177662	51.028	ug/l	99
68) m/p-Xylenes	11.62	106	1773733	103.877	ug/l	99
69) o-Xylene	11.95	106	863863	51.587	ug/l	99
70) Styrene	11.96	104	1370543	51.363	ug/l	99
71) Bromoform	12.13	173	369173	50.205	ug/l	98
73) Isopropylbenzene	12.25	105	2332908	48.626	ug/l	100
74) N-amyl acetate	12.07	43	473168	47.558	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	469270	50.485	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	381025m	54.886	ug/l	
77) Bromobenzene	12.53	156	570829	48.660	ug/l	96
78) n-propylbenzene	12.59	91	2560591	48.933	ug/l	100
79) 2-Chlorotoluene	12.67	91	1493040	48.412	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1979493	48.959	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	142445	46.523	ug/l	100
82) 4-Chlorotoluene	12.77	91	1504791	48.571	ug/l	98
83) tert-Butylbenzene	12.99	119	1778875	49.101	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	2006882	49.555	ug/l	99
85) sec-Butylbenzene	13.17	105	2409835	50.286	ug/l	100
86) p-Isopropyltoluene	13.29	119	2159459	50.830	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1054413	51.583	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1018039	50.598	ug/l	100
89) n-Butylbenzene	13.62	91	1728320	51.452	ug/l	100
90) Hexachloroethane	13.87	117	423715	49.988	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1020951	50.242	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	79331	47.071	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	470179	51.998	ug/l	100
94) Hexachlorobutadiene	15.01	225	310199	50.562	ug/l	99
95) Naphthalene	15.13	128	926341	47.440	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	444649	49.930	ug/l	99

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

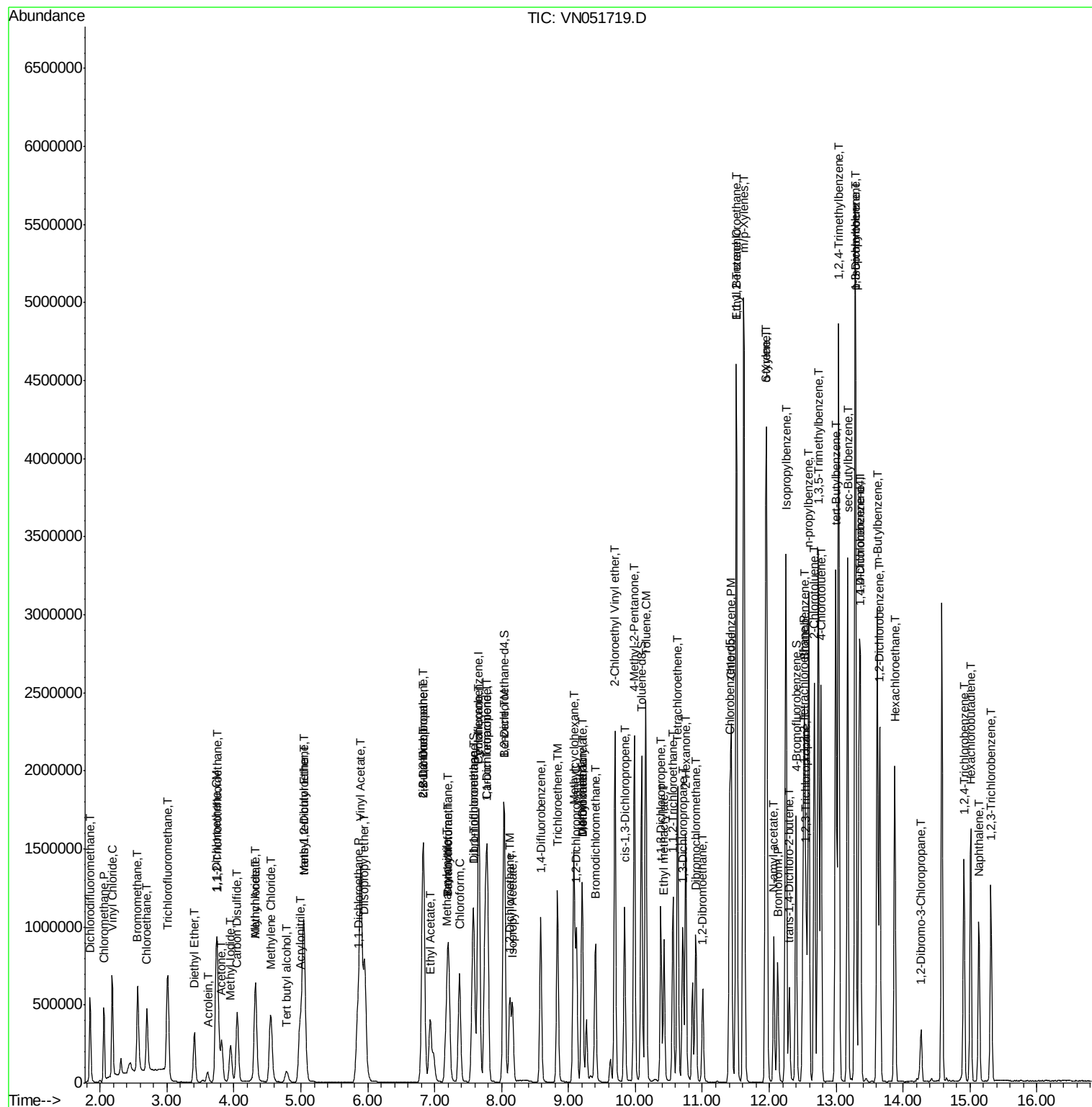
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100818\
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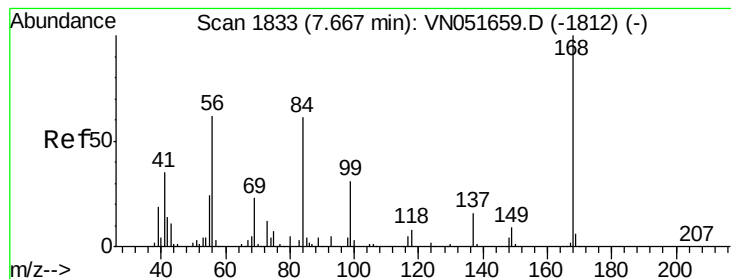
Instrument :
 MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN051719.D

Acq: 8 Oct 2018 8:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 672249

Ion Ratio Lower Upper

168 100

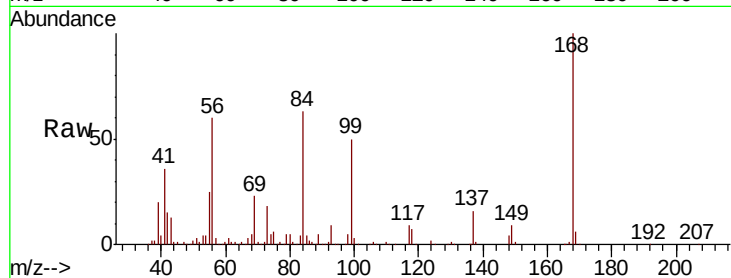
99 50.1 40.4 60.6

Manual Integrations

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10/10/2018 11:48:34 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

300000

250000

200000

150000

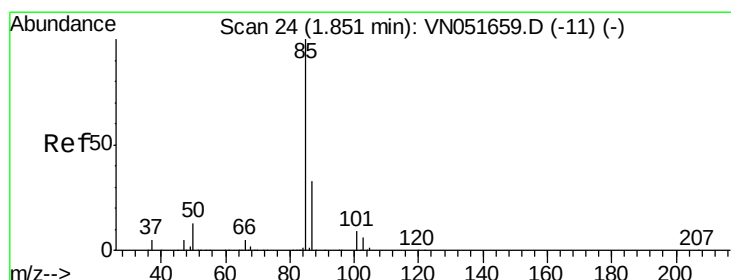
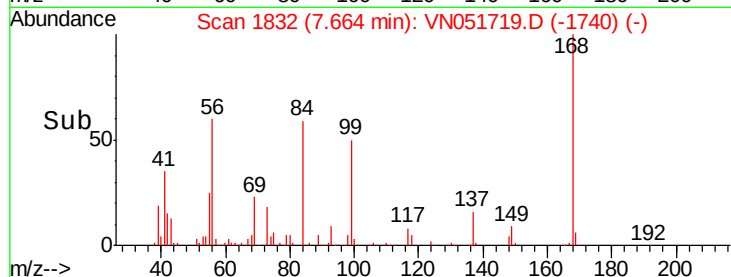
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 49.679 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051719.D

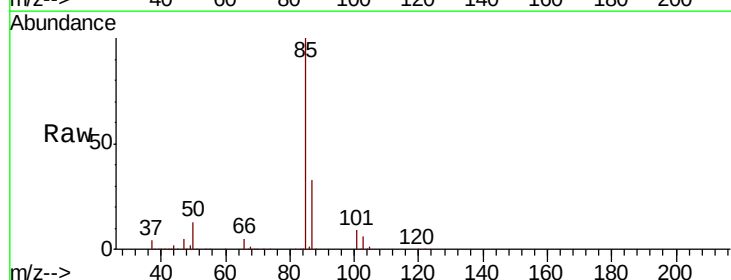
Acq: 8 Oct 2018 8:18

Tgt Ion: 85 Resp: 417604

Ion Ratio Lower Upper

85 100

87 32.8 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

300000

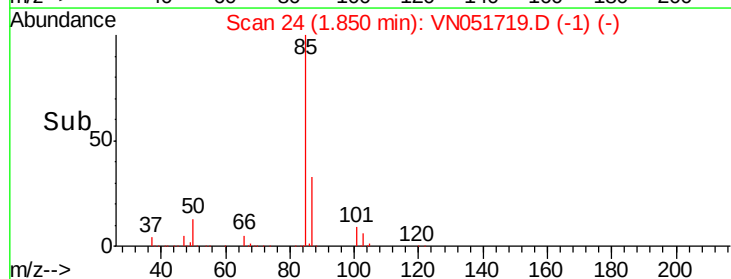
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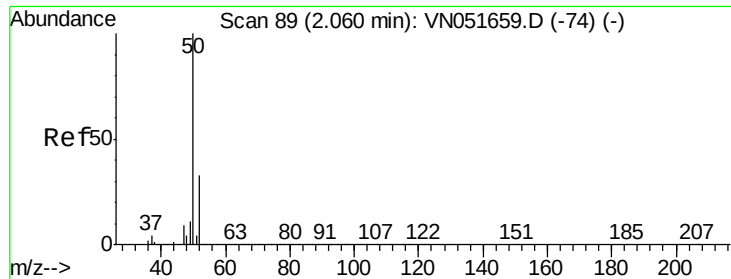
100000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 47.833 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051719.D

Acq: 8 Oct 2018 8:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 366968

Ion Ratio Lower Upper

50 100

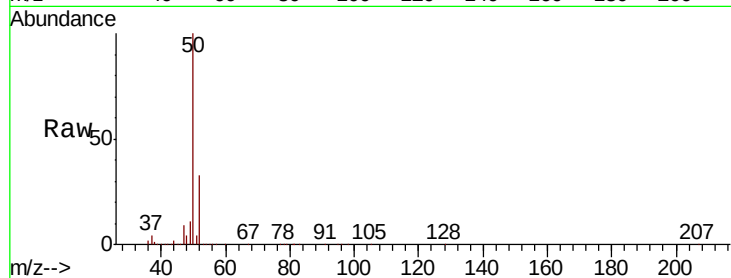
52 32.6 26.6 39.8

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

300000

250000

200000

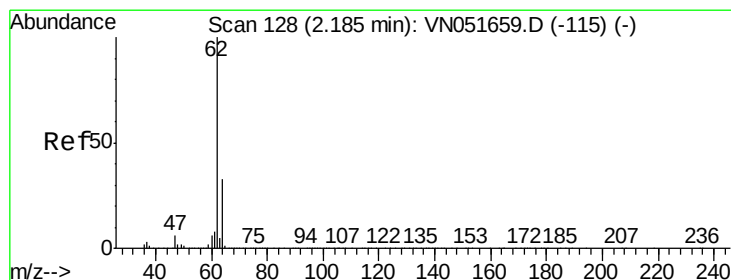
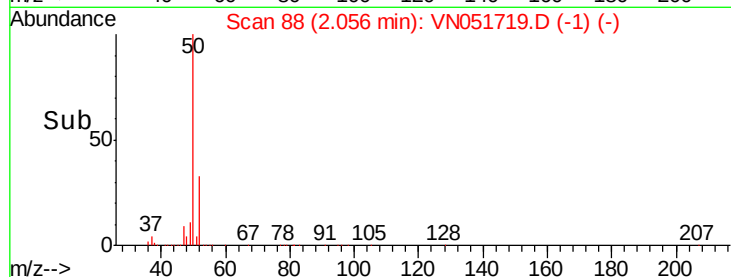
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 46.662 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051719.D

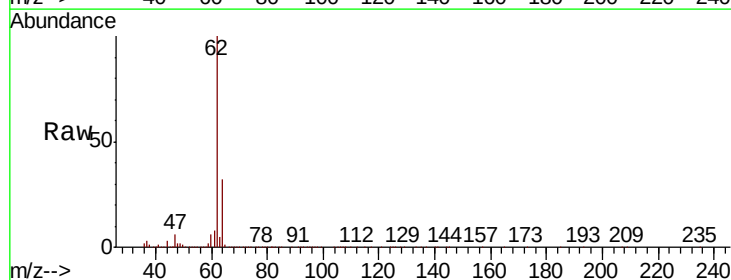
Acq: 8 Oct 2018 8:18

Tgt Ion: 62 Resp: 563909

Ion Ratio Lower Upper

62 100

64 32.3 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.18

400000

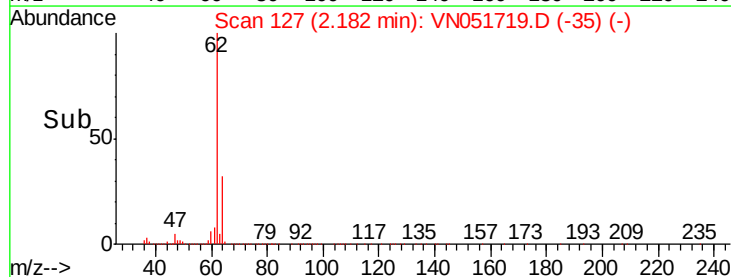
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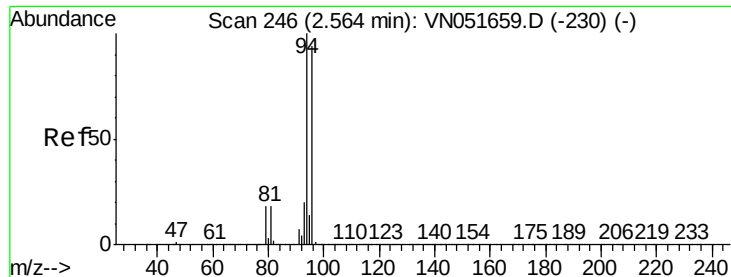
200000

100000

0

Time-->





#5

Bromomethane

Concen: 41.810 ug/l

RT: 2.56 min Scan# 245

Delta R.T. -0.00 min

Lab File: VN051719.D

Acq: 8 Oct 2018 8:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 388567

Ion Ratio Lower Upper

94 100

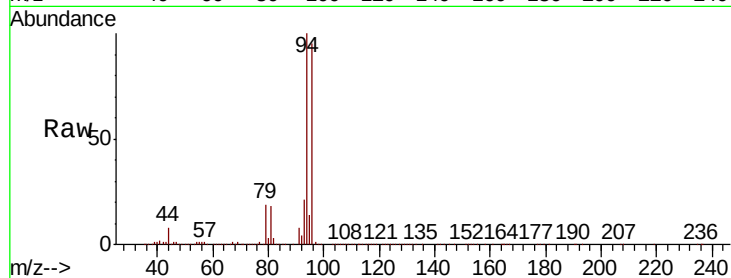
96 95.0 75.2 112.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

200000

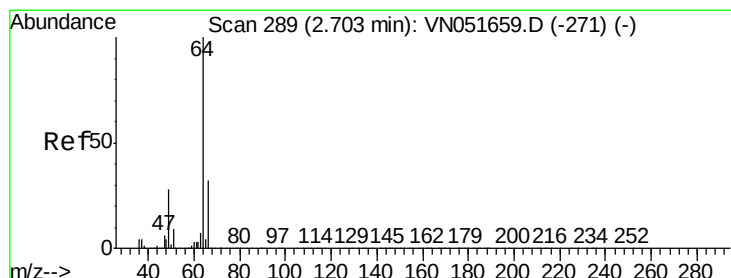
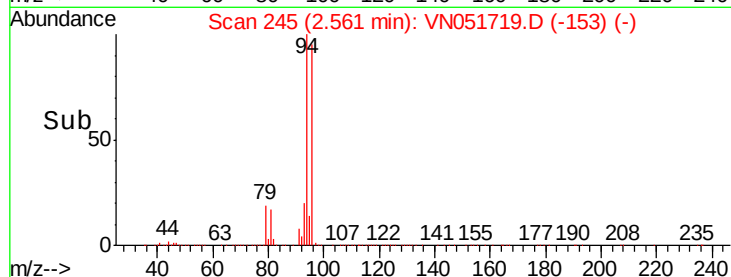
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 45.730 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.00 min

Lab File: VN051719.D

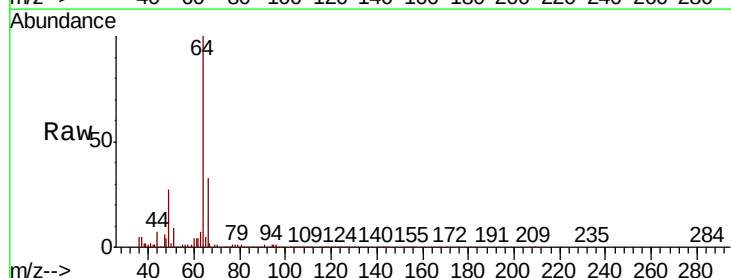
Acq: 8 Oct 2018 8:18

Tgt Ion: 64 Resp: 371428

Ion Ratio Lower Upper

64 100

66 32.7 26.0 39.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

200000

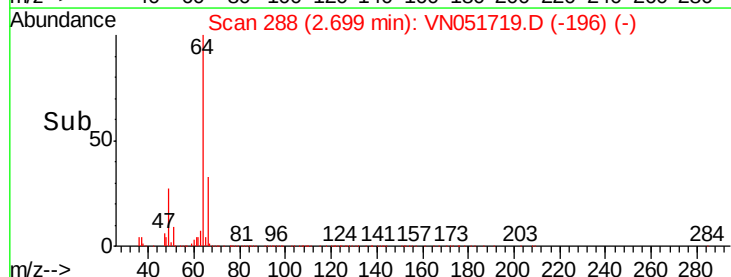
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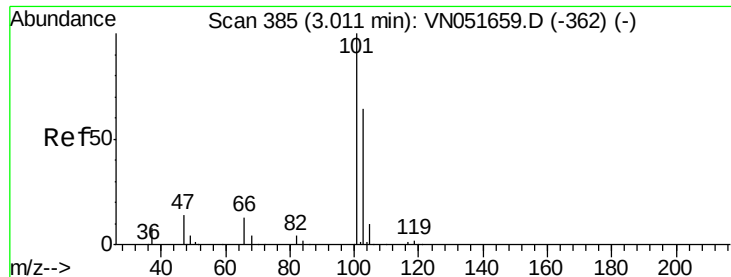
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Time-->





#7

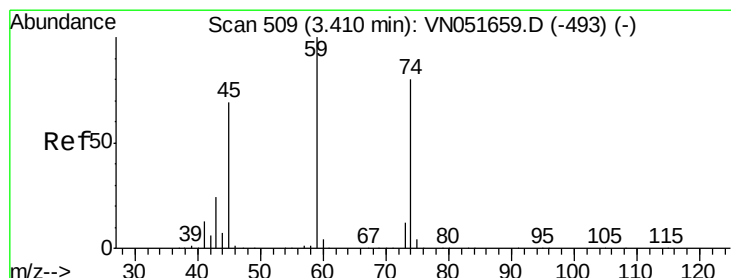
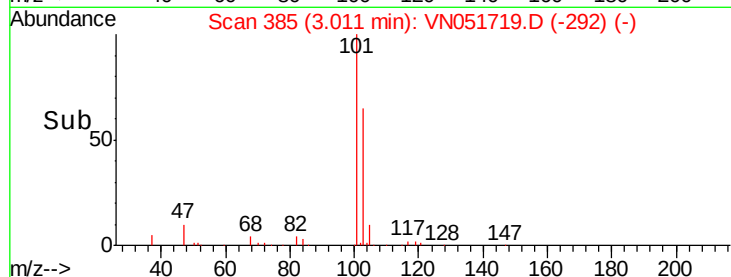
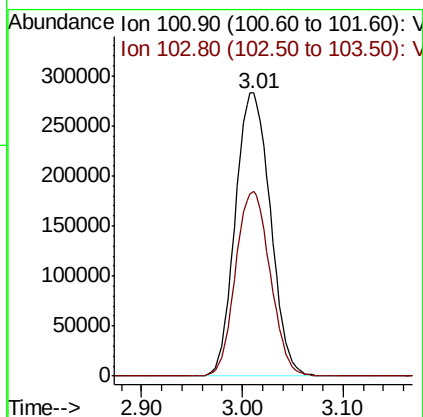
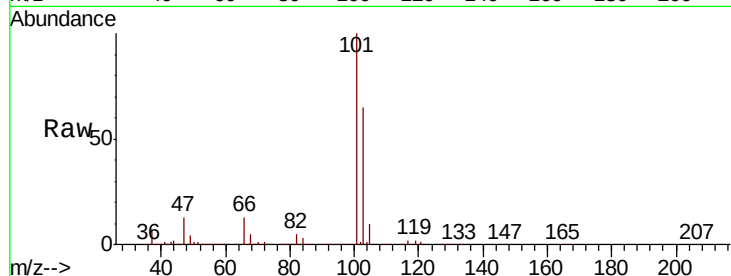
Trichlorofluoromethane
 Concen: 54.368 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. 0.00 min
 Lab File: VN051719.D
 Acq: 8 Oct 2018 8:18

Instrument :
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 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	51.1	76.7

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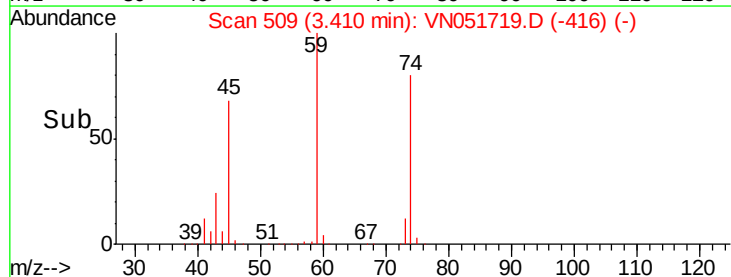
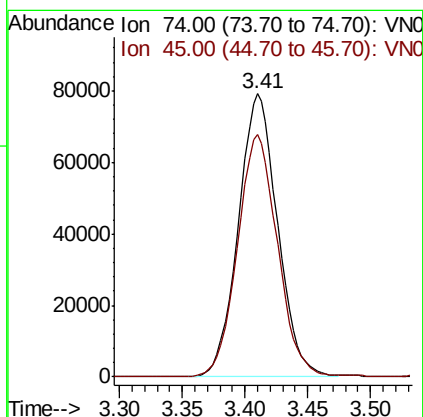
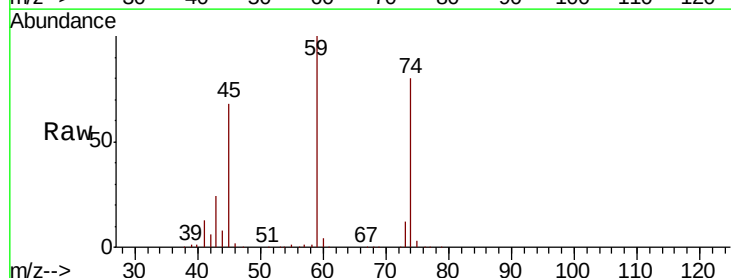
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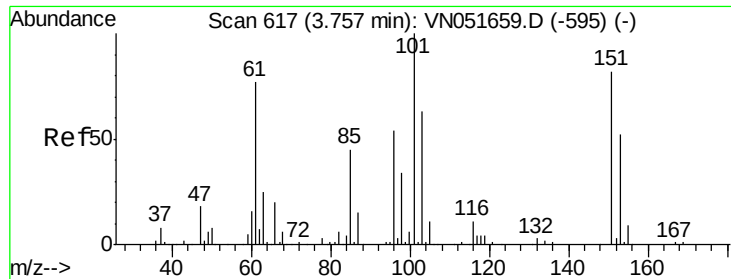


#8

Diethyl Ether
 Concen: 48.795 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051719.D
 Acq: 8 Oct 2018 8:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	87.4	44.3	132.9





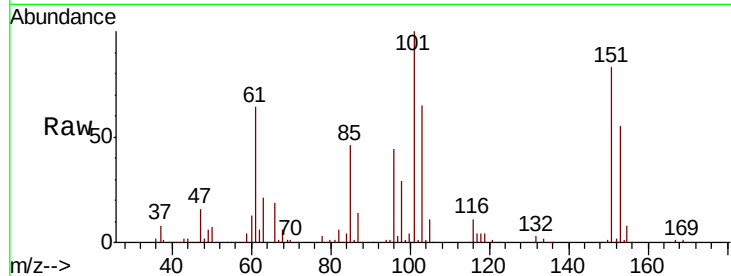
#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.385 ug/l
RT: 3.76 min Scan# 617
Delta R.T. -0.00 min
Lab File: VN051719.D
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Tot Ion	Ratio	Resp Lower	Upper
101	100		
85	45.2	35.6	53.4
151	82.9	65.5	98.3

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MMDadoda
10/10/2018 11:48:34 AM

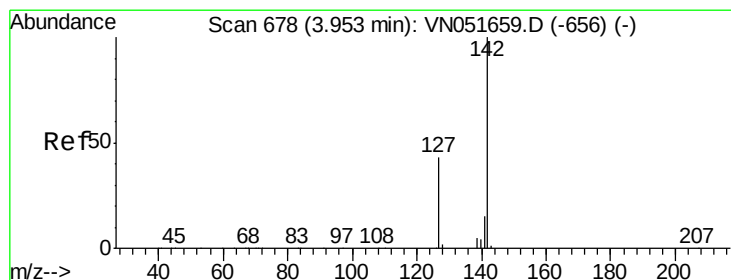
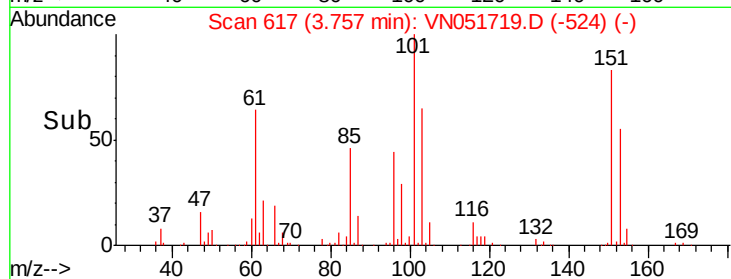
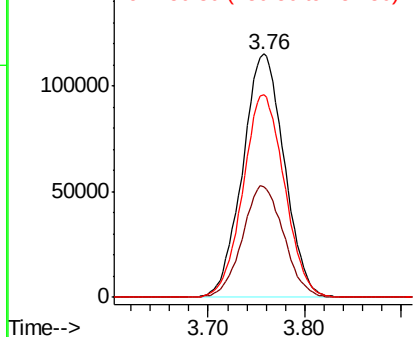


Abundance

Ion 100.90 (100.60 to 101.60): V

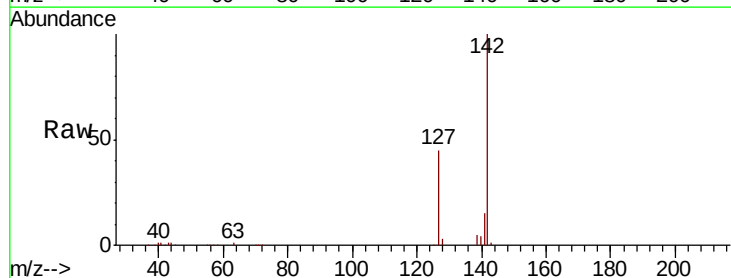
Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10
Methyl Iodide
Concen: 44.275 ug/l
RT: 3.95 min Scan# 677
Delta R.T. -0.00 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

Tgt Ion	Ratio	Resp Lower	Upper
142	100		
127	44.1	34.7	52.1
141	13.9	11.4	17.2

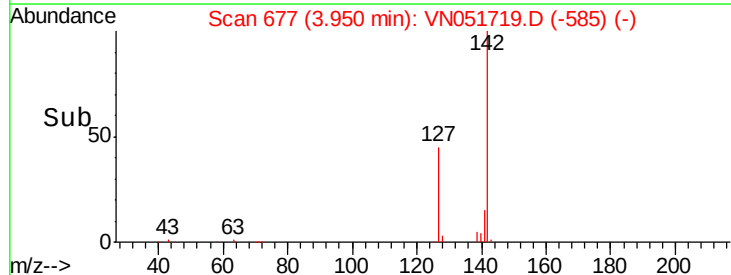
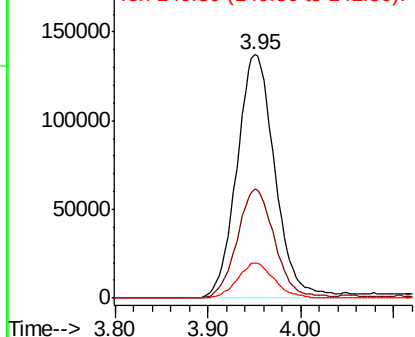


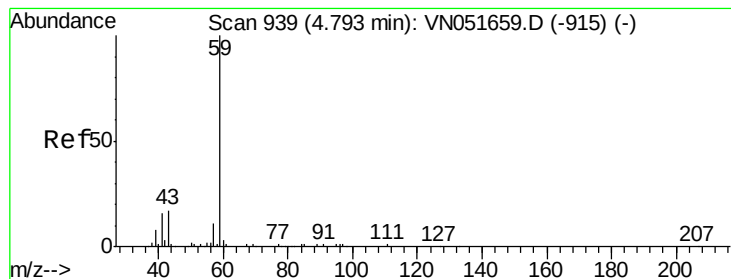
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

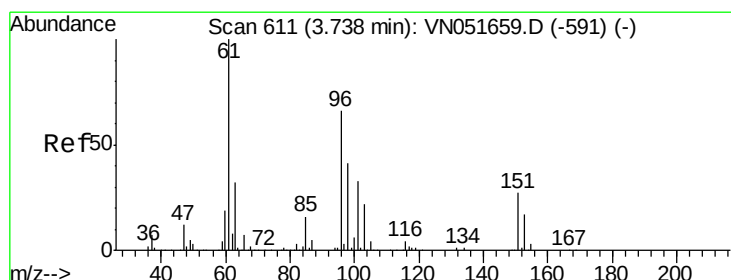
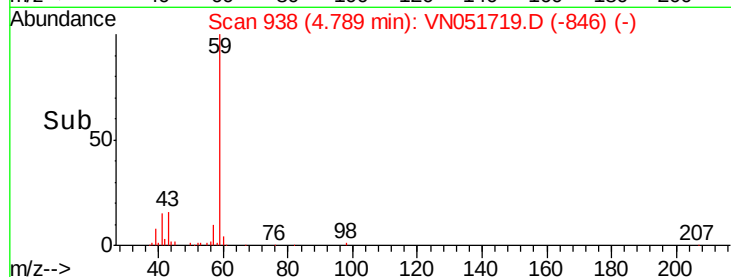
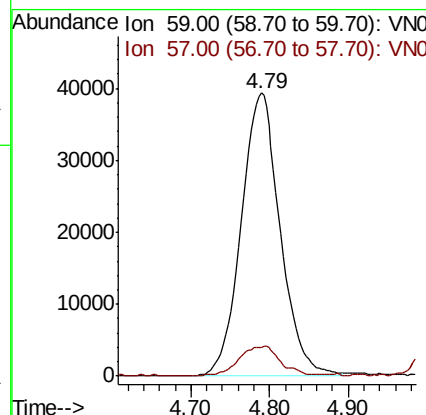
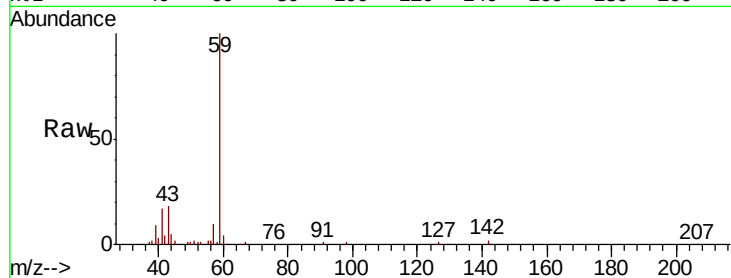
Tert butyl alcohol
 Concen: 226.851 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. -0.00 min
 Lab File: VN051719.D
 Acq: 8 Oct 2018 8:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.4	8.1	12.1

Manual Integrations
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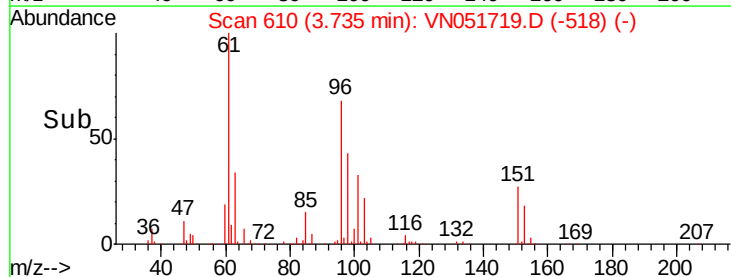
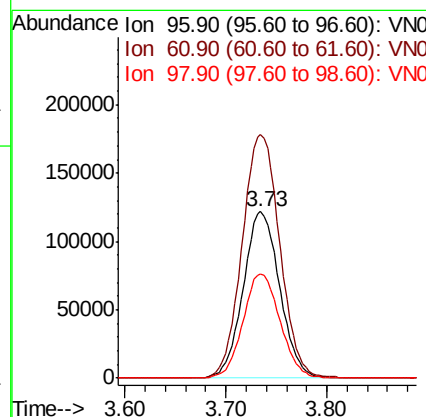
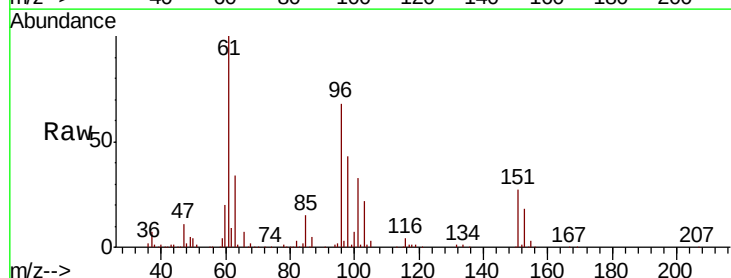
MMDadoda
 10/10/2018 11:48:34 AM

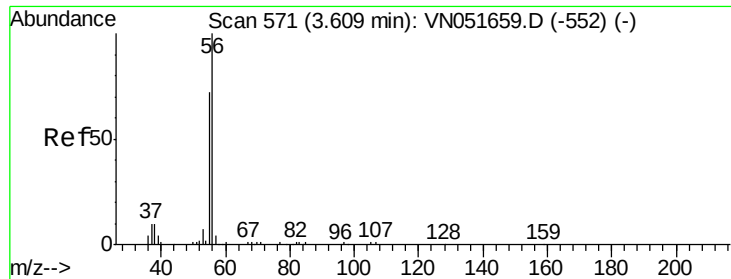


#12

1,1-Dichloroethene
 Concen: 48.812 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN051719.D
 Acq: 8 Oct 2018 8:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.3	121.4	182.0
98	62.8	49.9	74.9





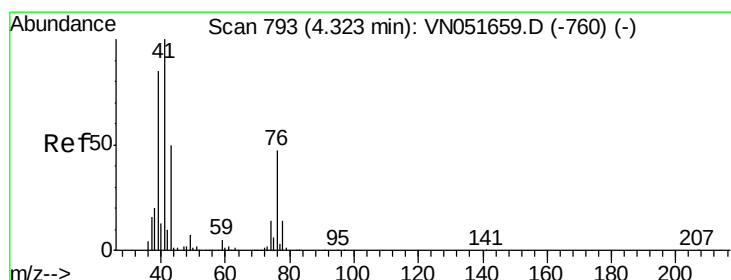
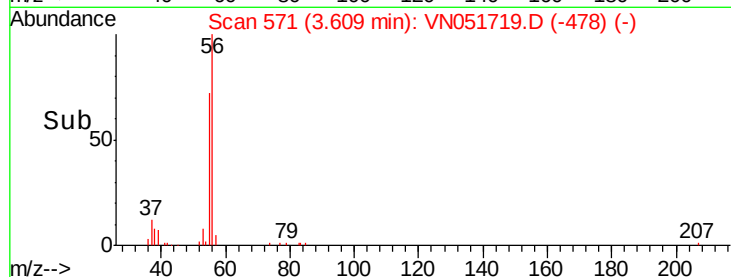
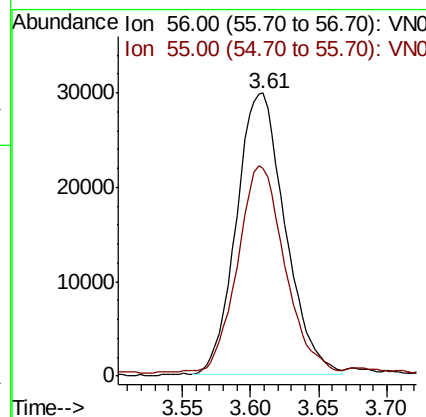
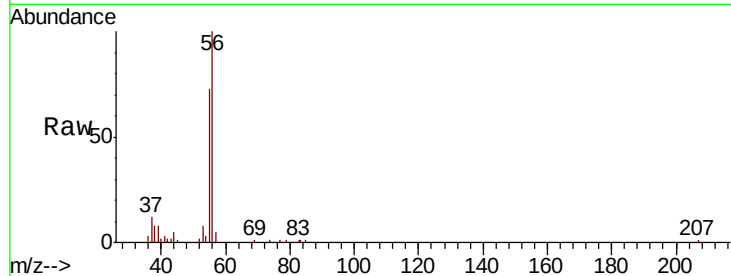
#13
Acrolein
Concen: 195.855 ug/l
RT: 3.61 min Scan# 571
Delta R.T. -0.00 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	73850
Ion Ratio	100	Lower	Upper
55	70.6	57.5	86.3

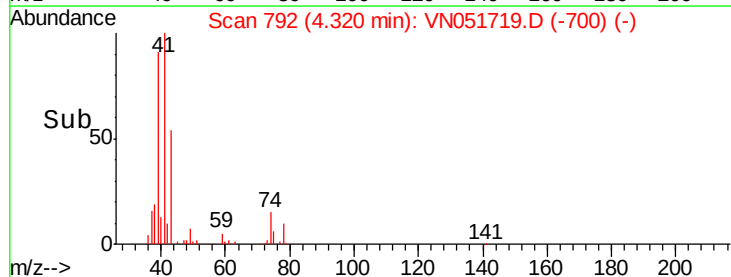
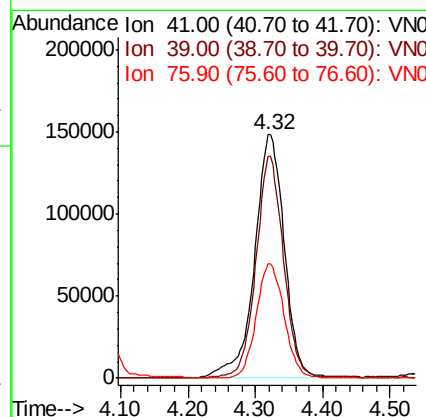
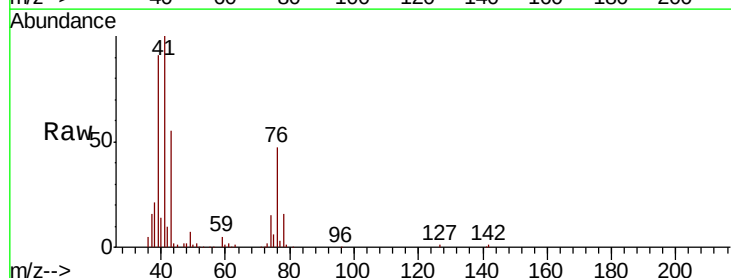
Manual Integrations
APPROVED

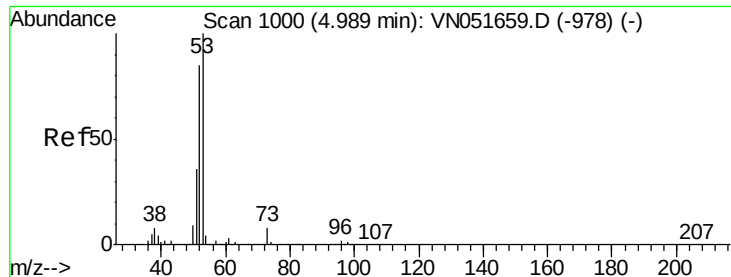
MMDadoda
10/10/2018 11:48:34 AM



#14
Allyl chloride
Concen: 47.360 ug/l
RT: 4.32 min Scan# 792
Delta R.T. -0.00 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

Tgt Ion	41	Resp	452211
Ion Ratio	100	Lower	Upper
39	84.2	65.4	98.0
76	43.5	34.3	51.5





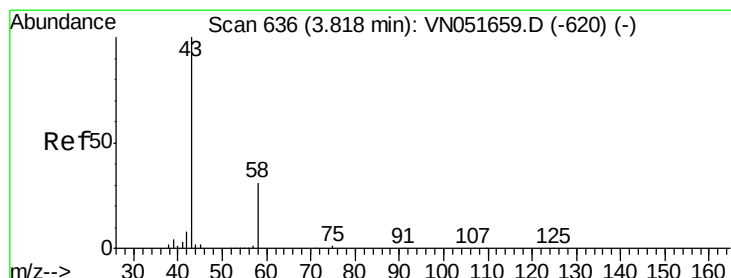
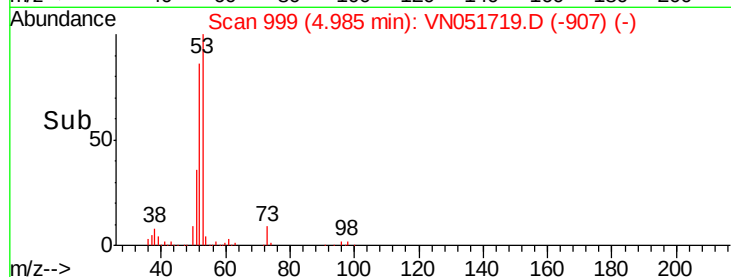
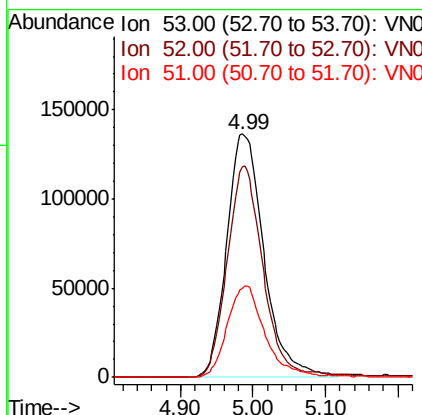
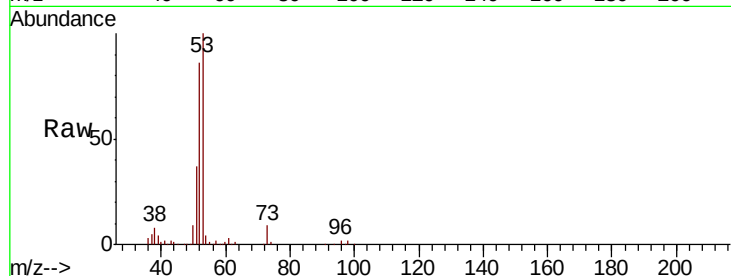
#15
 Acrylonitrile
 Concen: 234.396 ug/l
 RT: 4.99 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: VN051719.D
 Acq: 8 Oct 2018 8:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.4	66.2	99.2
51	37.4	30.3	45.5

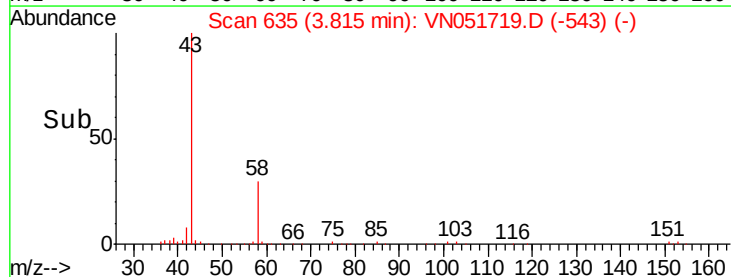
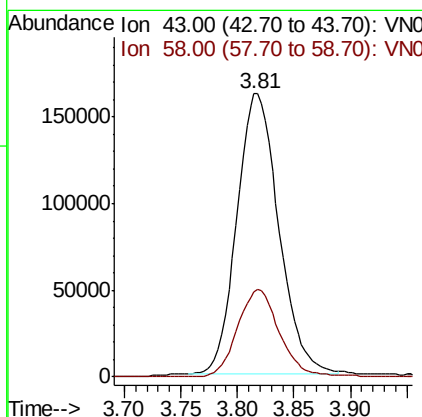
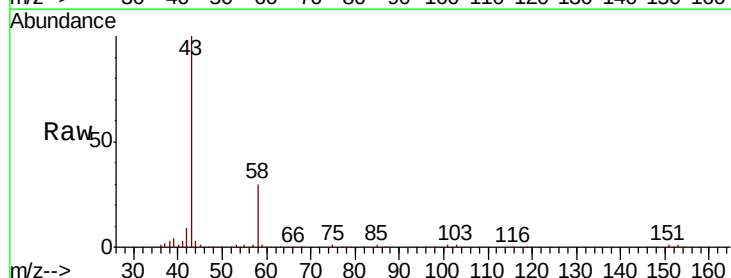
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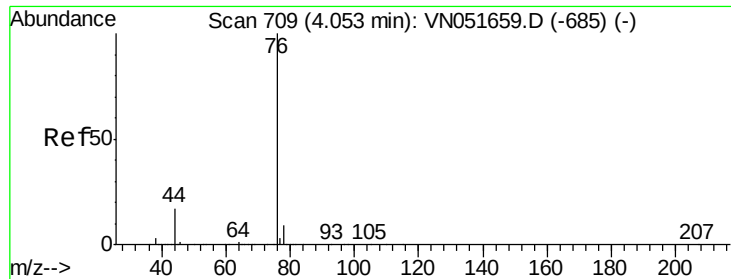
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 10/10/2018 11:48:34 AM



#16
 Acetone
 Concen: 282.600 ug/l
 RT: 3.81 min Scan# 635
 Delta R.T. -0.00 min
 Lab File: VN051719.D
 Acq: 8 Oct 2018 8:18

Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.4	24.3	36.5





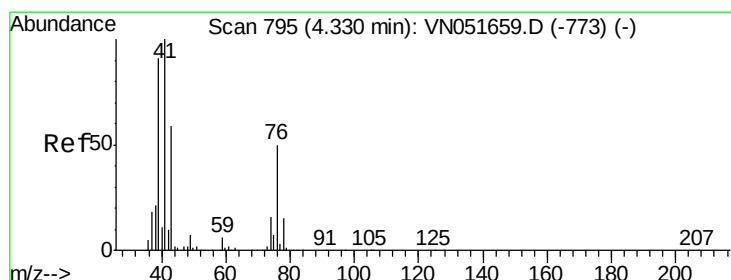
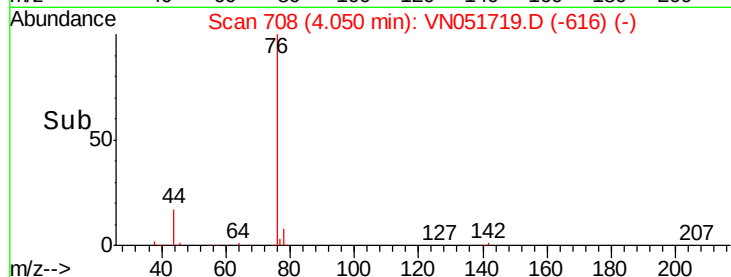
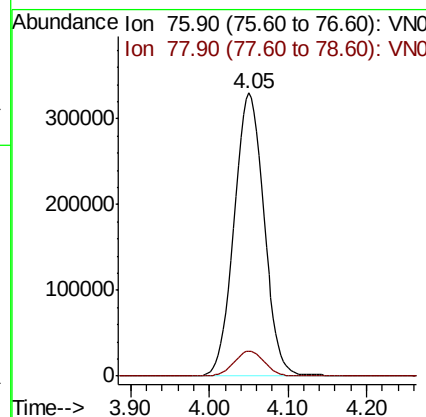
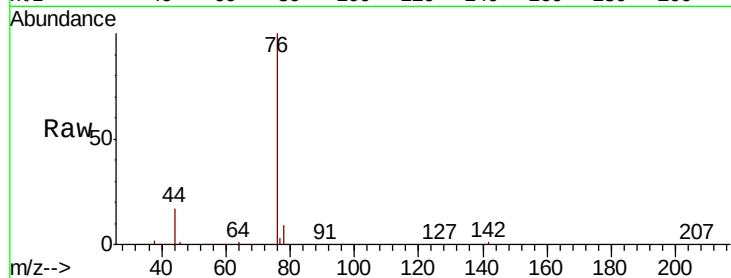
#17
Carbon Disulfide
Concen: 45.968 ug/l
RT: 4.05 min Scan# 708
Delta R.T. -0.00 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.2	10.8

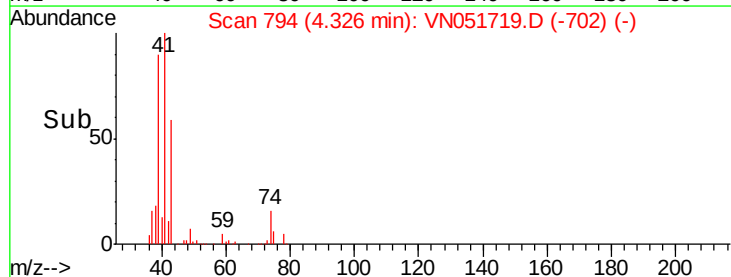
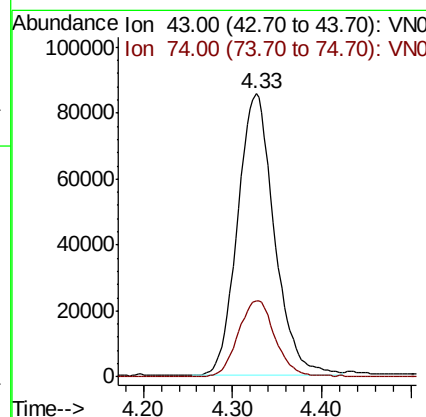
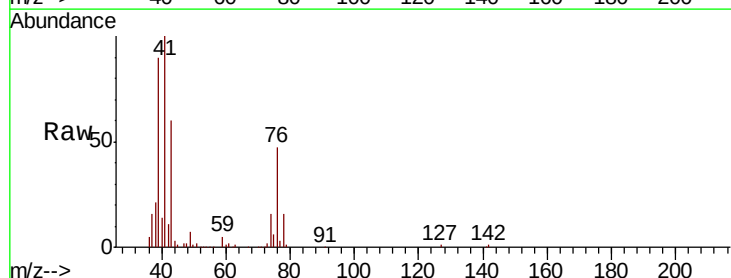
Manual Integrations
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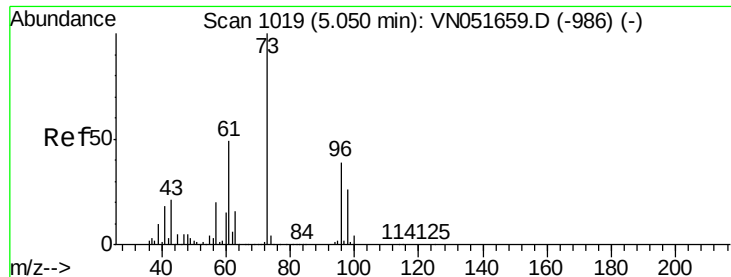
MMDadoda
10/10/2018 11:48:34 AM



#18
Methyl Acetate
Concen: 49.809 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.4	21.5	32.3





#19

Methyl tert-butyl Ether

Concen: 47.167 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN051719.D

Acq: 8 Oct 2018 8:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 73 Resp: 974679

Ion Ratio Lower Upper

73 100

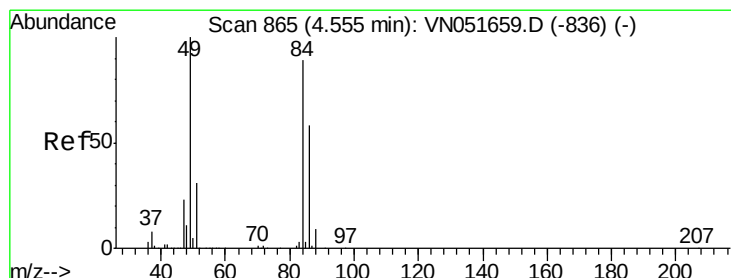
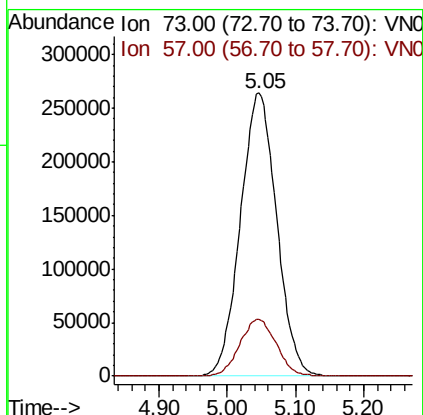
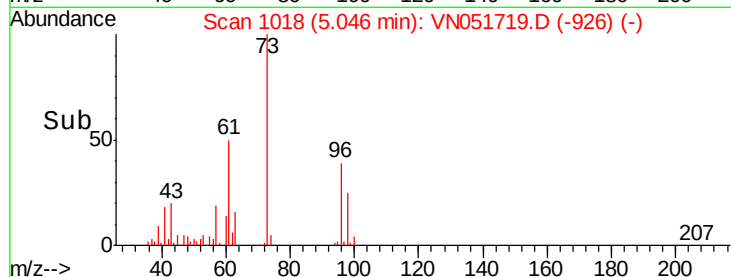
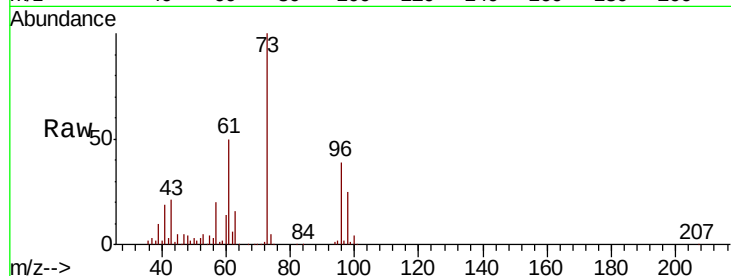
57 19.9 15.6 23.4

Manual Integrations

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#20

Methylene Chloride

Concen: 47.338 ug/l

RT: 4.55 min Scan# 864

Delta R.T. -0.00 min

Lab File: VN051719.D

Acq: 8 Oct 2018 8:18

Tgt Ion: 84 Resp: 345879

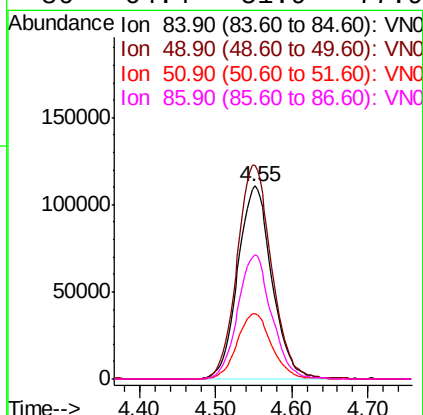
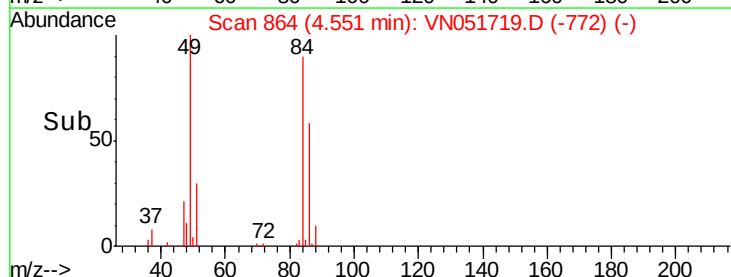
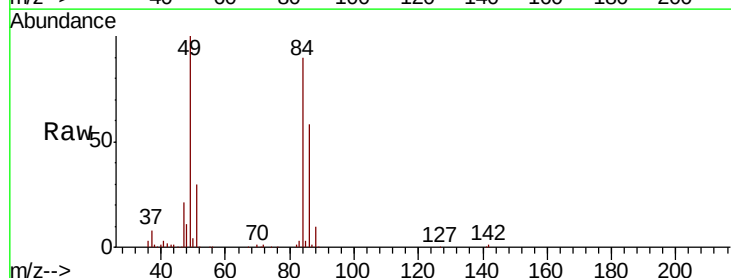
Ion Ratio Lower Upper

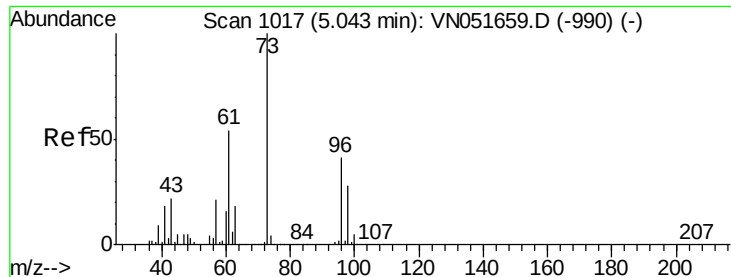
84 100

49 110.7 89.5 134.3

51 33.6 27.4 41.0

86 64.4 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 47.127 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VN051719.D

Acq: 8 Oct 2018 8:18

Instrument :

MSVOA_N

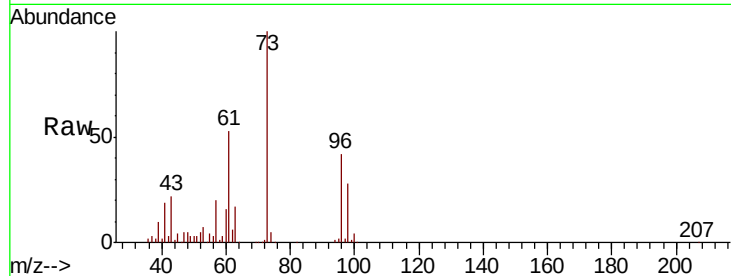
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	349621
Ion	Ratio	Lower	Upper
96	100		
61	127.1	104.7	157.1
98	66.4	54.6	82.0

Manual Integrations
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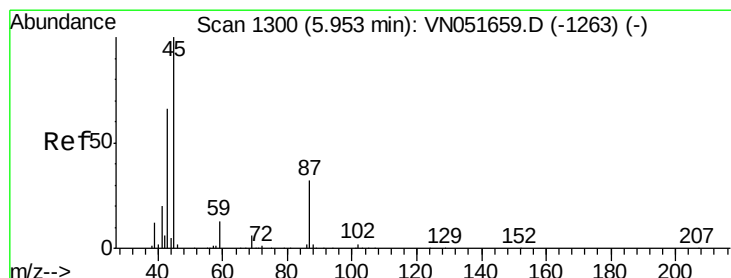
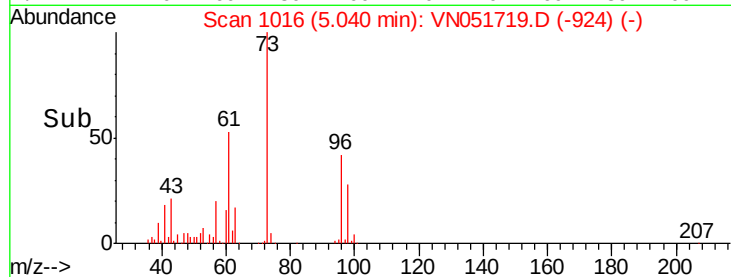
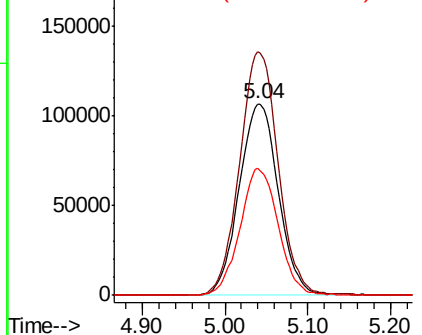


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 47.047 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN051719.D

Acq: 8 Oct 2018 8:18

Tgt Ion:	45	Resp:	962969
Ion	Ratio	Lower	Upper
45	100		
43	68.2	53.0	79.4
87	34.9	26.4	39.6
59	12.4	10.0	15.0

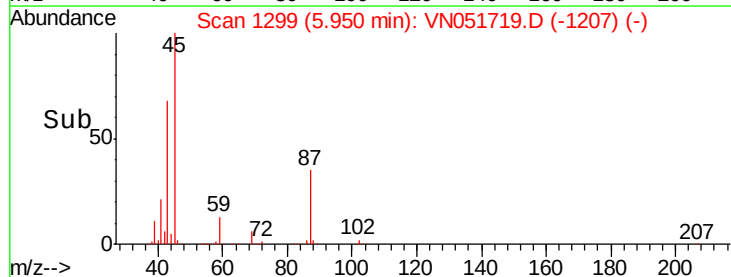
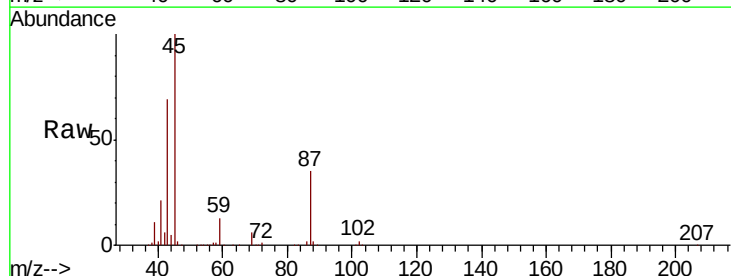
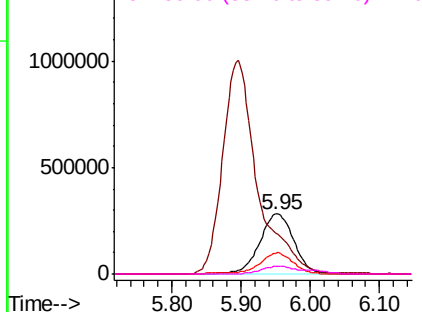
Abundance

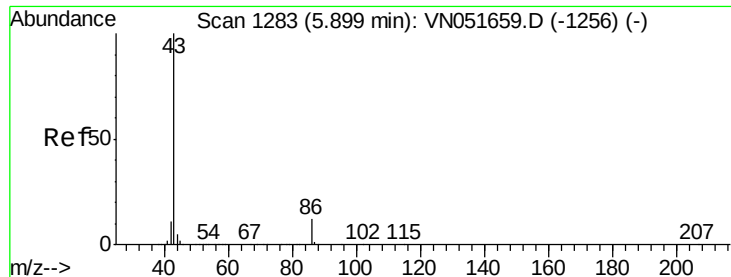
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





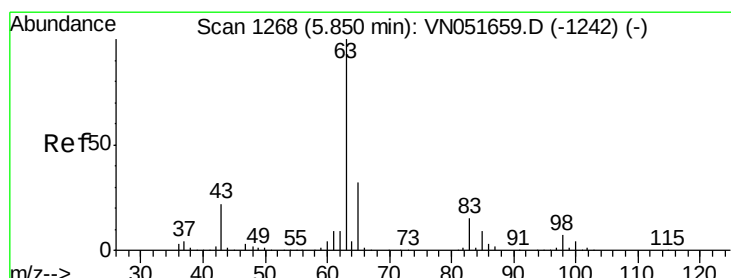
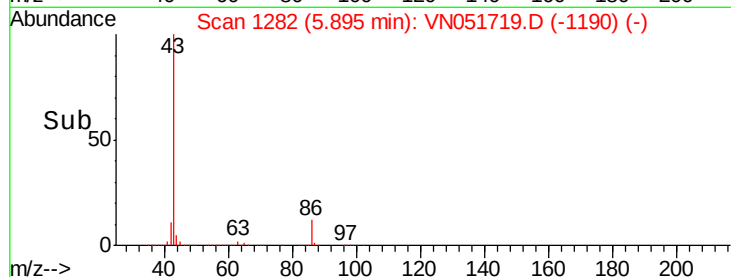
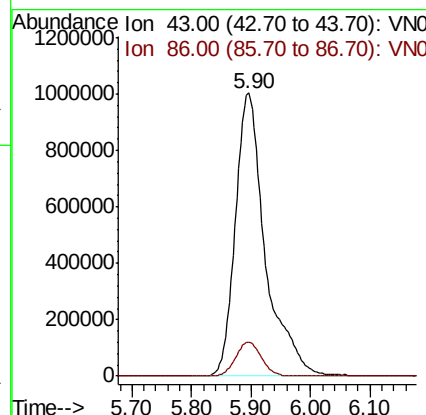
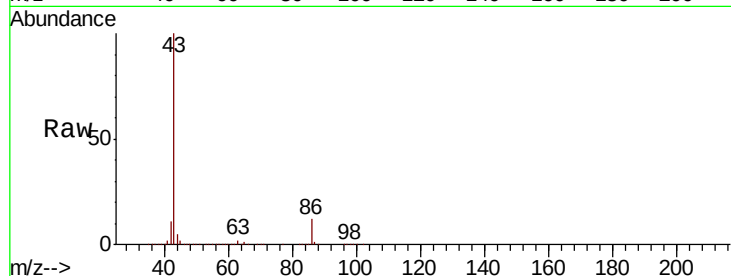
#23
 Vinyl Acetate
 Concen: 233.143 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VN051719.D
 Acq: 8 Oct 2018 8:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 3508757
 Ion Ratio Lower Upper
 43 100
 86 12.0 9.3 13.9

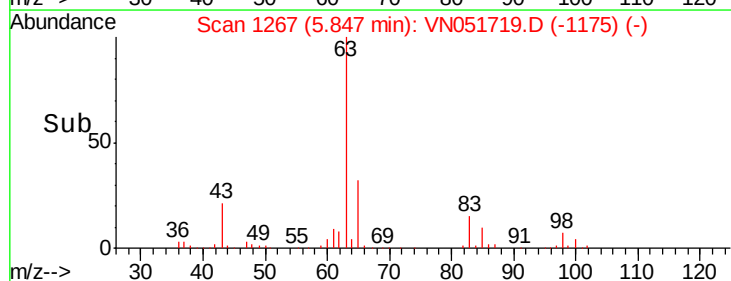
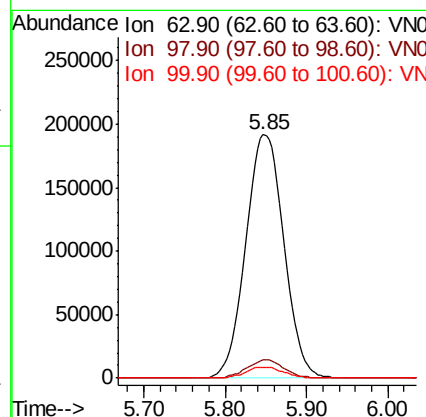
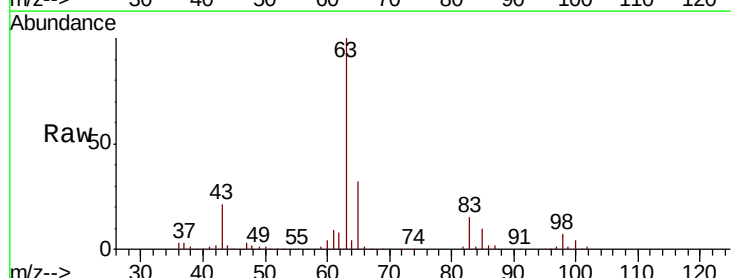
Manual Integrations
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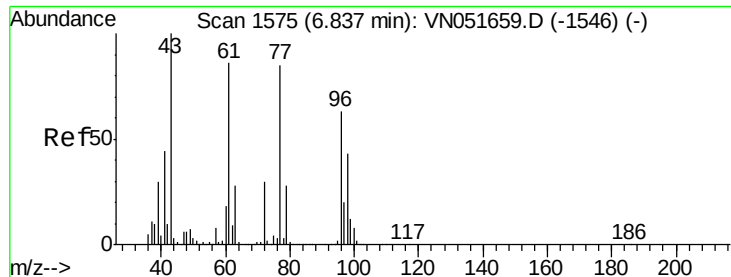
MMDadoda
 10/10/2018 11:48:34 AM



#24
 1,1-Dichloroethane
 Concen: 47.124 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN051719.D
 Acq: 8 Oct 2018 8:18

Tgt Ion: 63 Resp: 620328
 Ion Ratio Lower Upper
 63 100
 98 7.3 3.3 9.9
 100 4.4 2.2 6.6





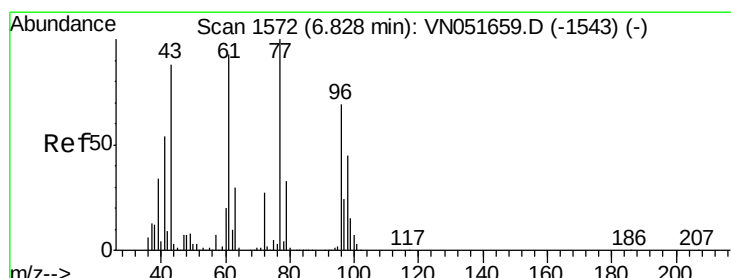
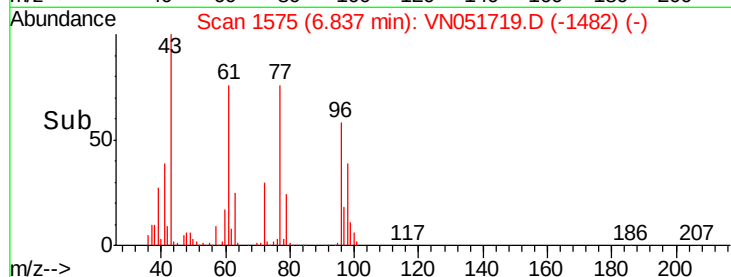
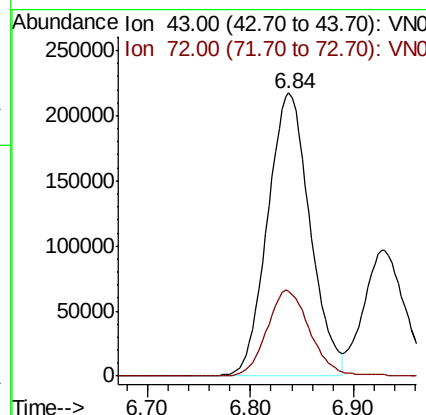
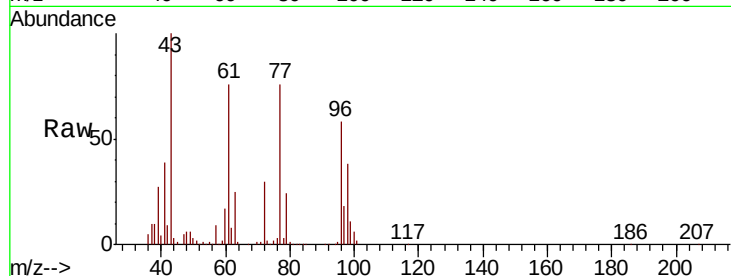
#25
2-Butanone
Concen: 241.764 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	619984
Ion Ratio	100	Lower	Upper
72	30.2	24.2	36.2

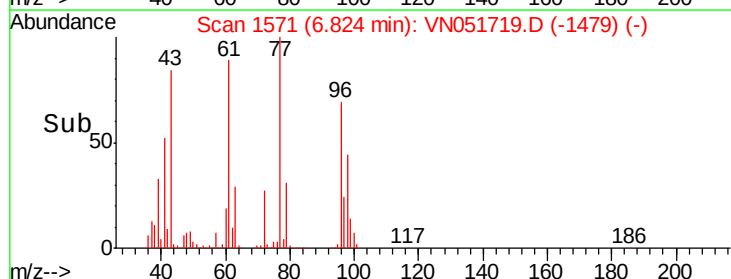
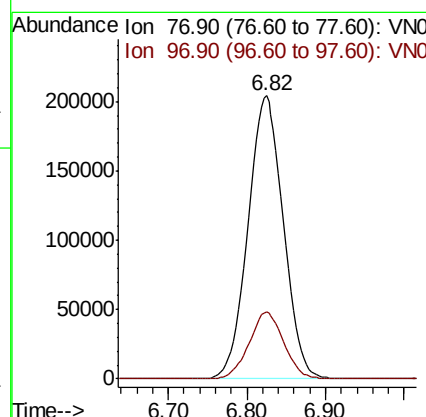
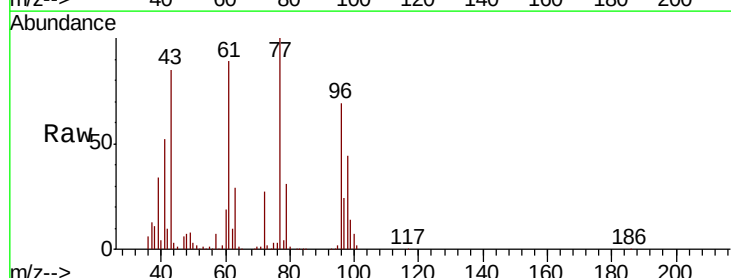
Manual Integrations
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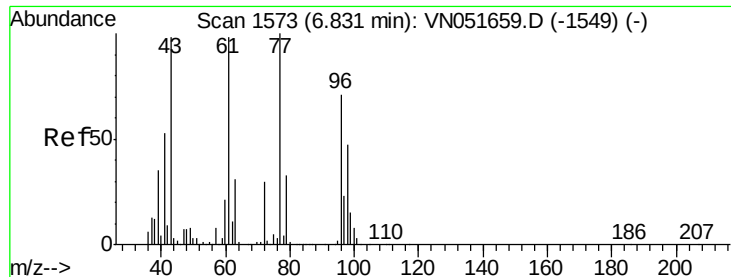
MMDadoda
10/10/2018 11:48:34 AM



#26
2,2-Dichloropropane
Concen: 48.984 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

Tgt Ion	77	Resp	646179
Ion Ratio	100	Lower	Upper
97	23.3	11.3	33.8





#27

cis-1,2-Dichloroethene

Concen: 47.743 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN051719.D

Acq: 8 Oct 2018 8:18

Instrument :

MSVOA_N

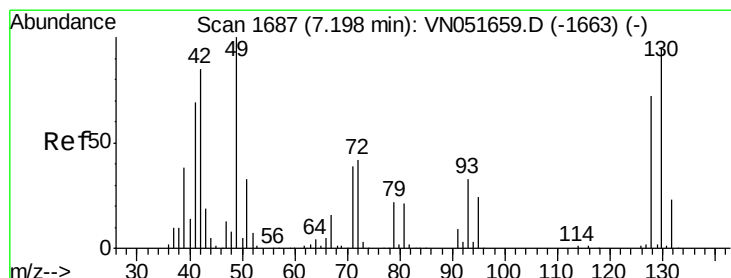
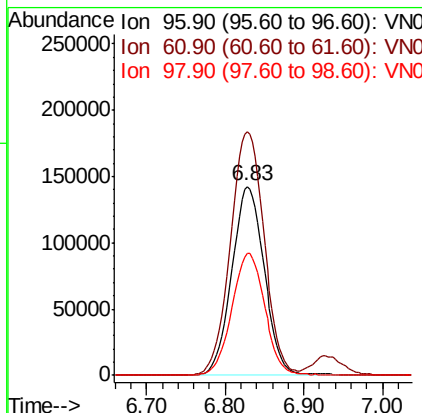
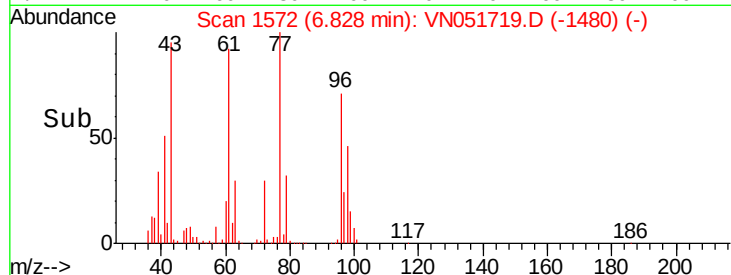
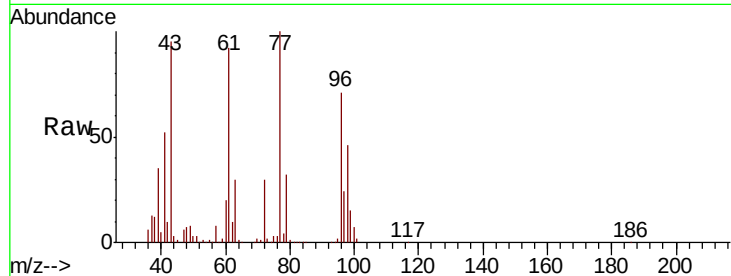
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	411166
Ion	Ratio	Lower	Upper
96	100		
61	133.5	0.0	275.4
98	65.6	0.0	129.6

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10/10/2018 11:48:34 AM



#28

Bromochloromethane

Concen: 44.656 ug/l

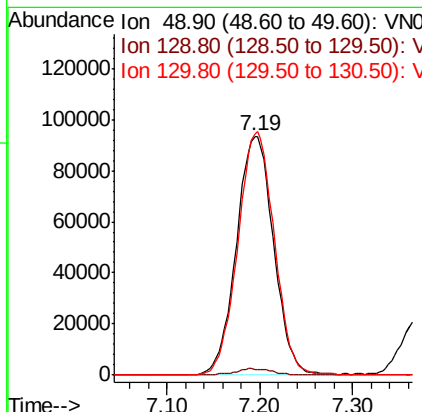
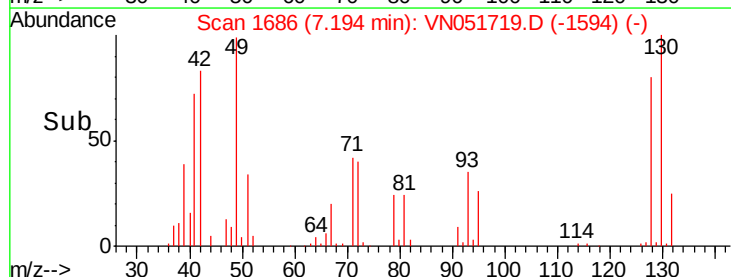
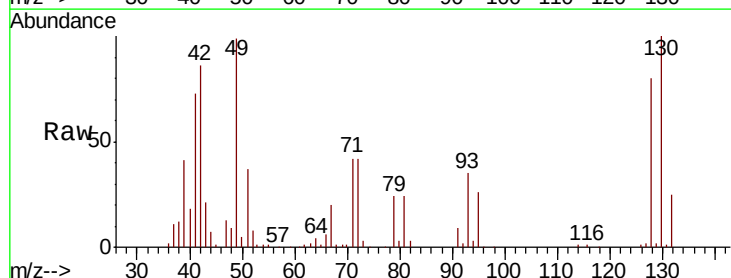
RT: 7.19 min Scan# 1686

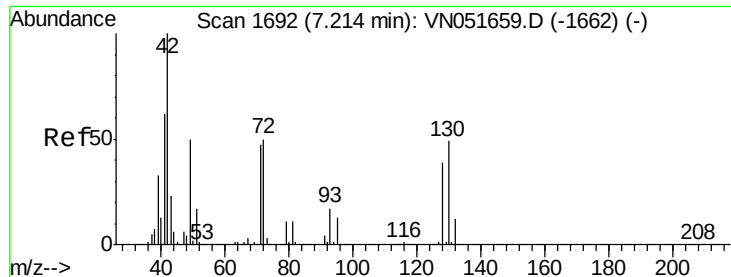
Delta R.T. -0.00 min

Lab File: VN051719.D

Acq: 8 Oct 2018 8:18

Tgt Ion:	49	Resp:	260247
Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	4.8
130	99.7	75.7	113.5





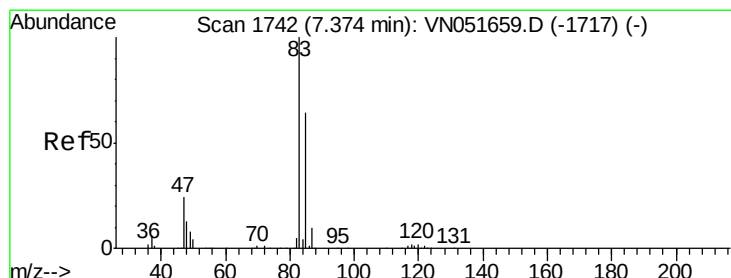
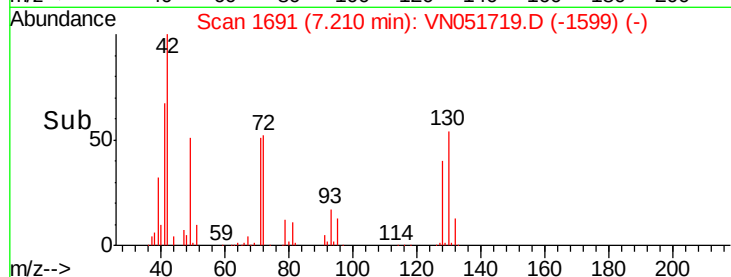
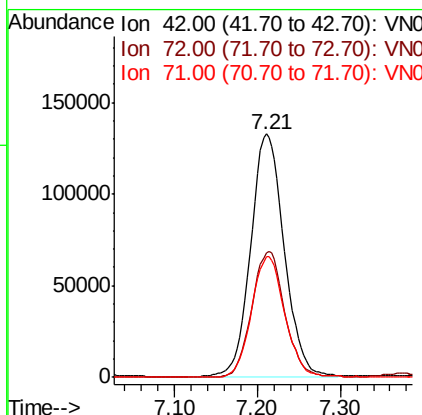
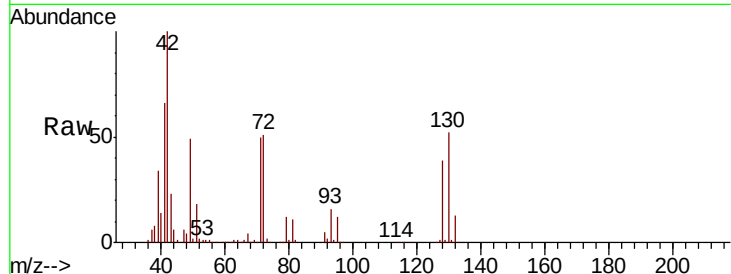
#29
Tetrahydrofuran
Concen: 236.043 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.0	40.1	60.1
71	49.3	38.0	57.0

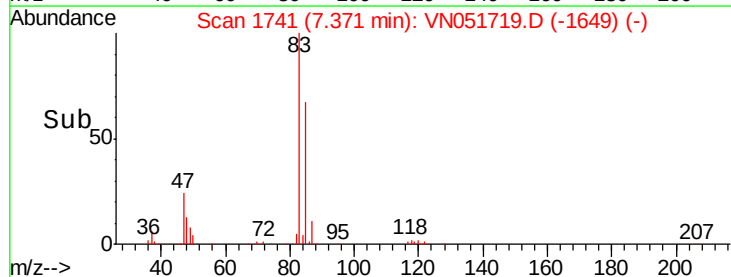
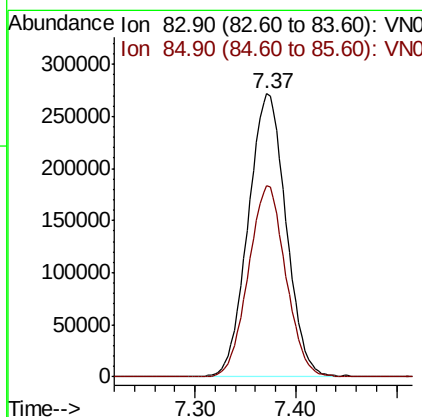
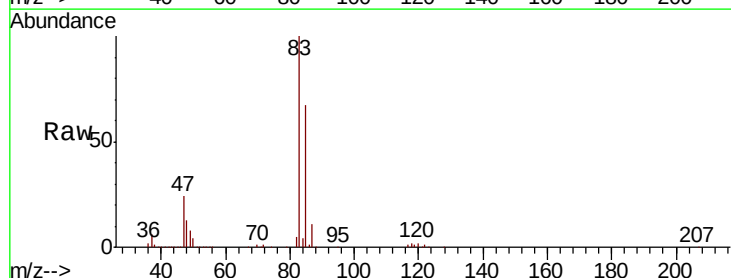
Manual Integrations
APPROVED

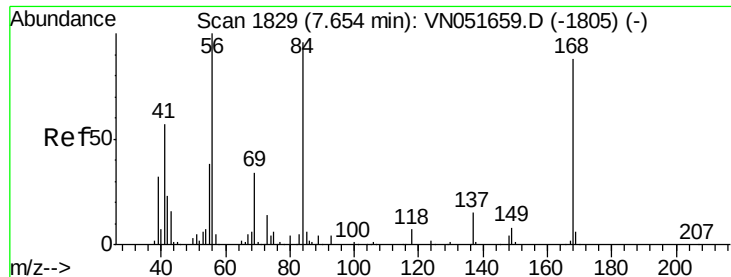
MMDadoda
10/10/2018 11:48:34 AM



#30
Chloroform
Concen: 47.802 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.4	51.6	77.4





#31

Cyclohexane

Concen: 46.543 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN051719.D

Acq: 8 Oct 2018 8:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 561098

Ion Ratio Lower Upper

56 100

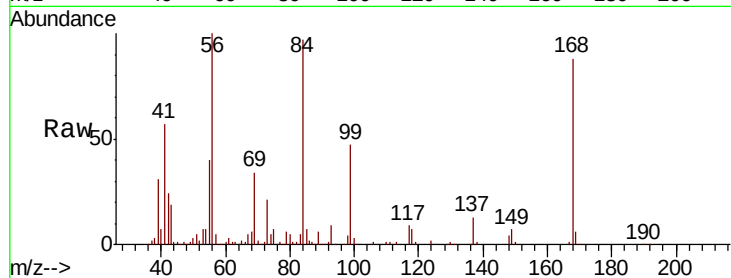
69 34.5 27.5 41.3

84 95.2 76.7 115.1

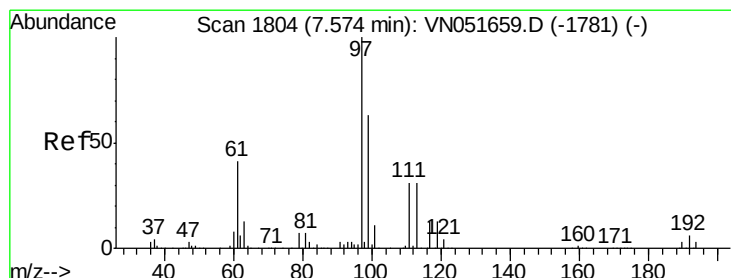
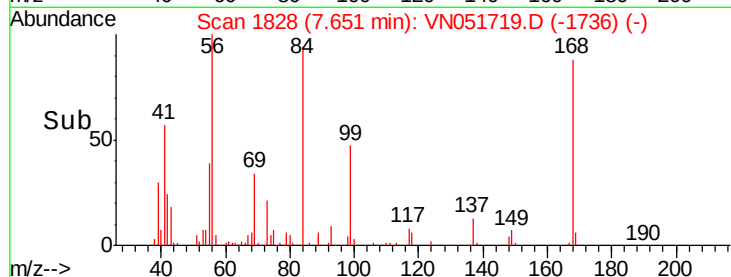
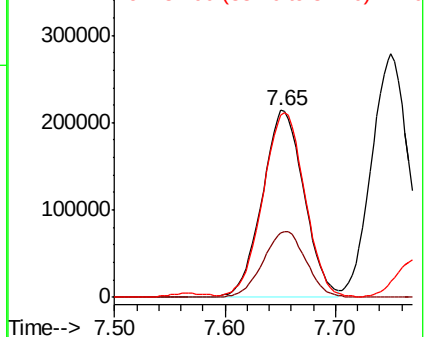
Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 48.316 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN051719.D

Acq: 8 Oct 2018 8:18

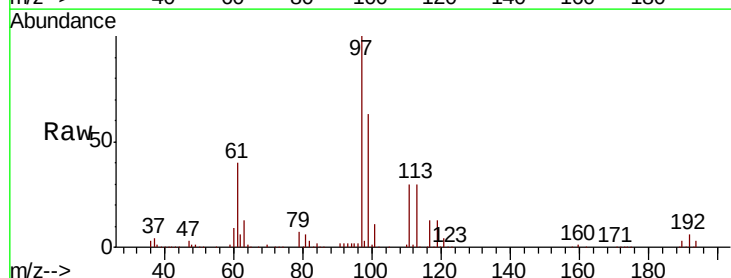
Tgt Ion: 97 Resp: 692646

Ion Ratio Lower Upper

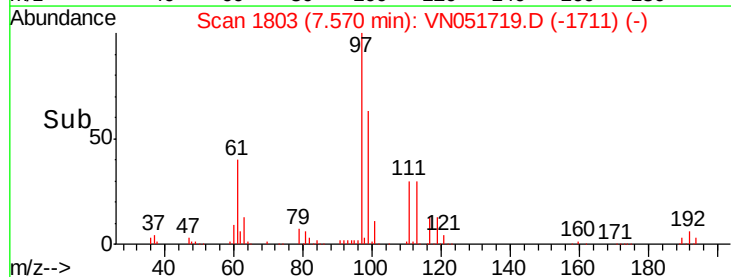
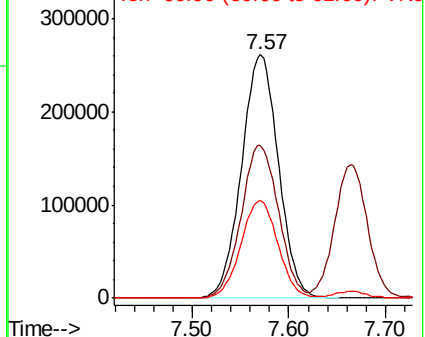
97 100

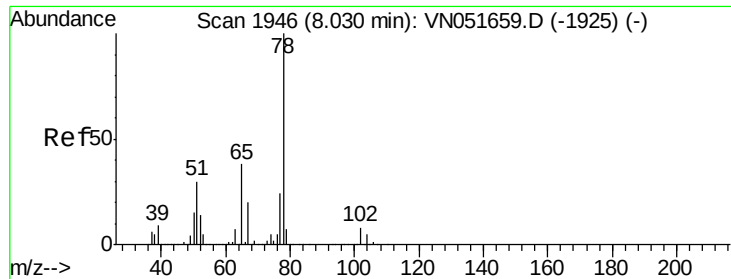
99 63.8 51.9 77.9

61 40.3 33.4 50.0



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO





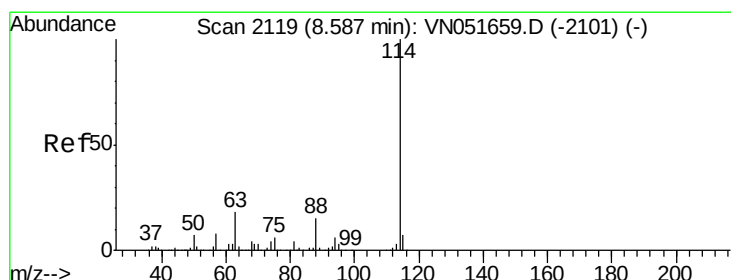
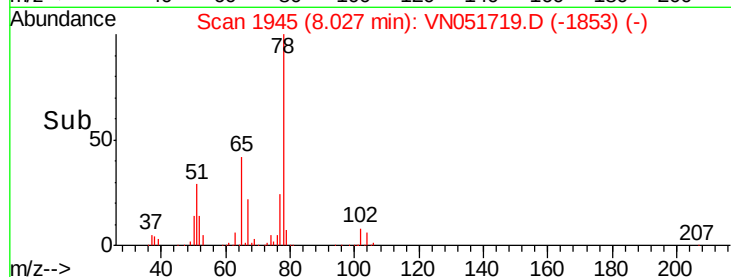
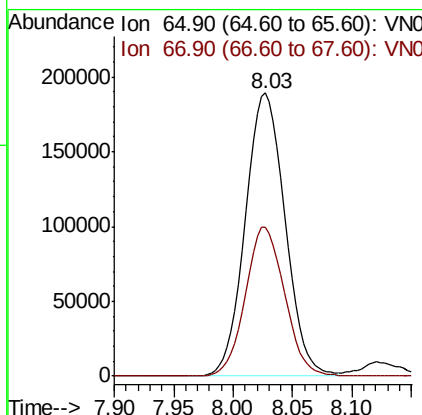
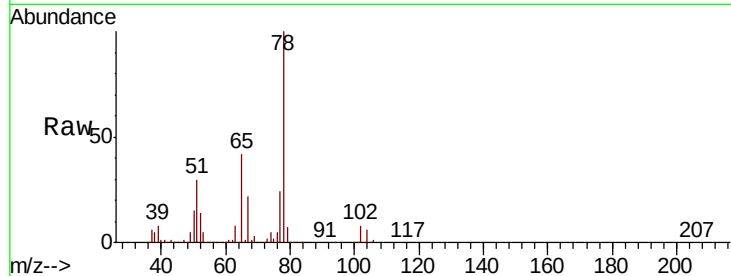
#33
 1,2-Dichloroethane-d4
 Concen: 48.316 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051719.D
 Acq: 8 Oct 2018 8:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	438655		
67	52.0	0.0	103.6	

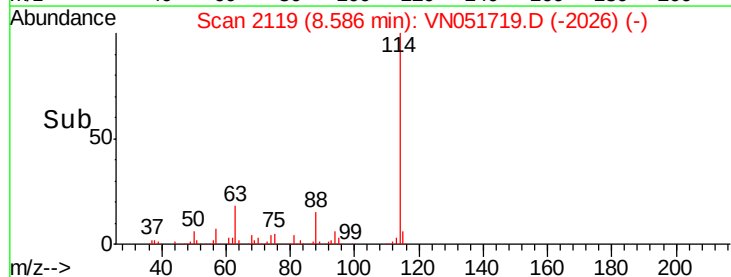
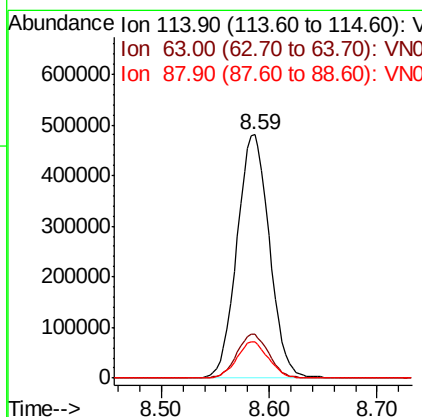
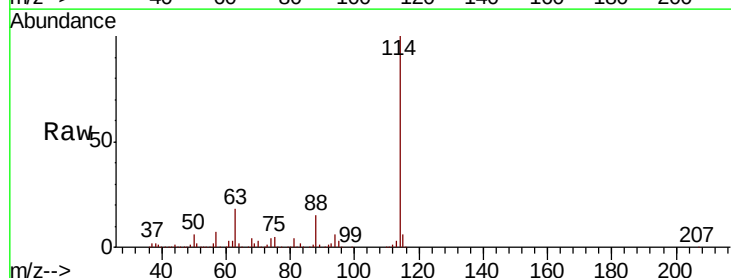
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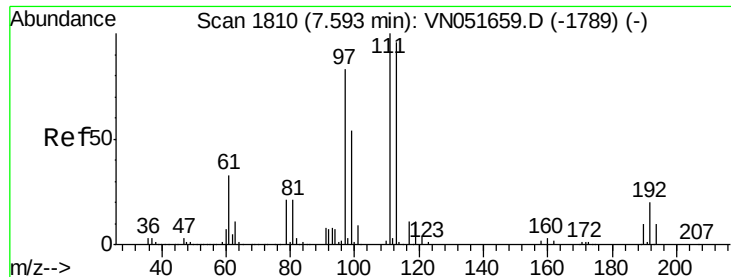
MMDadoda
 10/10/2018 11:48:34 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051719.D
 Acq: 8 Oct 2018 8:18

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1007429		
63	17.9	0.0	36.2	
88	14.8	0.0	30.2	





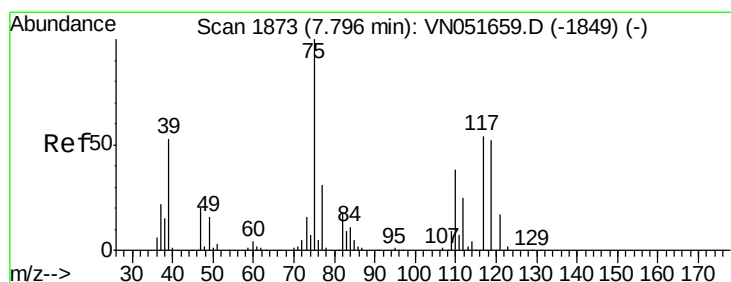
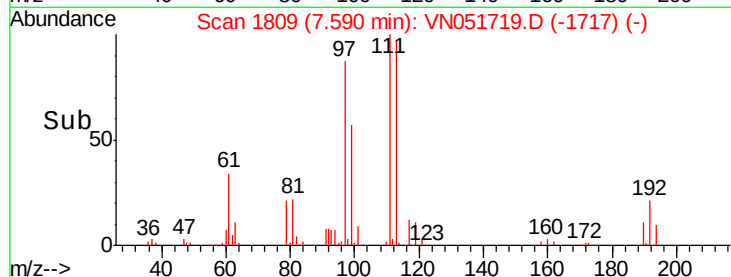
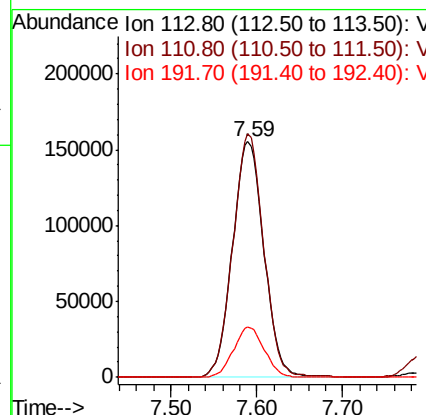
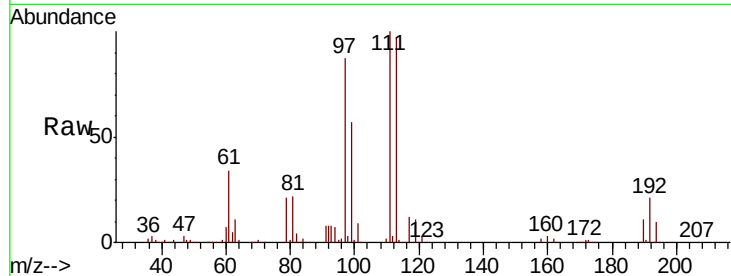
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN051719.D
 Acq: 8 Oct 2018 8:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	394186		
111	101.0	81.8	122.8	
192	20.8	16.5	24.7	

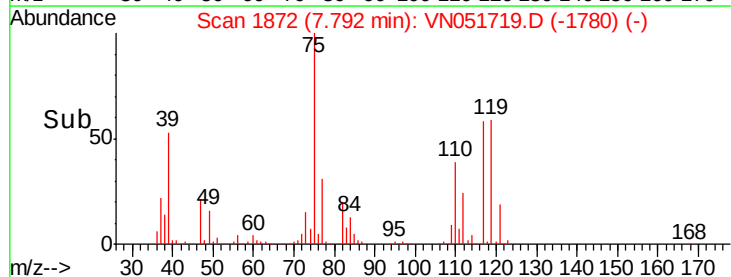
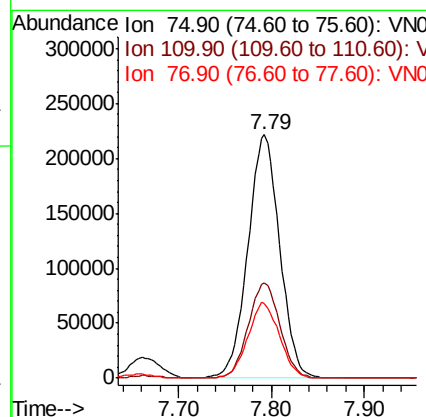
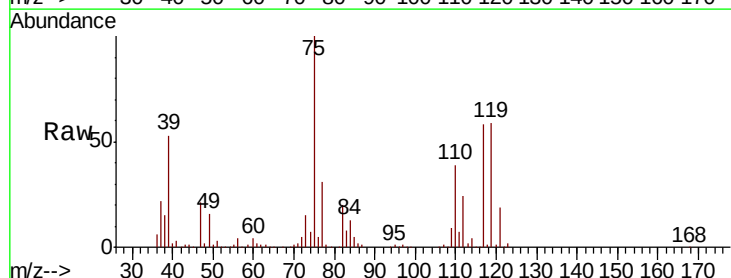
Manual Integrations
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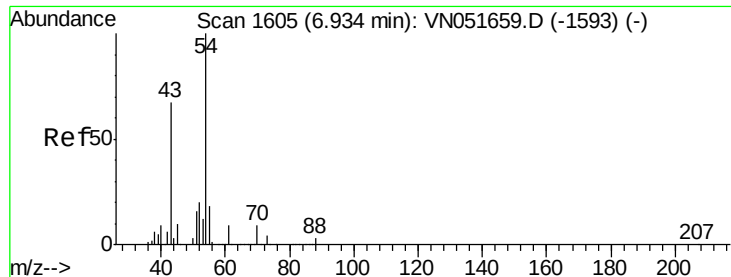
MMDadoda
 10/10/2018 11:48:34 AM



#36
 1,1-Dichloropropene
 Concen: 49.841 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051719.D
 Acq: 8 Oct 2018 8:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	524836		
110	39.2	19.3	57.8	
77	30.8	24.7	37.1	





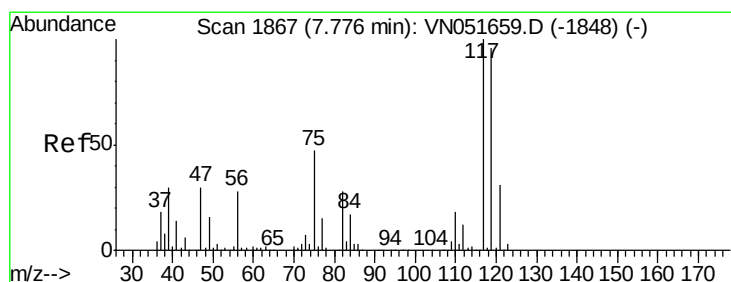
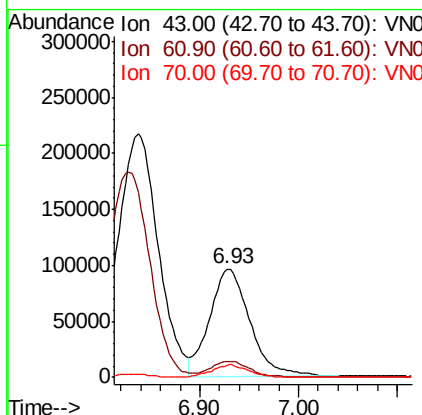
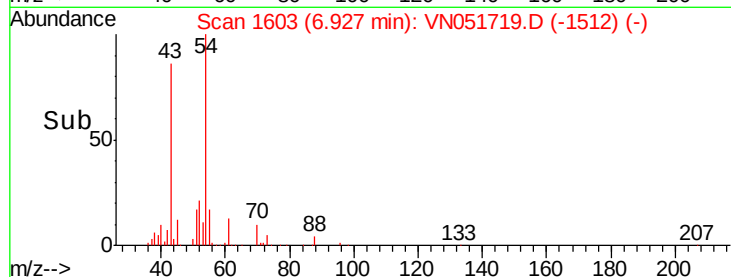
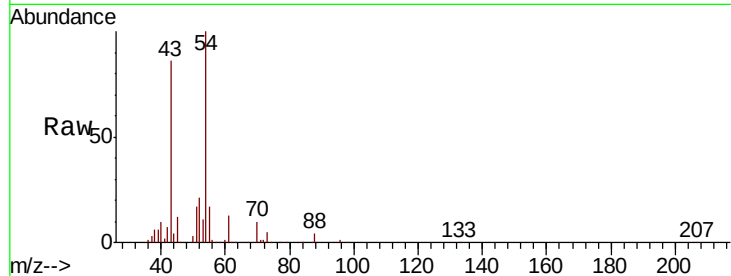
#37
Ethyl Acetate
Concen: 49.735 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.8	17.6
70	11.0	8.7	13.1

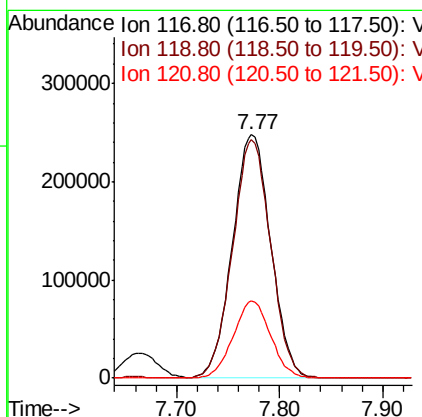
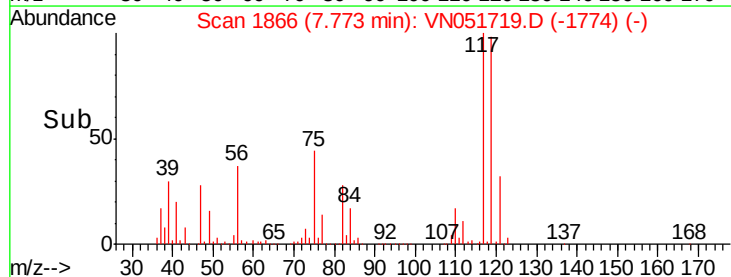
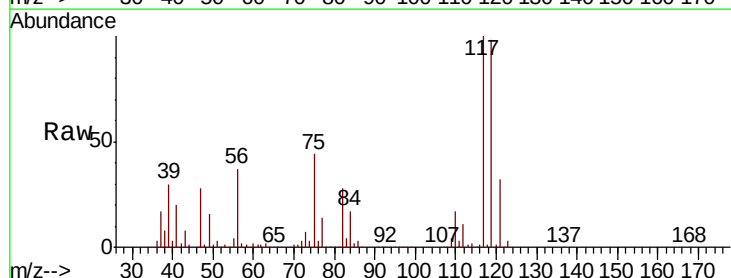
Manual Integrations
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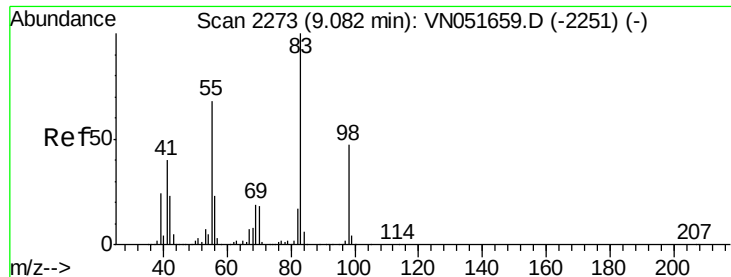
MMDadoda
10/10/2018 11:48:34 AM



#38
Carbon Tetrachloride
Concen: 50.553 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.2	77.0	115.6
121	32.0	25.0	37.6





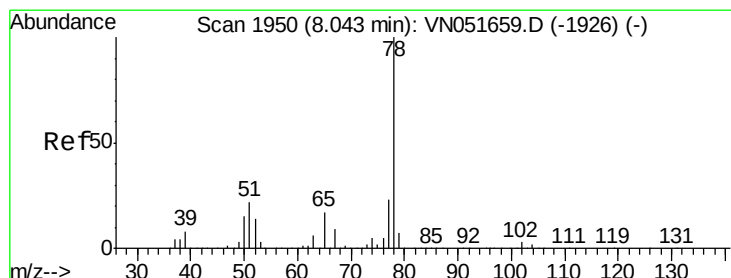
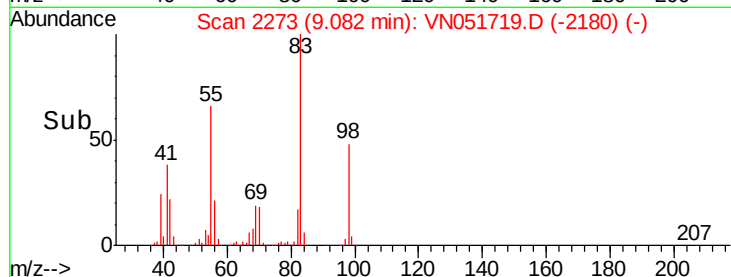
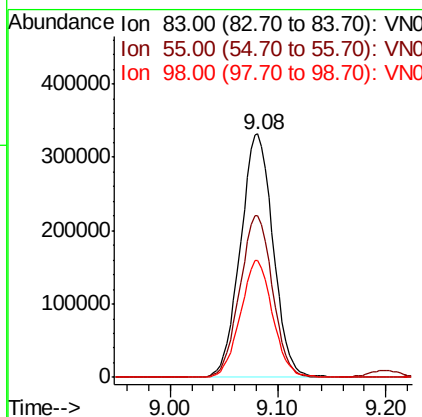
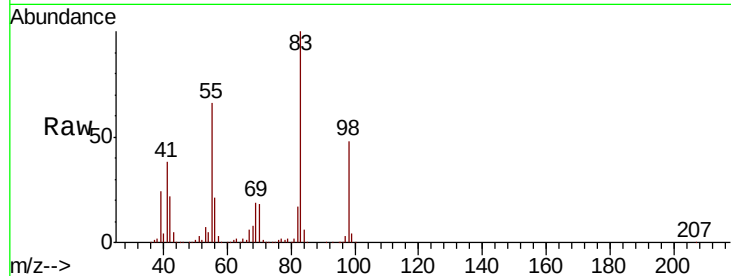
#39
Methylvlcyclohexane
Concen: 52.784 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	66.1	54.3	81.5
98	47.9	37.4	56.2

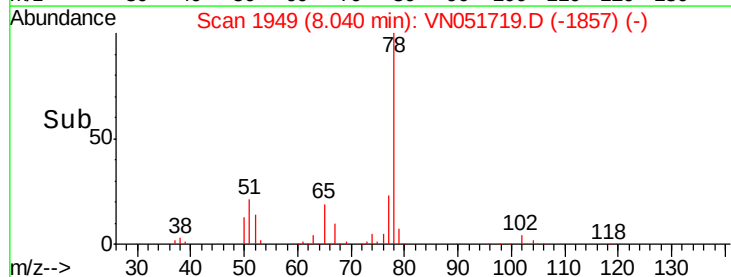
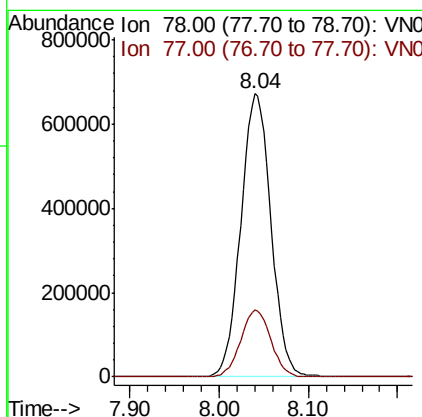
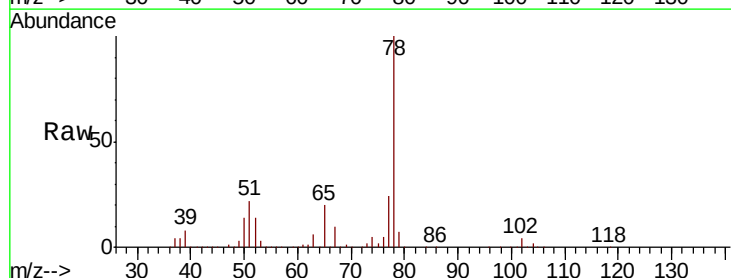
Manual Integrations
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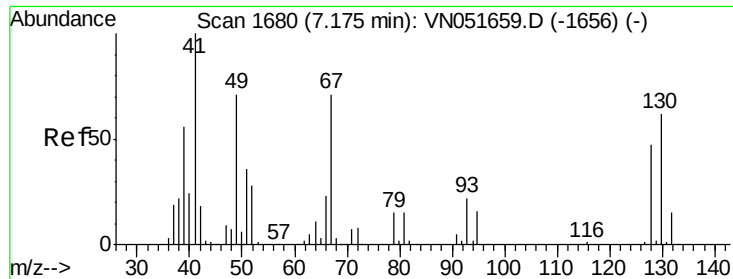
MMDadoda
10/10/2018 11:48:34 AM



#40
Benzene
Concen: 50.519 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.5	27.7





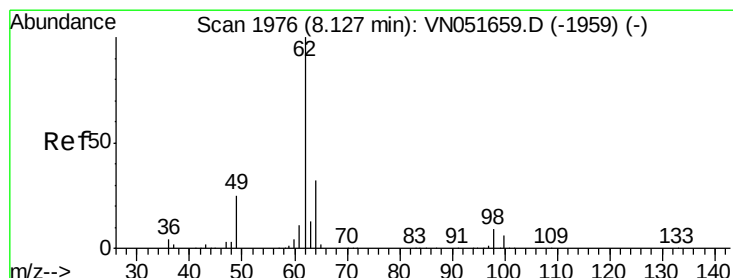
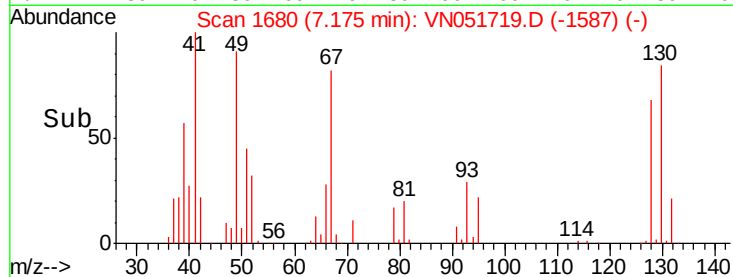
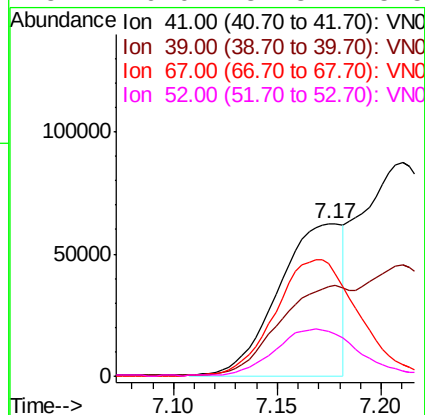
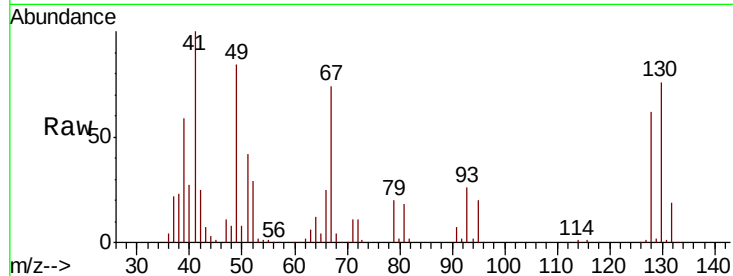
#41
Methacrylonitrile
Concen: 47.294 ug/l m
RT: 7.17 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	53.9	80.9#
67	0.0	78.1	117.1#
52	0.0	32.3	48.5#

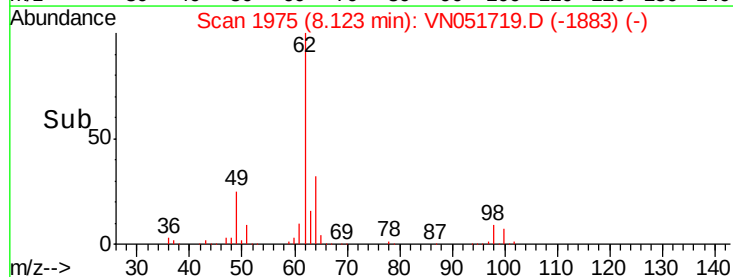
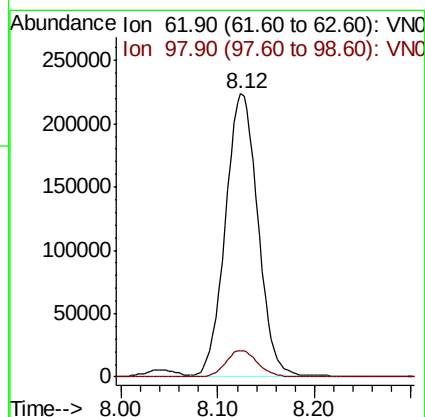
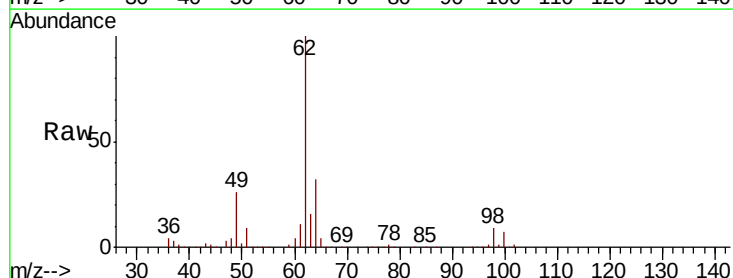
Manual Integrations
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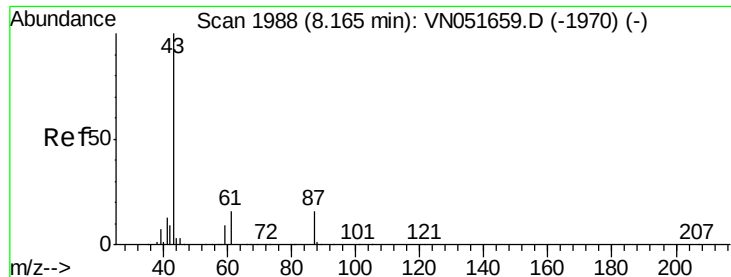
MMDadoda
10/10/2018 11:48:34 AM



#42
1,2-Dichloroethane
Concen: 49.532 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.4





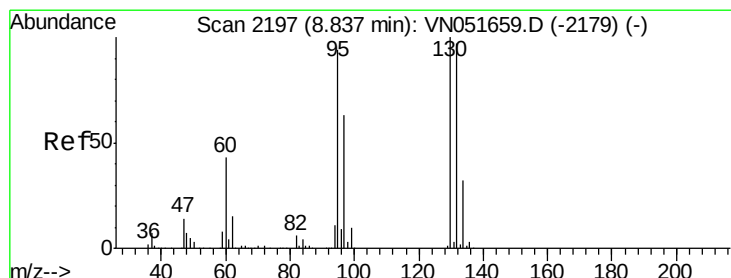
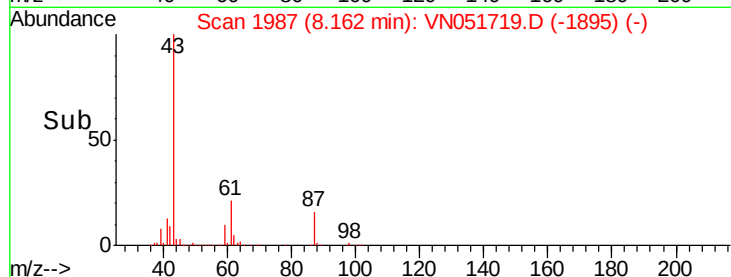
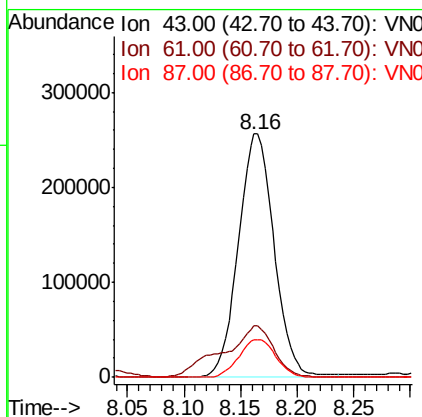
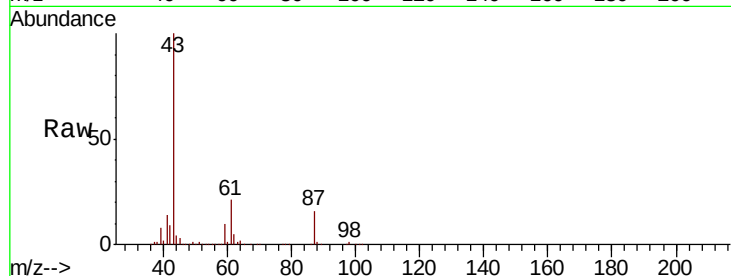
#43
Isopropyl Acetate
Concen: 49.028 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.7	15.8	23.6#
87	16.3	12.6	19.0

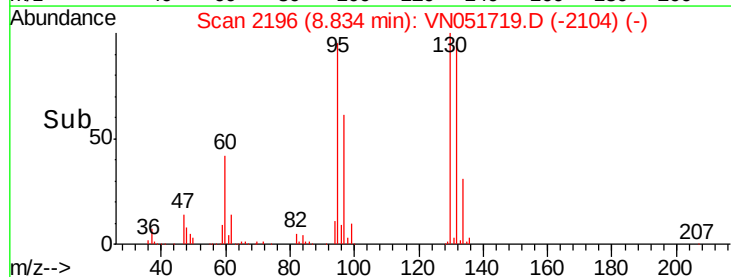
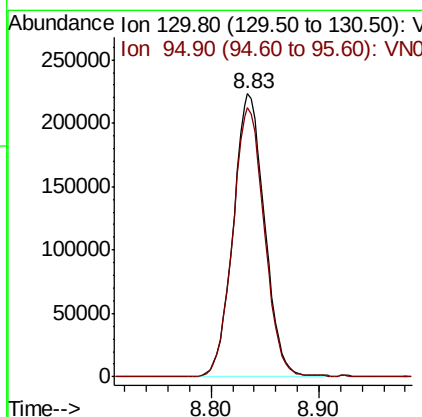
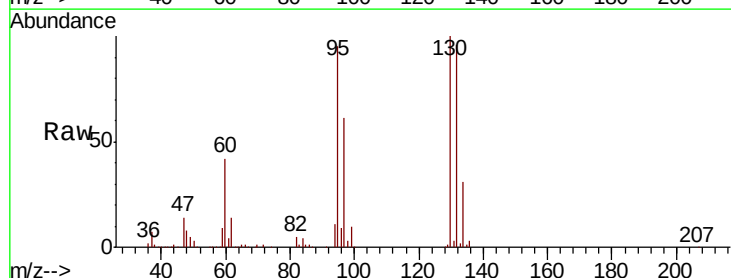
Manual Integrations
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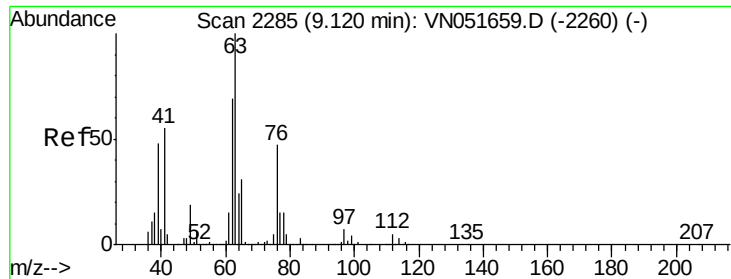
MMDadoda
10/10/2018 11:48:34 AM



#44
Trichloroethene
Concen: 51.137 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.0	0.0	188.0





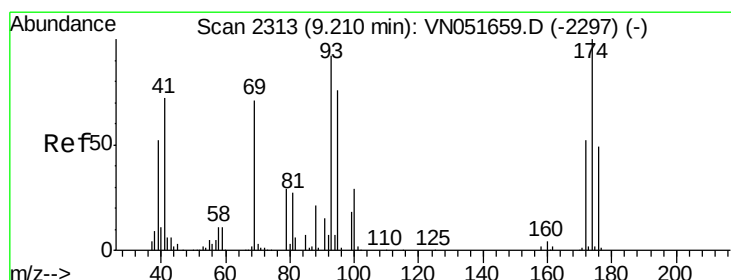
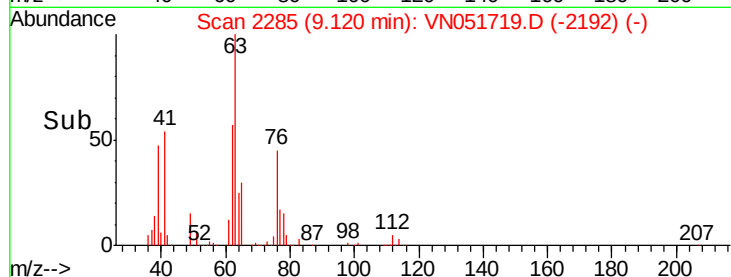
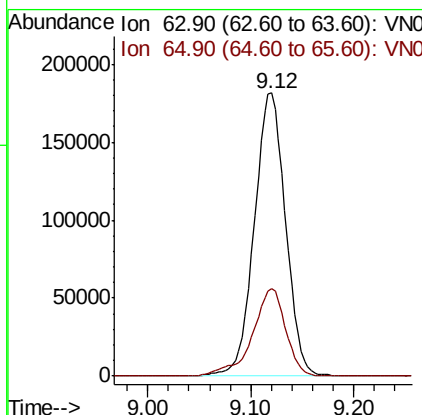
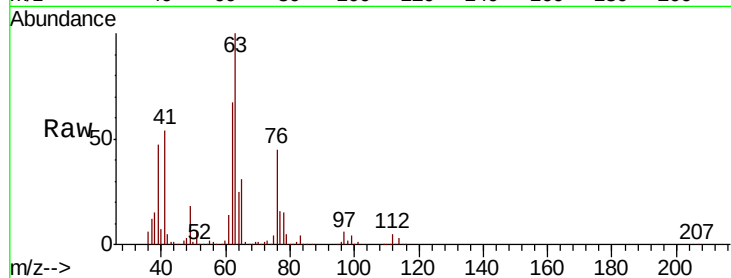
#45
 1,2-Dichloropropane
 Concen: 49.264 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN051719.D
 Acq: 8 Oct 2018 8:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 380214
 Ion Ratio Lower Upper
 63 100
 65 30.7 25.0 37.4

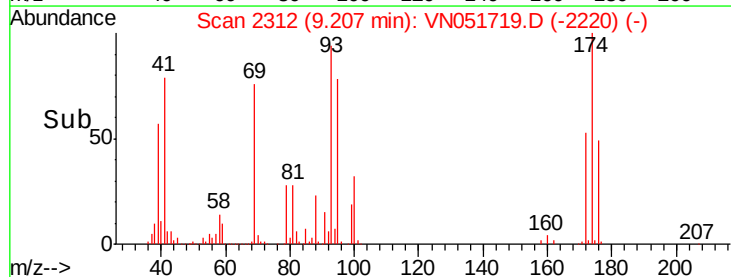
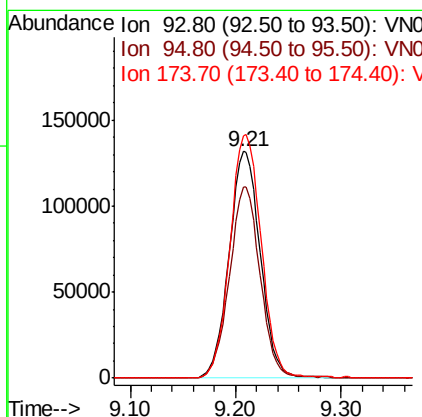
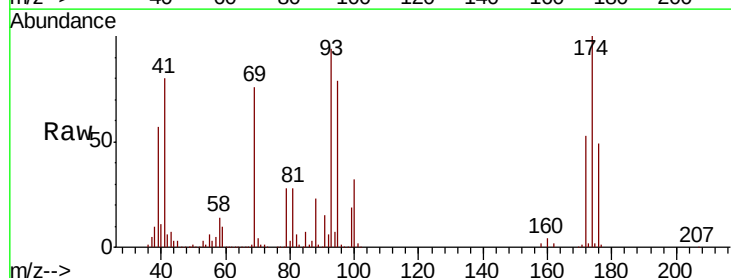
Manual Integrations
 APPROVED

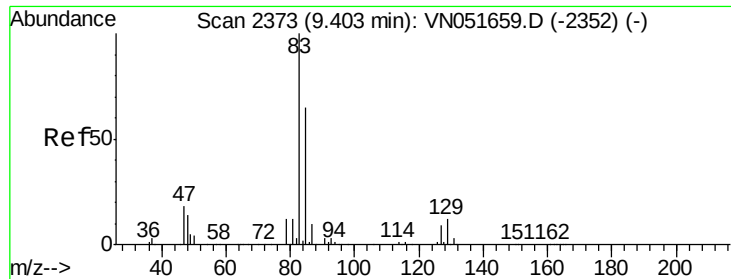
MMDadoda
 10/10/2018 11:48:34 AM



#46
 Dibromomethane
 Concen: 50.272 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN051719.D
 Acq: 8 Oct 2018 8:18

Tgt Ion: 93 Resp: 269687
 Ion Ratio Lower Upper
 93 100
 95 82.8 66.6 100.0
 174 107.5 85.9 128.9





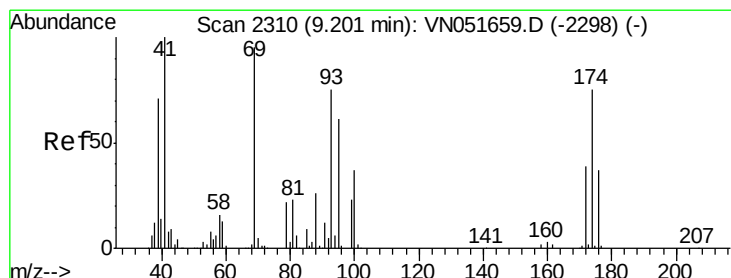
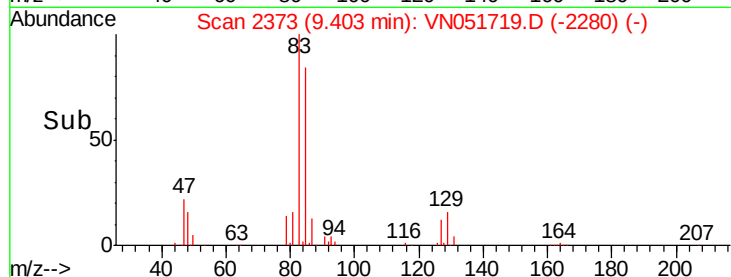
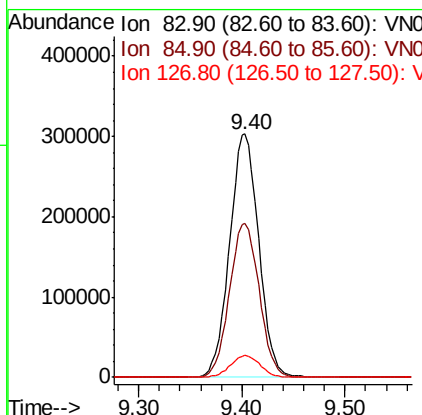
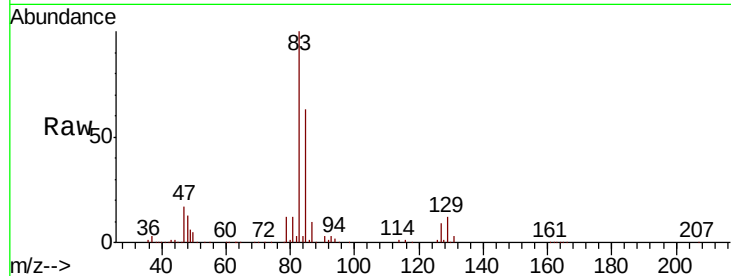
#47
Bromodichloromethane
Concen: 50.544 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	596890		
85	63.1	51.6	77.4	
127	8.9	7.3	10.9	

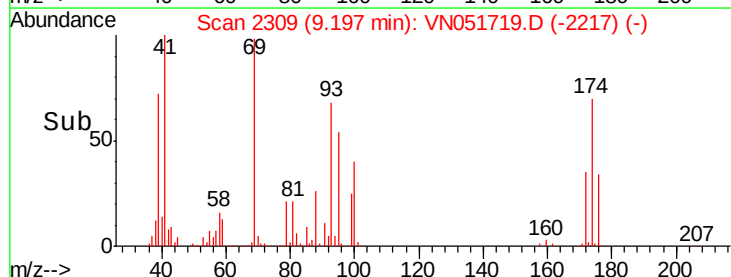
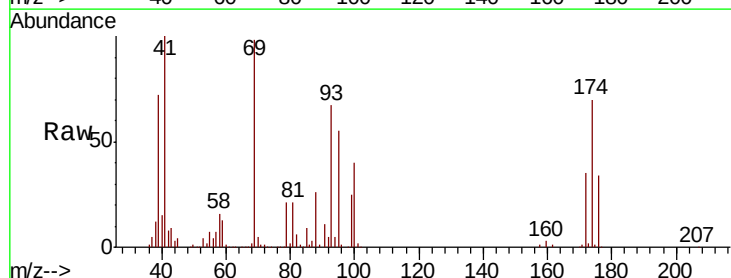
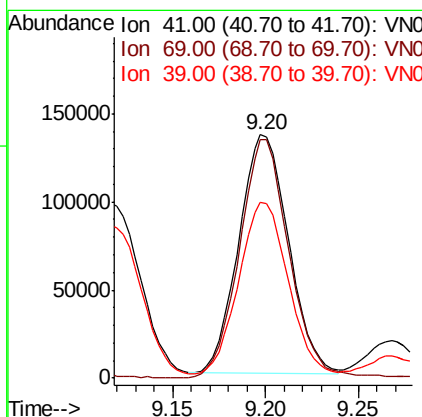
Manual Integrations
APPROVED

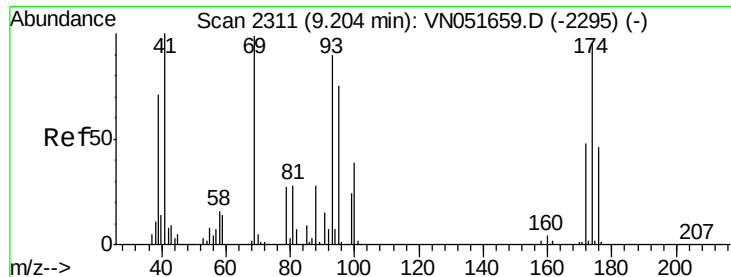
MMDadoda
10/10/2018 11:48:34 AM



#48
Methyl methacrylate
Concen: 48.127 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	251810		
69	99.9	78.6	118.0	
39	71.6	59.2	88.8	





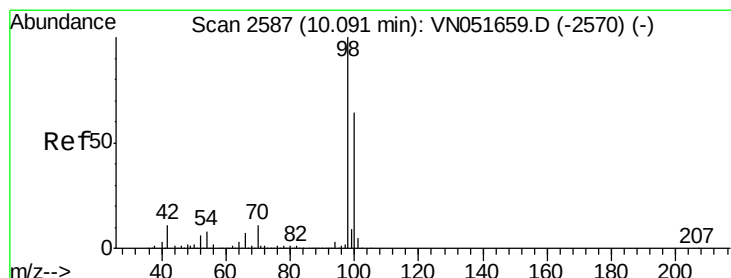
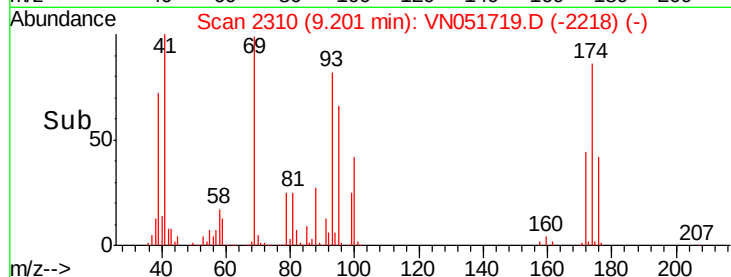
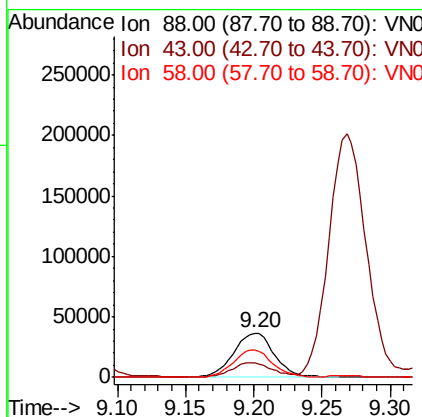
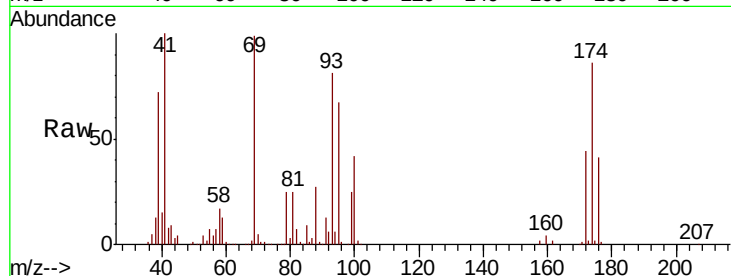
#49
1,4-Dioxane
Concen: 970.978 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	76178
Ion	Ratio	Lower	Upper
88	100		
43	30.0	24.5	36.7
58	59.7	47.6	71.4

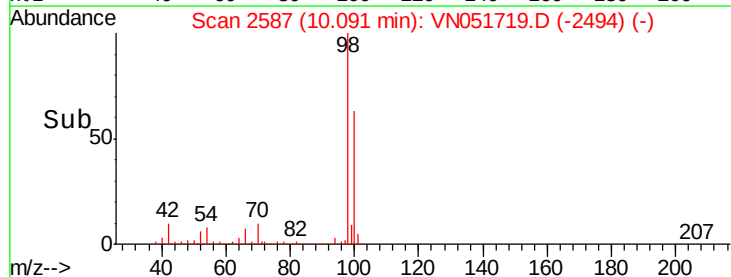
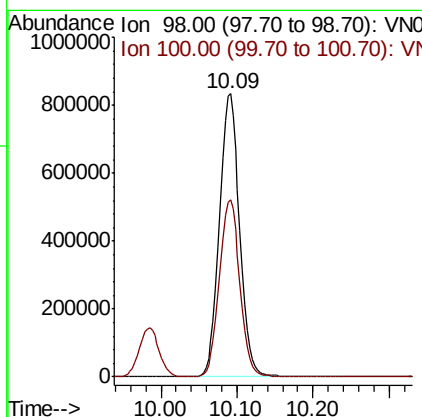
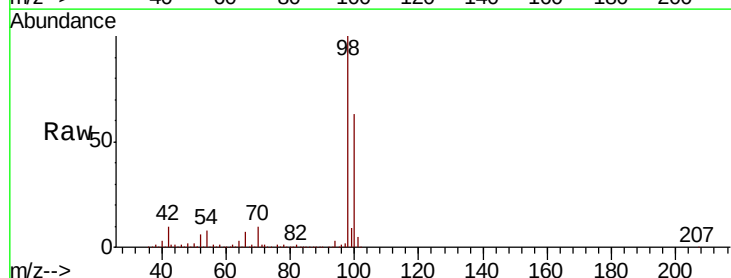
Manual Integrations
APPROVED

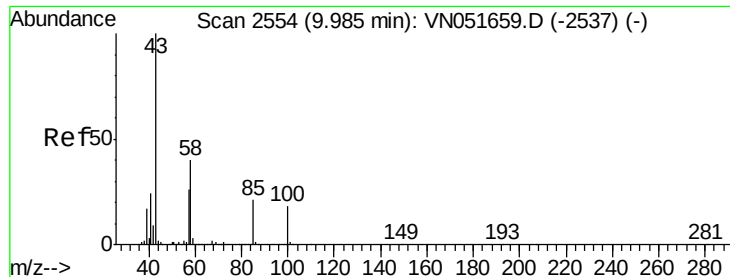
MMDadoda
10/10/2018 11:48:34 AM



#50
Toluene-d8
Concen: 970.978 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

Tgt Ion	98	Resp	1535996
Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 246.978 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN051719.D

Acq: 8 Oct 2018 8:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1433019

Ion Ratio Lower Upper

43 100

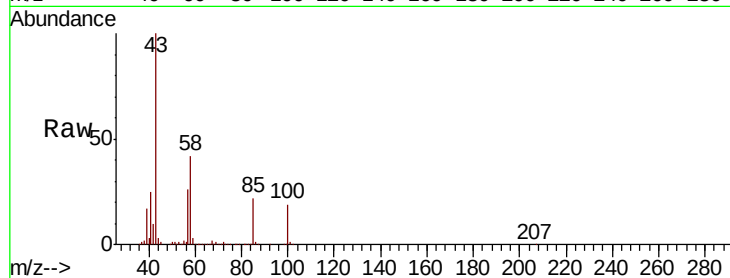
58 41.0 32.2 48.2

Manual Integrations

APPROVED

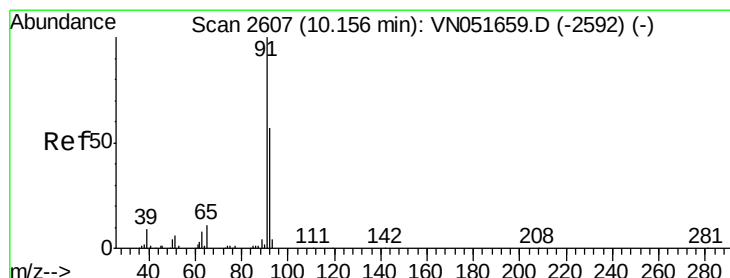
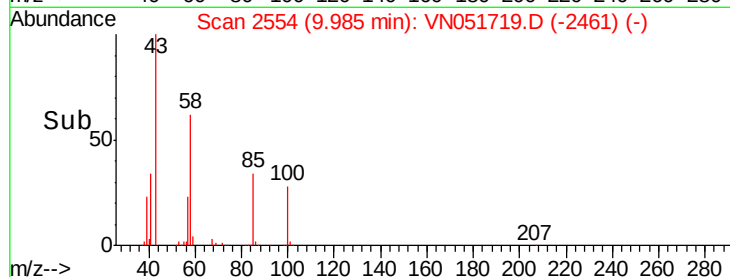
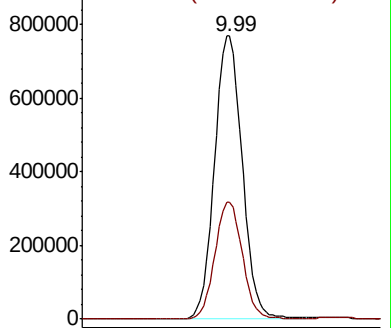
MMDadoda

10/10/2018 11:48:34 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 53.304 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051719.D

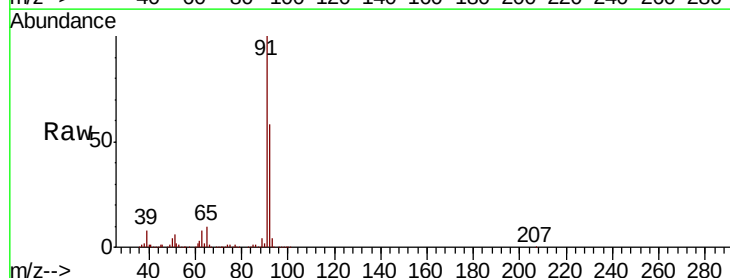
Acq: 8 Oct 2018 8:18

Tgt Ion: 92 Resp: 1106697

Ion Ratio Lower Upper

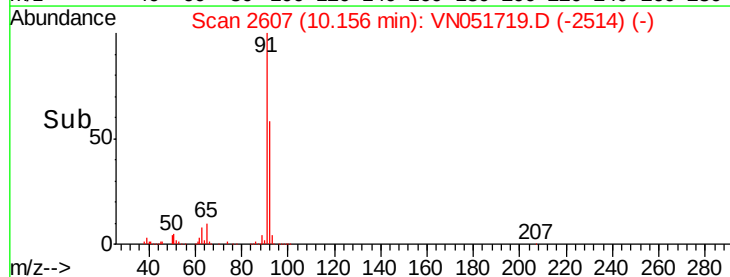
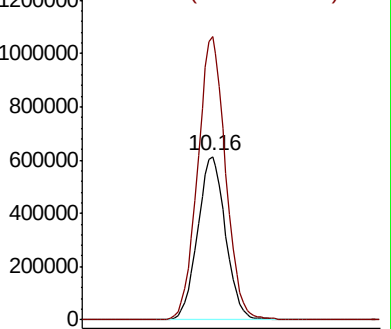
92 100

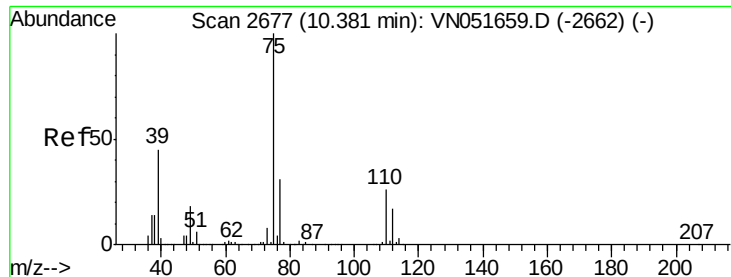
91 173.8 140.3 210.5



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





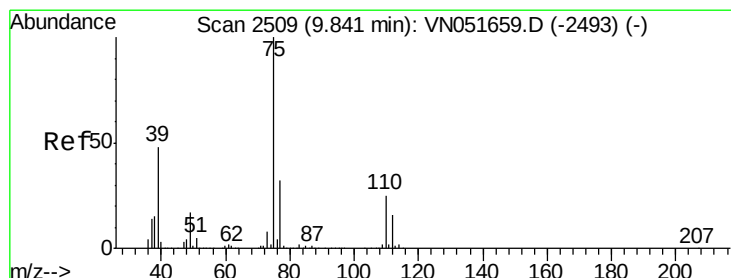
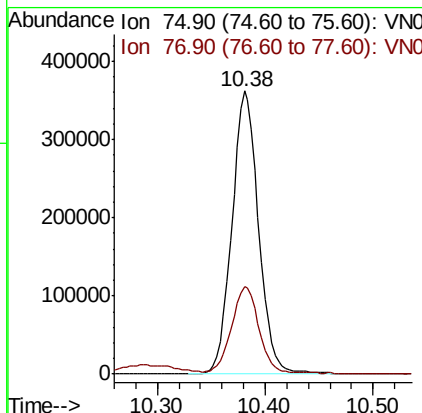
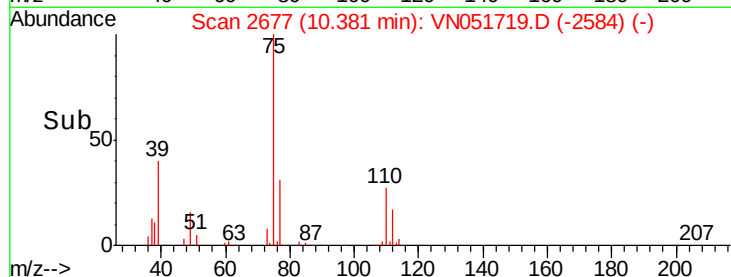
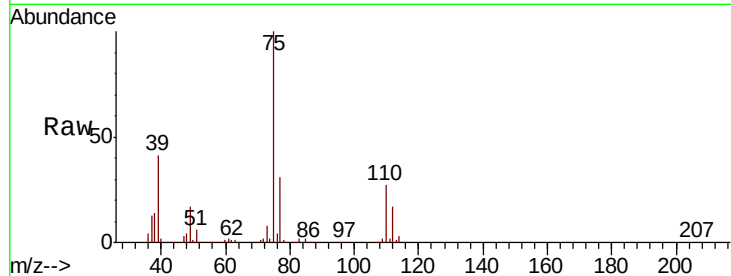
#53
t-1,3-Dichloropropene
Concen: 51.211 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.4	25.5	38.3

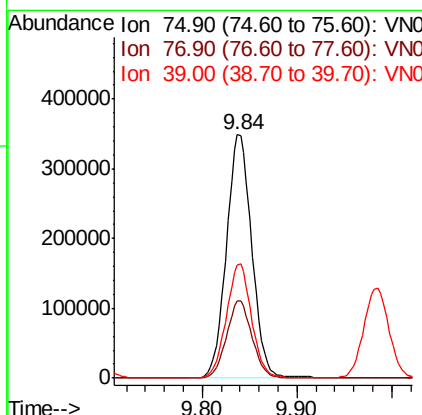
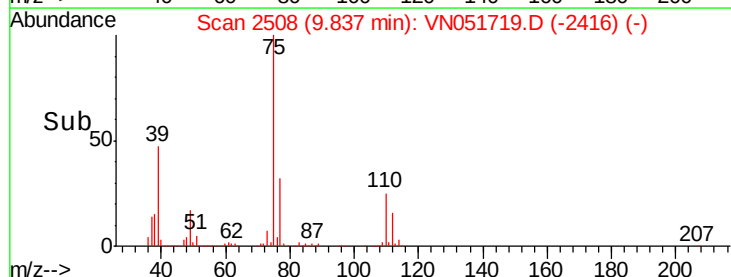
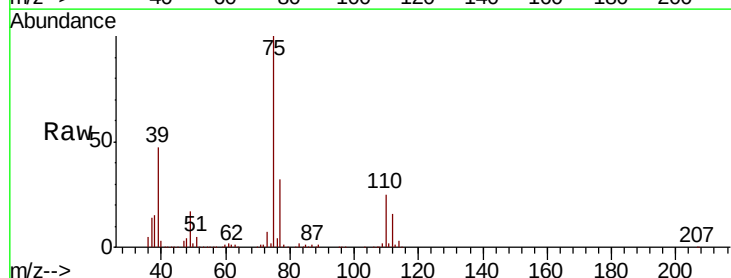
Manual Integrations
APPROVED

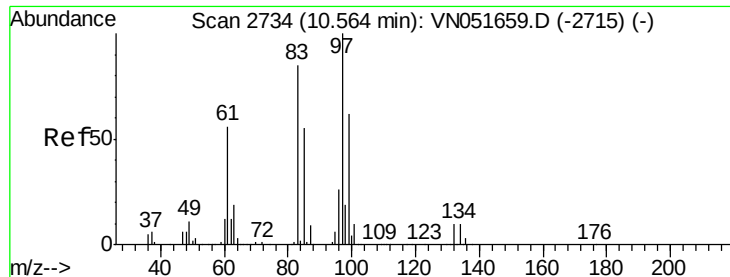
MMDadoda
10/10/2018 11:48:34 AM



#54
cis-1,3-Dichloropropene
Concen: 50.338 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.7	38.5
39	46.6	38.1	57.1





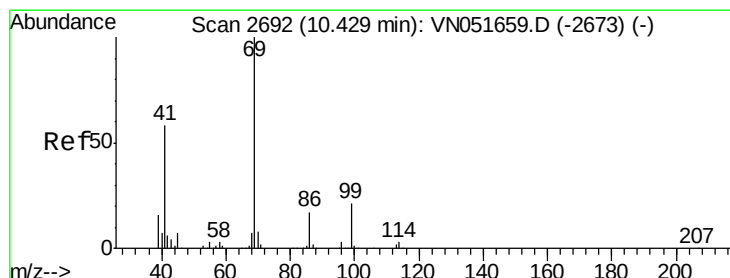
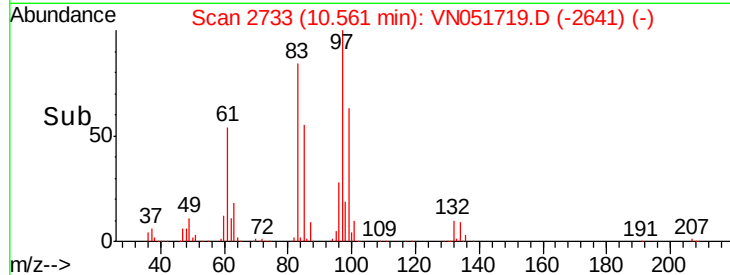
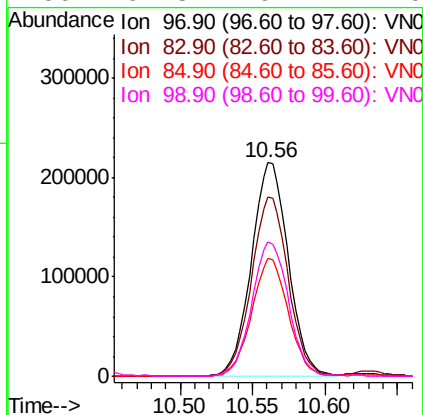
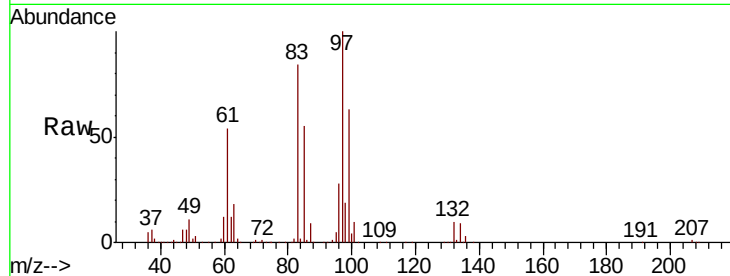
#55
 1,1,2-Trichloroethane
 Concen: 51.651 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051719.D
 Acq: 8 Oct 2018 8:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	382019
Ion	Ratio	Lower	Upper
97	100		
83	84.0	68.1	102.1
85	55.1	43.6	65.4
99	62.8	49.4	74.0

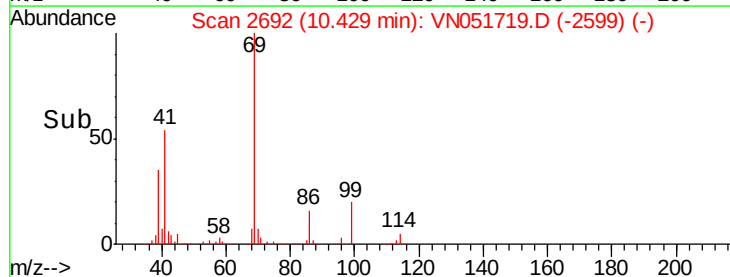
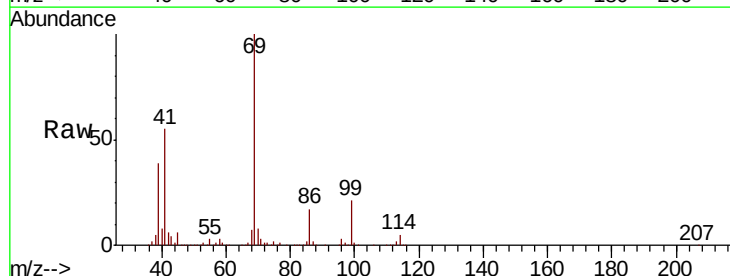
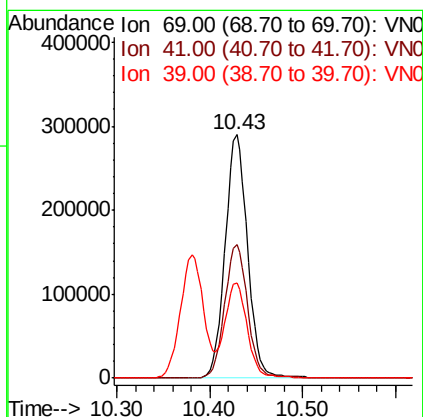
Manual Integrations
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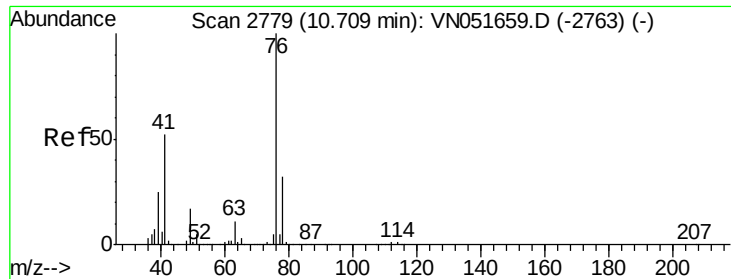
MMDadoda
 10/10/2018 11:48:34 AM



#56
 Ethyl methacrylate
 Concen: 52.049 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051719.D
 Acq: 8 Oct 2018 8:18

Tgt Ion:	69	Resp:	486826
Ion	Ratio	Lower	Upper
69	100		
41	55.1	46.4	69.6
39	38.6	32.4	48.6





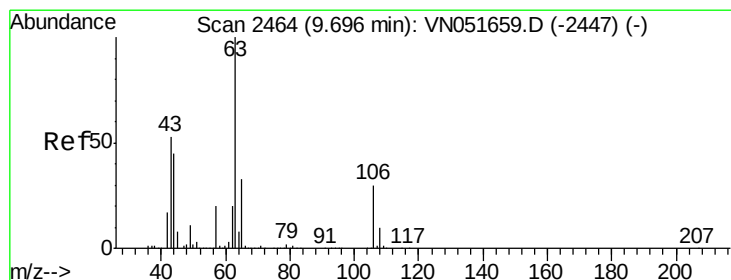
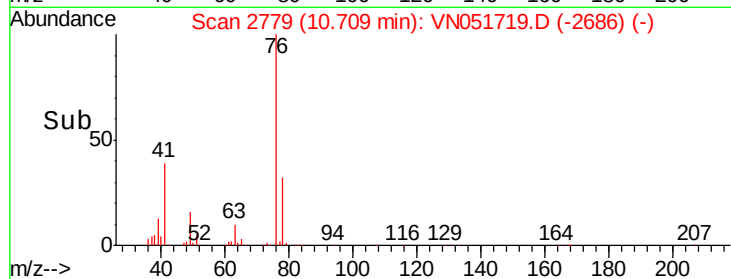
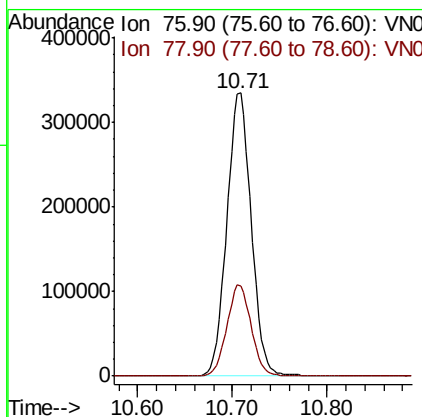
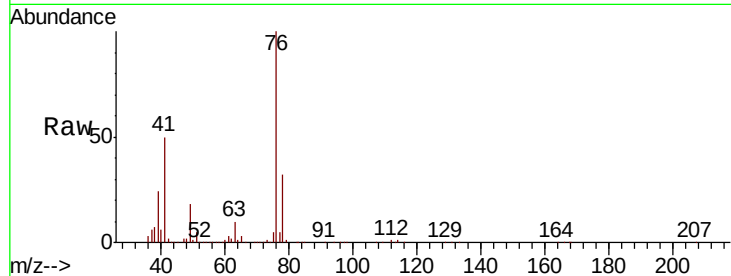
#57
 1,3-Dichloropropane
 Concen: 51.320 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN051719.D
 Acq: 8 Oct 2018 8:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 600743
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.0 39.0

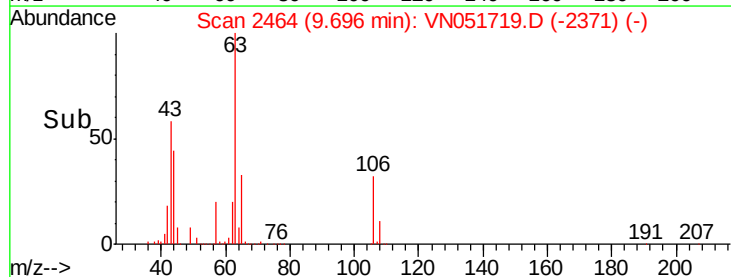
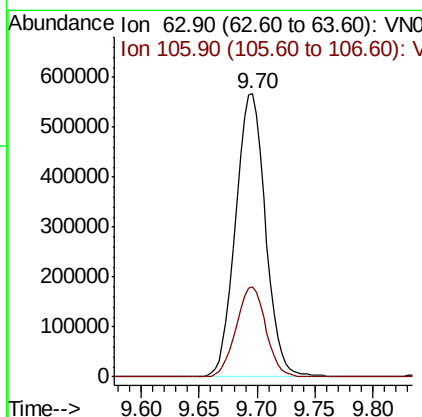
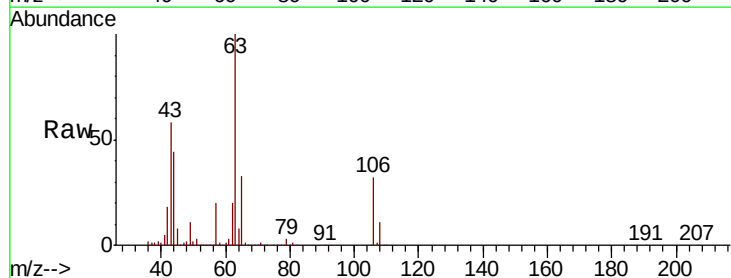
Manual Integrations
 APPROVED

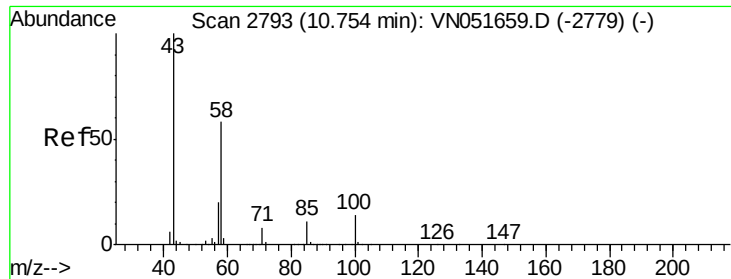
MMDadoda
 10/10/2018 11:48:34 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 261.957 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN051719.D
 Acq: 8 Oct 2018 8:18

Tgt Ion: 63 Resp: 1014032
 Ion Ratio Lower Upper
 63 100
 106 31.7 24.3 36.5





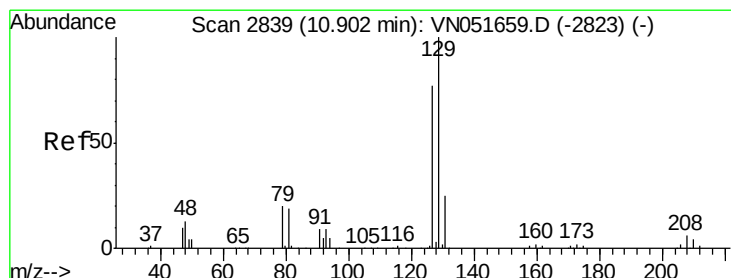
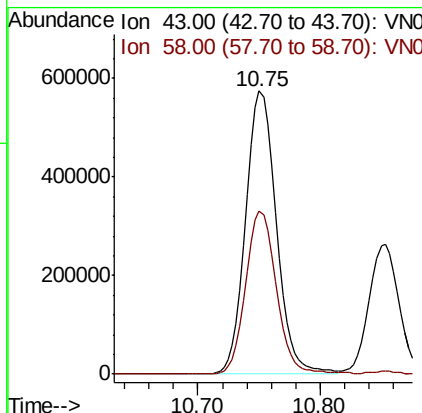
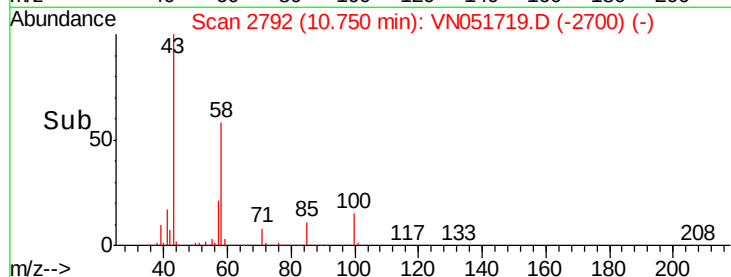
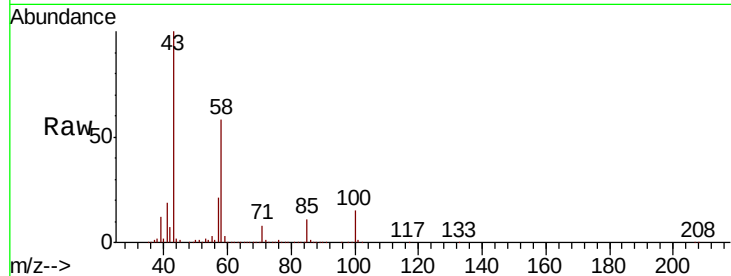
#59
2-Hexanone
Concen: 252.370 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 994456
Ion Ratio Lower Upper
43 100
58 57.5 28.8 86.4

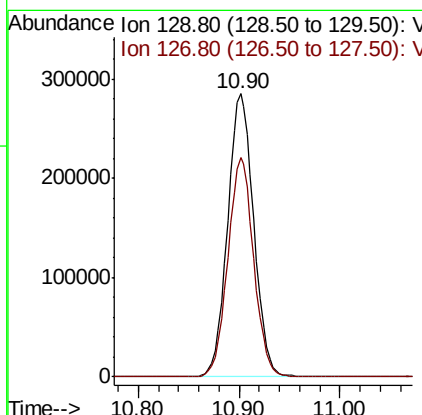
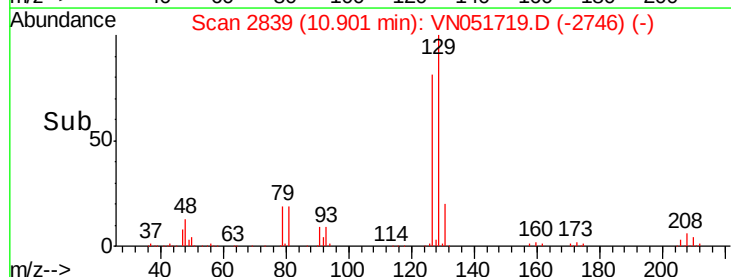
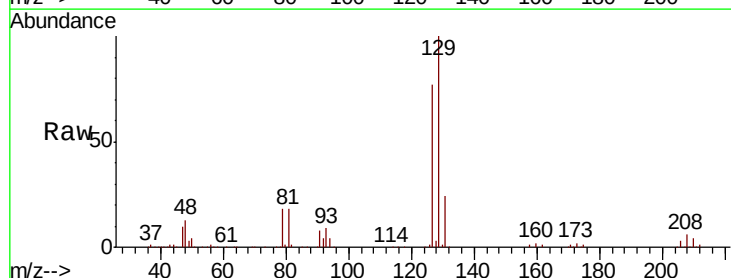
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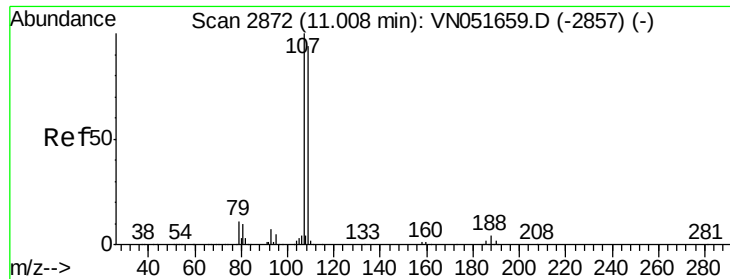
MMDadoda
10/10/2018 11:48:34 AM



#60
Dibromochloromethane
Concen: 53.170 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

Tgt Ion: 129 Resp: 514635
Ion Ratio Lower Upper
129 100
127 76.5 38.6 115.7





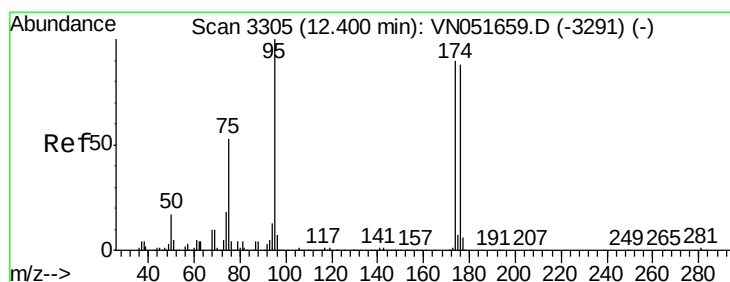
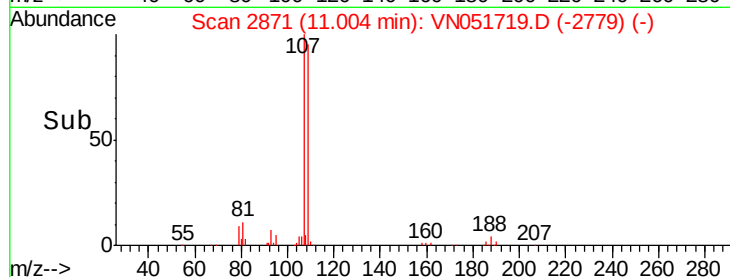
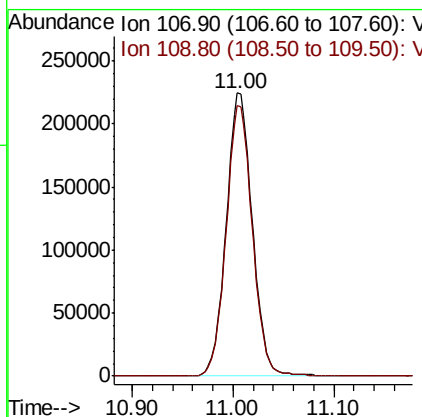
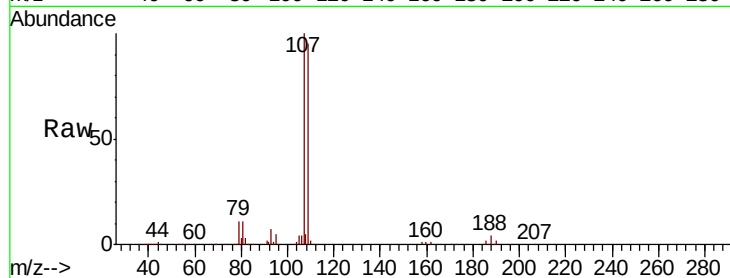
#61
 1,2-Dibromoethane
 Concen: 51.870 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN051719.D
 Acq: 8 Oct 2018 8:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.0	75.4	113.0

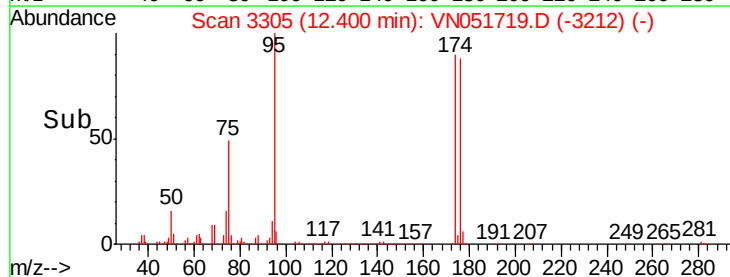
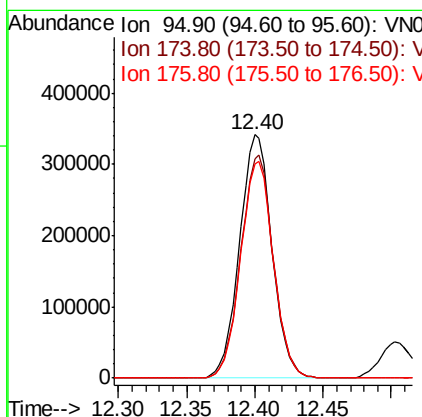
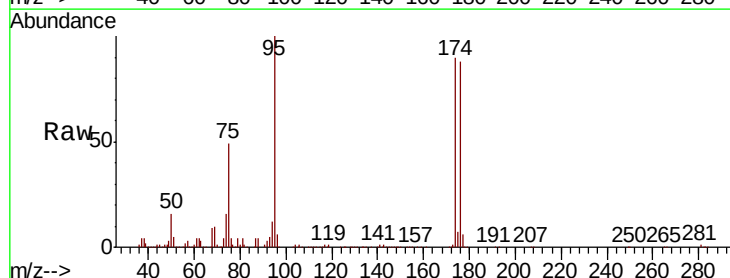
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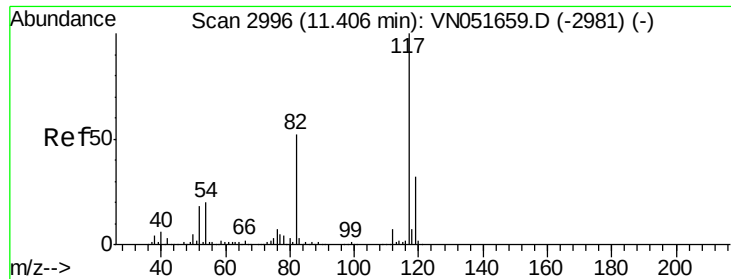
MMDadoda
 10/10/2018 11:48:34 AM



#62
 4-Bromofluorobenzene
 Concen: 51.870 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN051719.D
 Acq: 8 Oct 2018 8:18

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.1	0.0	182.8
176	90.2	0.0	176.4





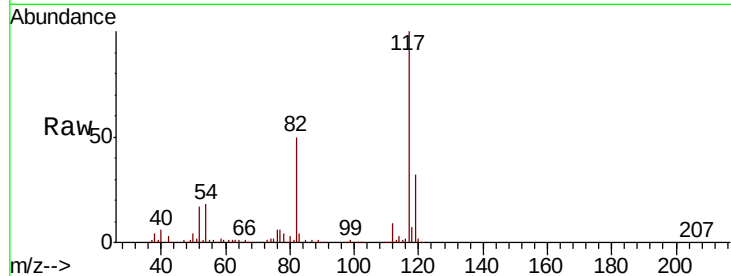
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	996921		
82	50.3		41.3	61.9
119	32.0		25.9	38.9

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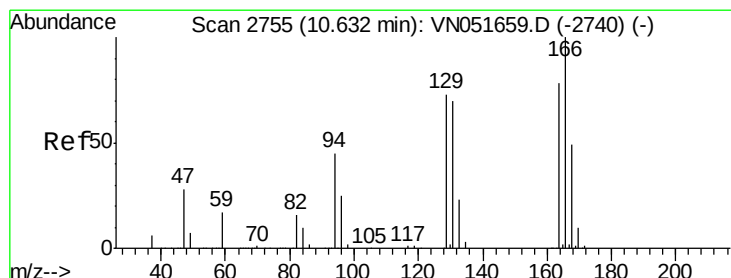
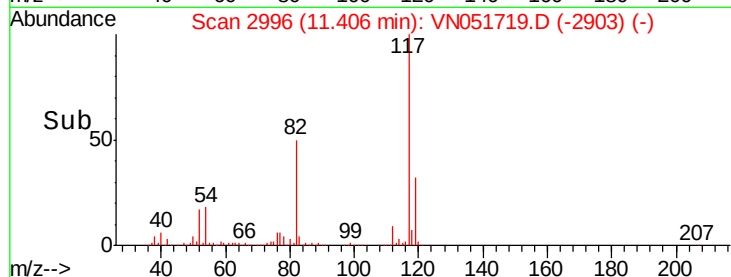
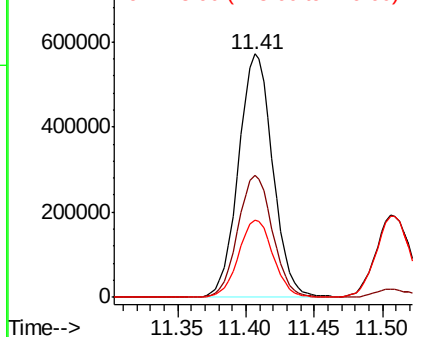


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 51.587 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	453727		
166	129.5		103.0	154.6
129	90.9		75.2	112.8
131	91.7		71.7	107.5

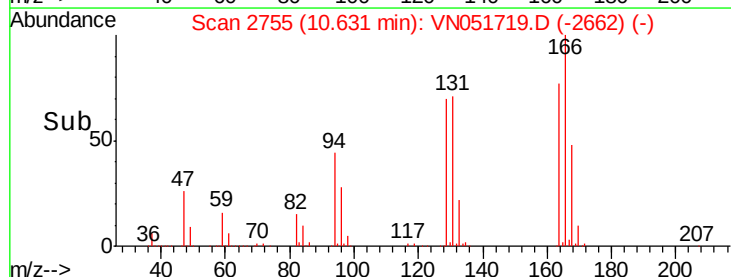
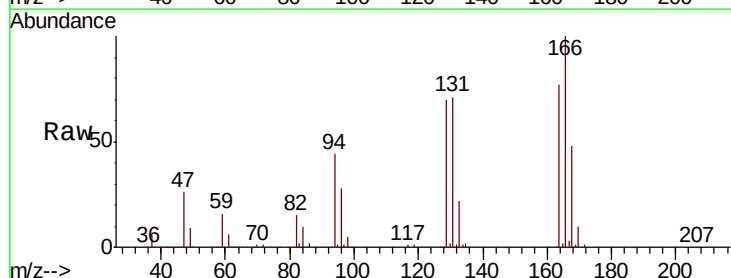
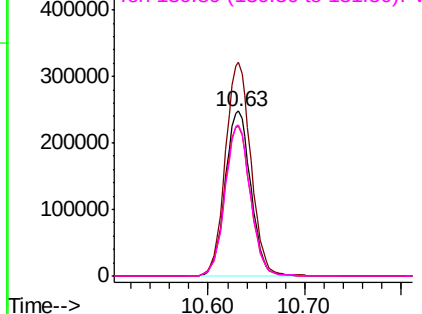
Abundance

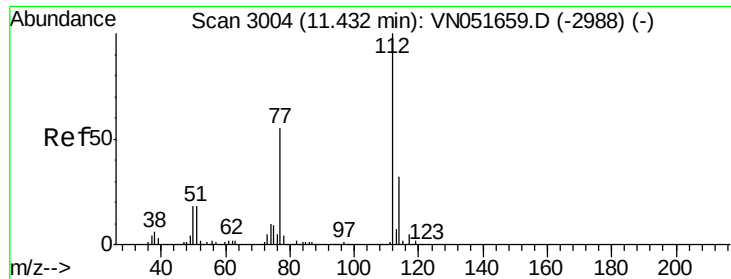
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





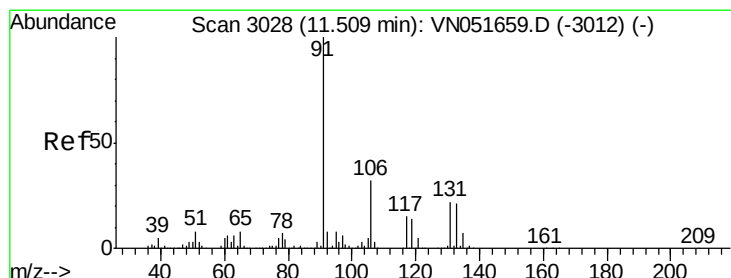
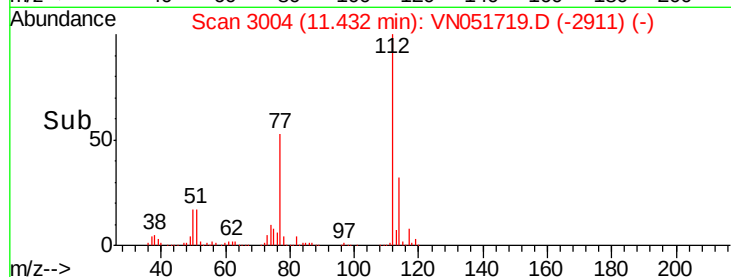
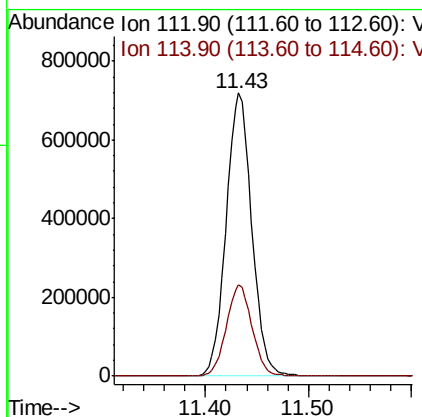
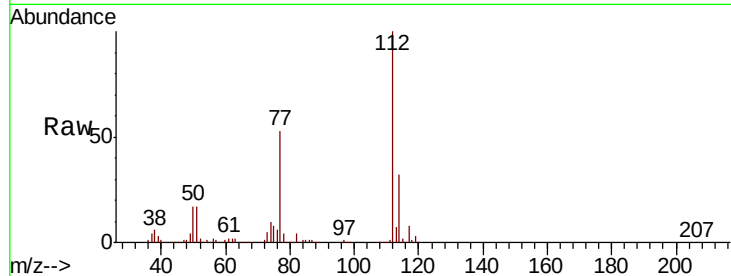
#65
Chlorobenzene
Concen: 50.407 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1244581
Ion Ratio Lower Upper
112 100
114 32.5 25.9 38.9

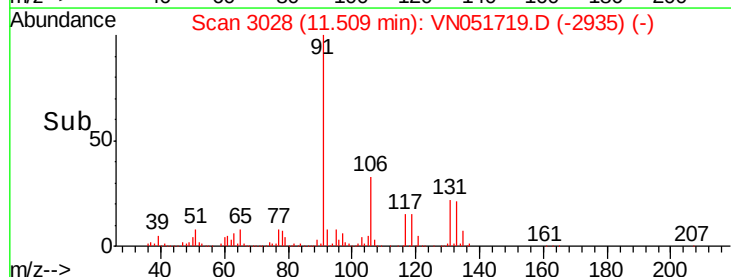
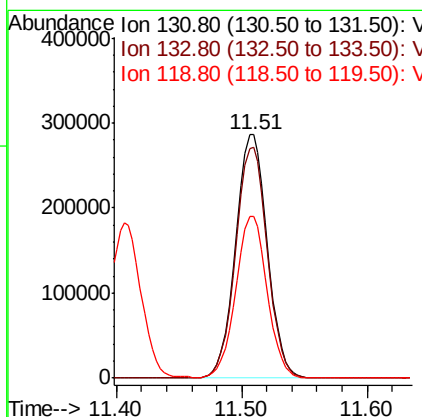
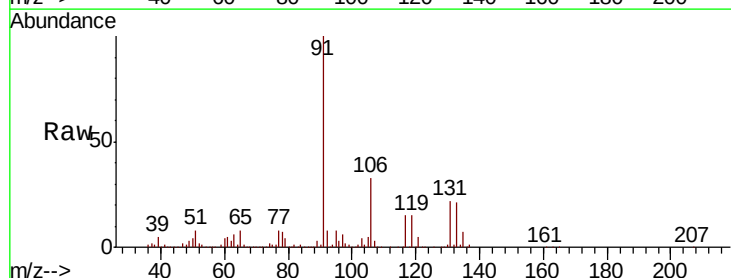
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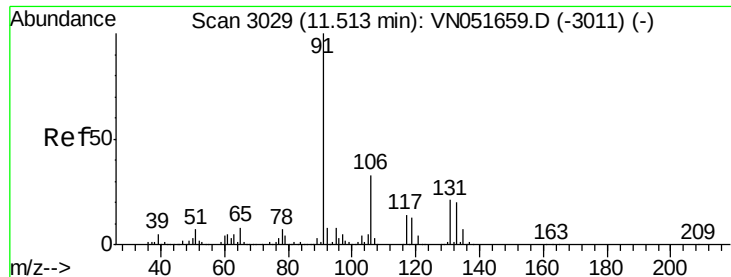
MMDadoda
10/10/2018 11:48:34 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.797 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

Tgt Ion:131 Resp: 502188
Ion Ratio Lower Upper
131 100
133 95.3 47.6 142.8
119 66.0 32.0 96.0





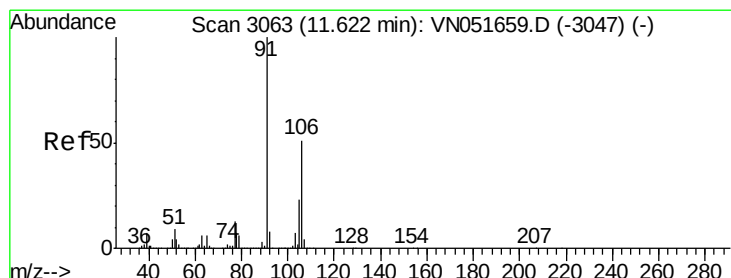
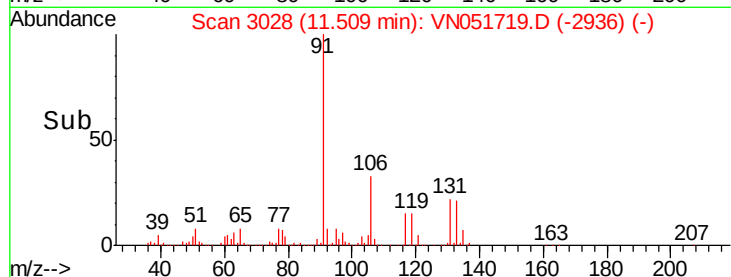
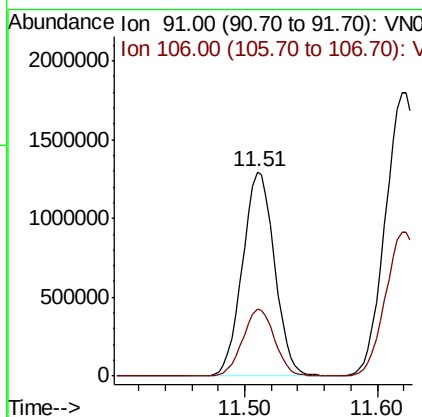
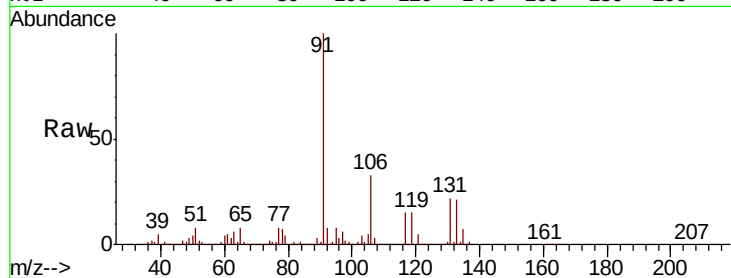
#67
Ethyl Benzene
Concen: 51.028 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 2177662
Ion Ratio Lower Upper
91 100
106 32.9 26.0 39.0

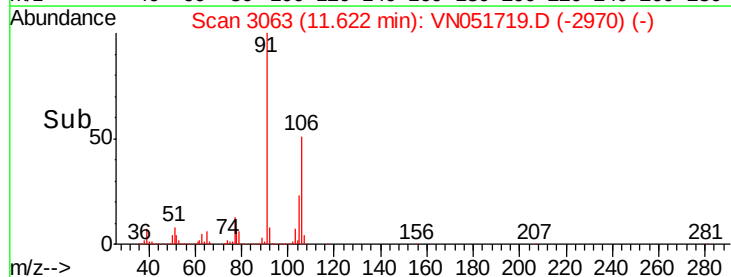
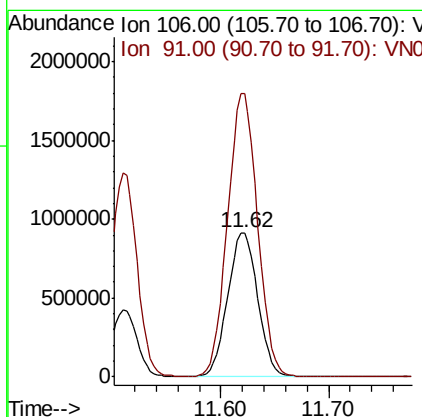
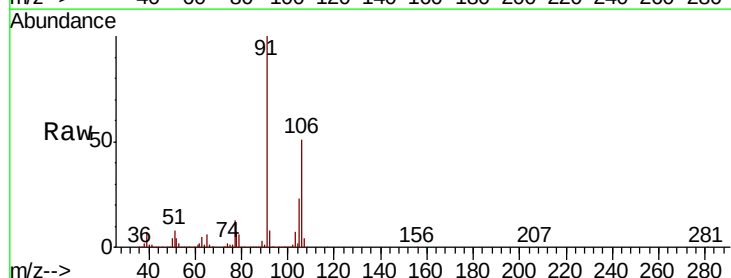
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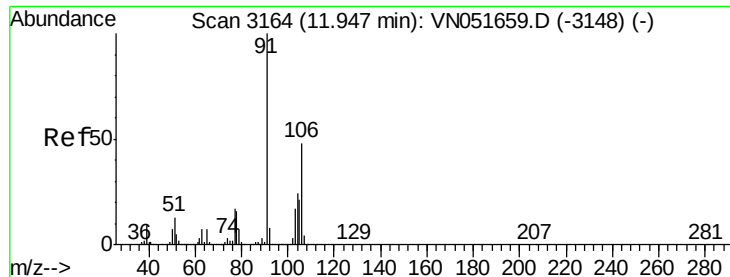
MMDadoda
10/10/2018 11:48:34 AM



#68
m/p-Xylenes
Concen: 103.877 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

Tgt Ion: 106 Resp: 1773733
Ion Ratio Lower Upper
106 100
91 195.9 158.4 237.6





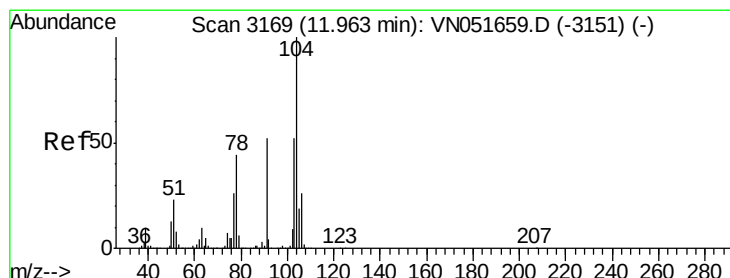
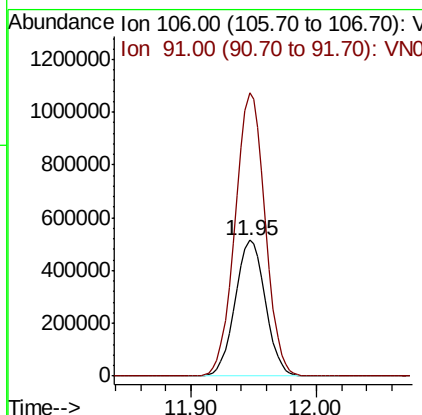
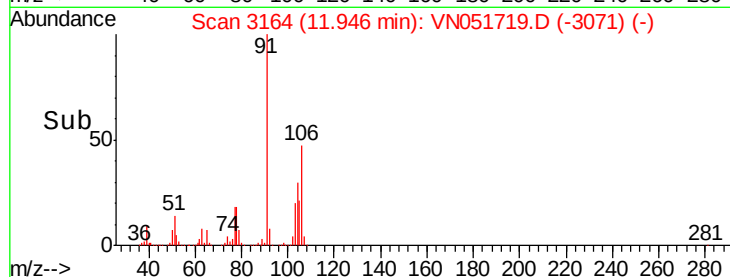
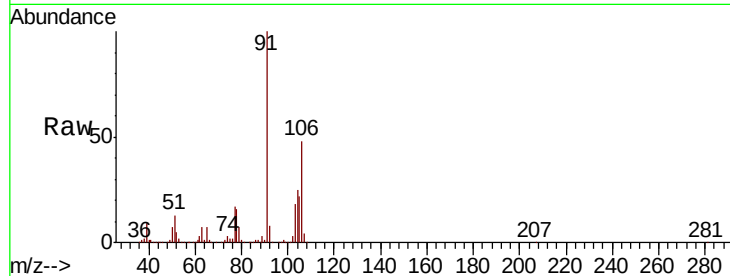
#69
o-Xylene
Concen: 51.587 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	206.5	104.4	313.2	

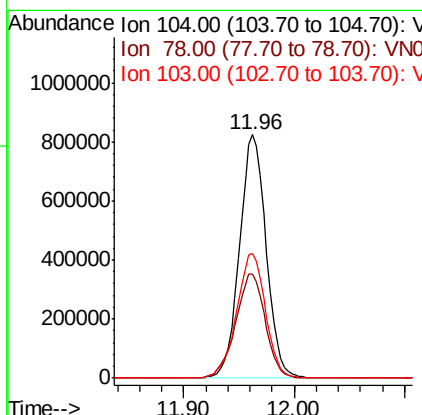
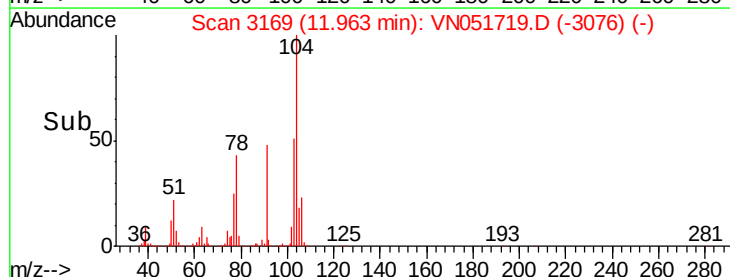
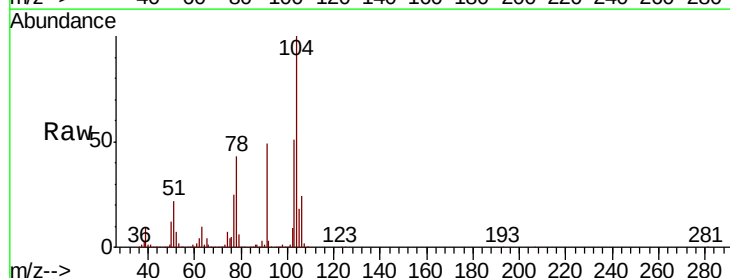
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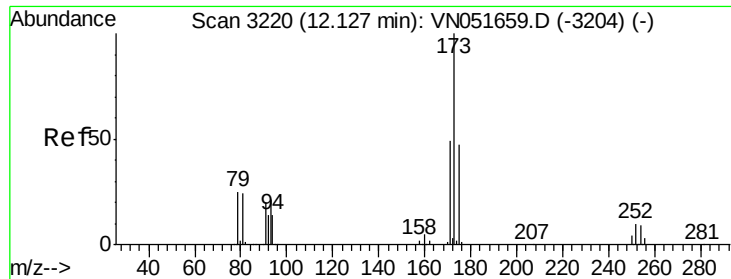
MMDadoda
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#70
Styrene
Concen: 51.363 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	47.7	39.3	58.9	
103	55.6	45.0	67.6	





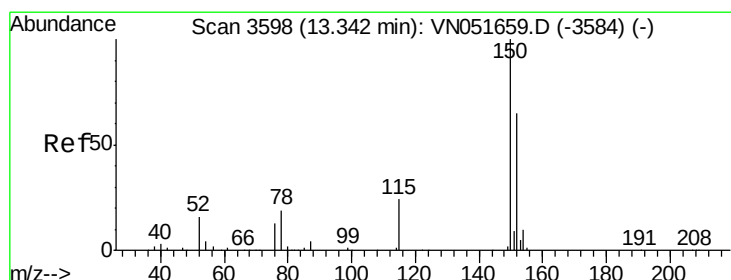
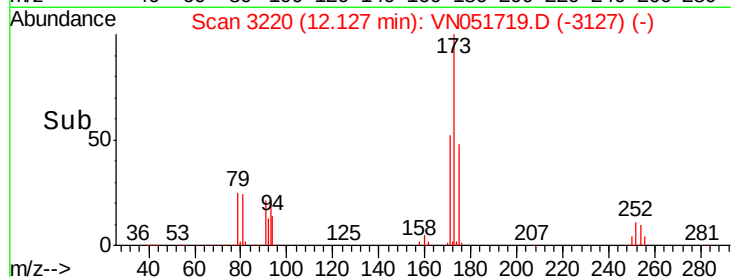
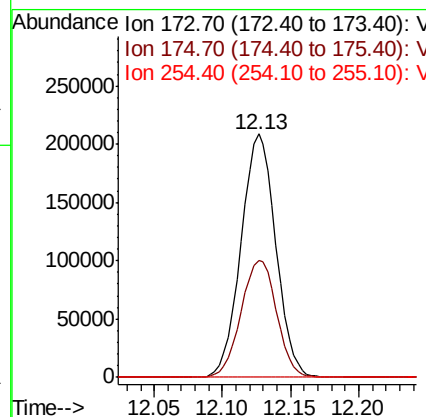
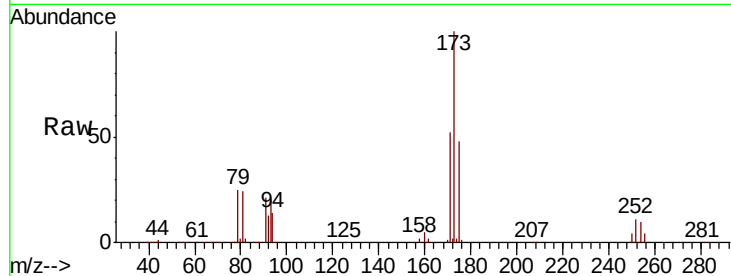
#71
Bromoform
Concen: 50.205 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.0	72.0
254	0.1	0.1	0.1

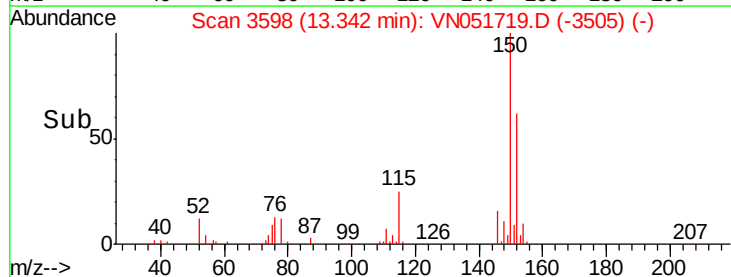
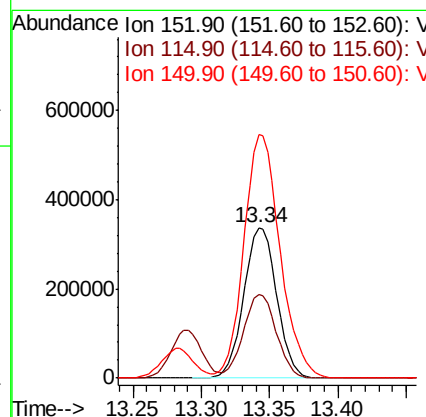
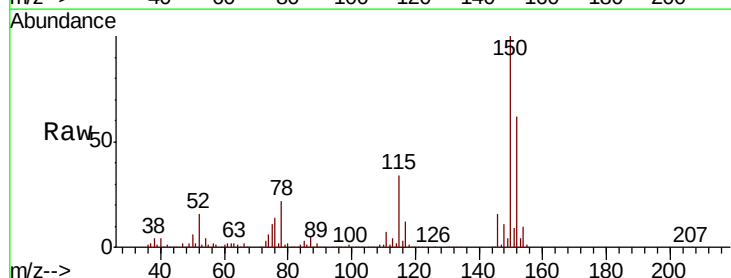
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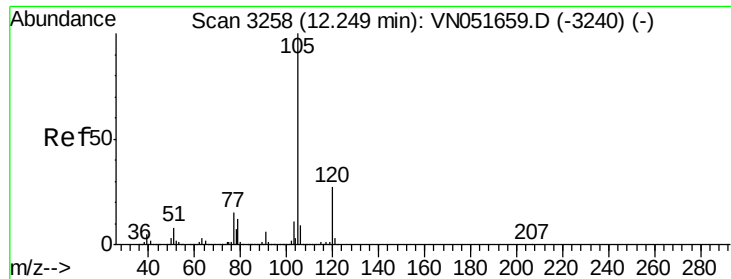
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.7	28.6	85.8
150	178.4	0.0	352.4





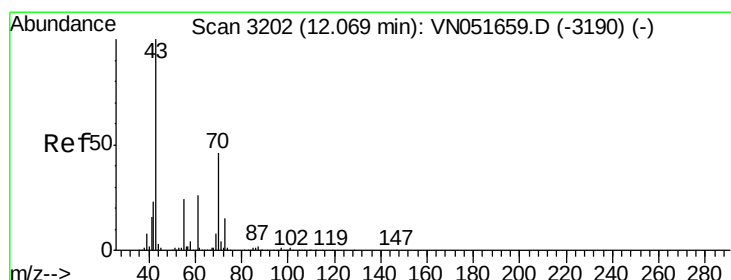
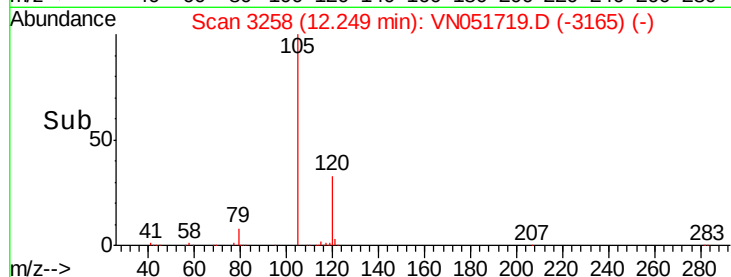
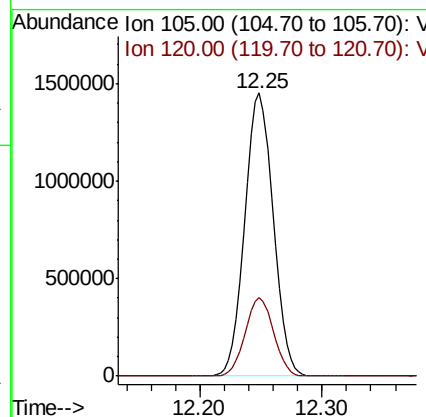
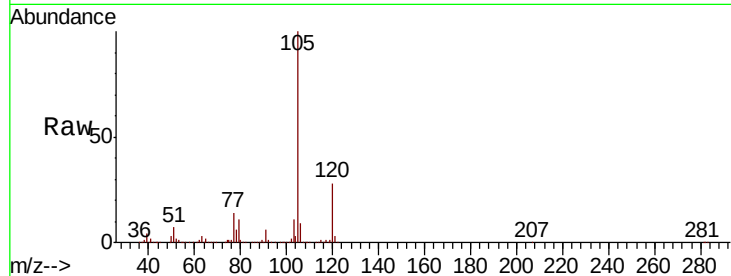
#73
Isopropylbenzene
Concen: 48.626 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 105 Resp: 2332908
Ion Ratio Lower Upper
105 100
120 27.6 13.9 41.6

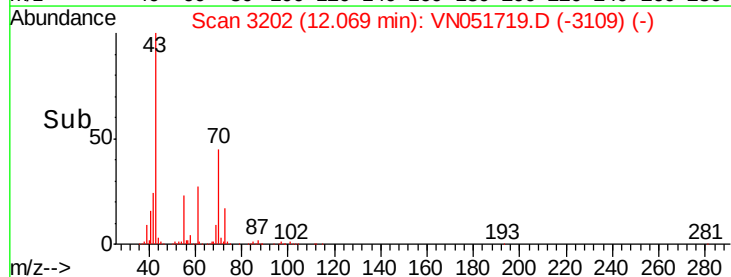
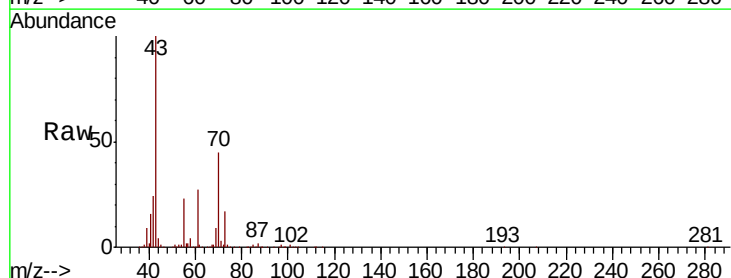
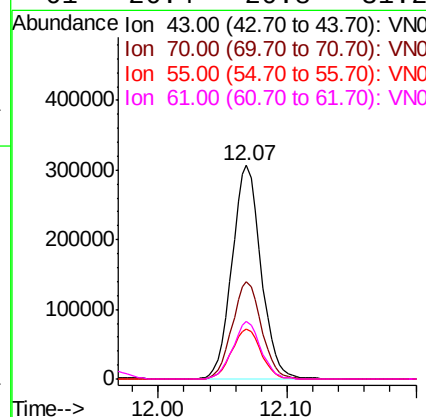
Manual Integrations
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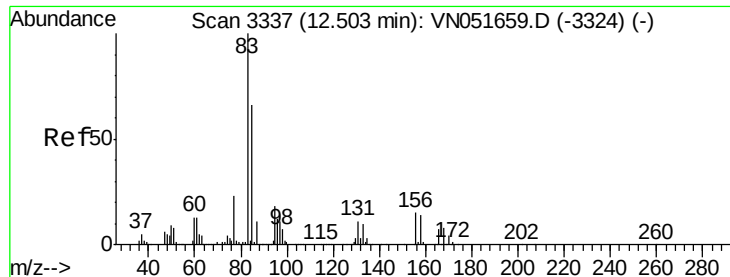
MMDadoda
10/10/2018 11:48:34 AM



#74
N-ethyl acetate
Concen: 47.558 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

Tgt Ion: 43 Resp: 473168
Ion Ratio Lower Upper
43 100
70 46.4 37.1 55.7
55 23.8 19.1 28.7
61 26.4 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 50.485 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051719.D

Acq: 8 Oct 2018 8:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 469270
Ion Ratio Lower Upper

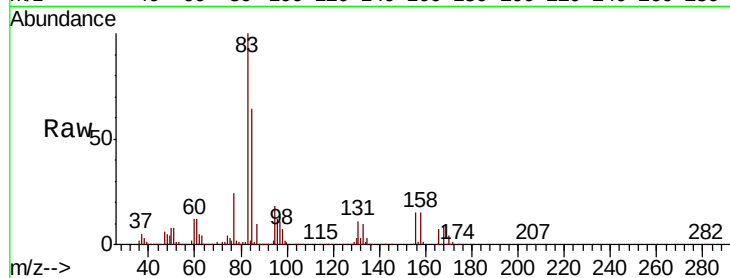
83 100

131 11.6 5.7 17.1

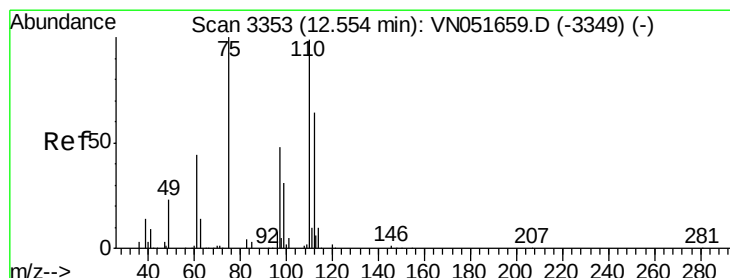
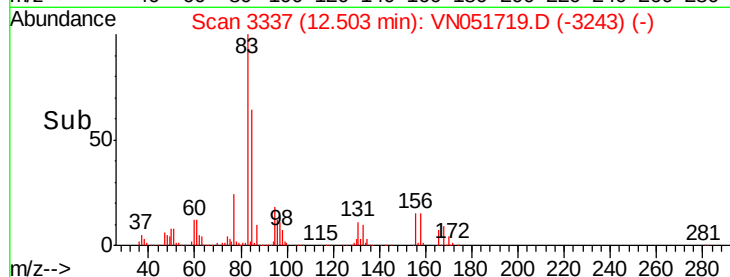
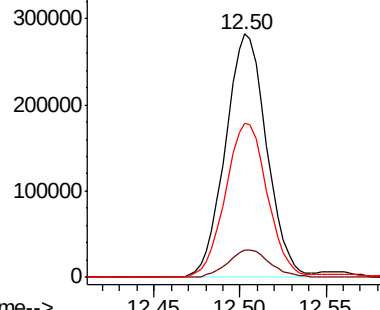
85 64.3 33.0 98.9

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 54.886 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

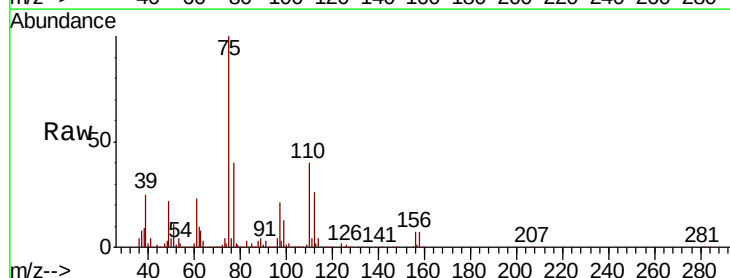
Lab File: VN051719.D

Acq: 8 Oct 2018 8:18

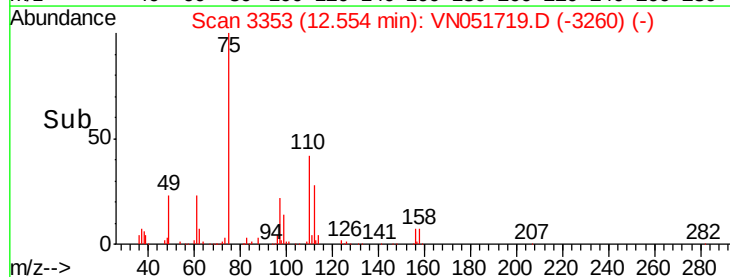
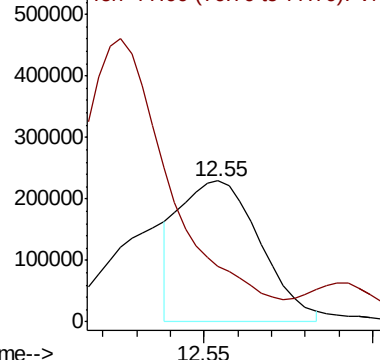
Tgt Ion: 75 Resp: 381025
Ion Ratio Lower Upper

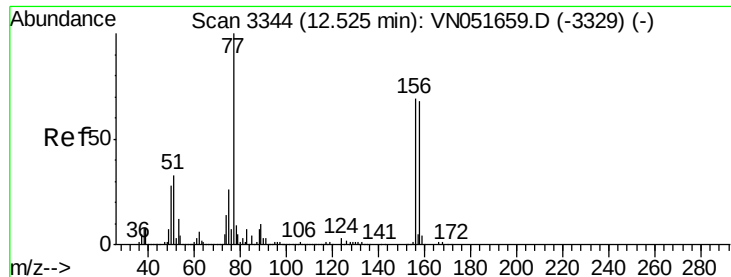
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





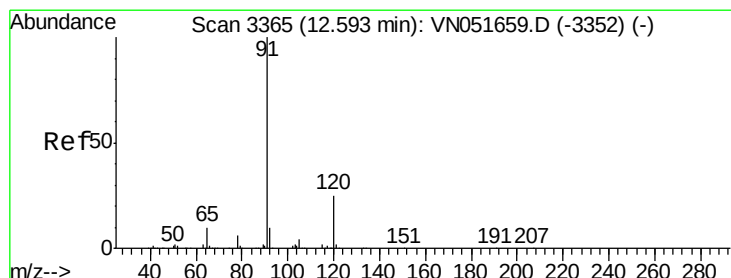
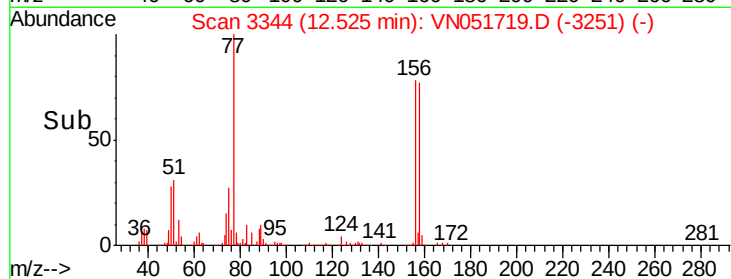
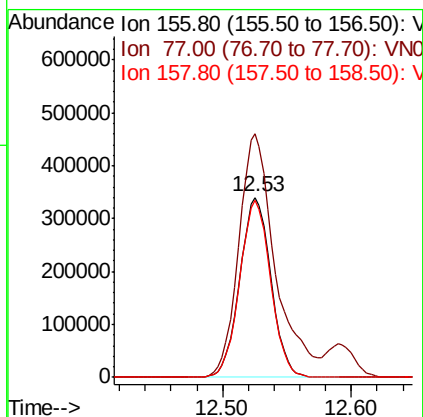
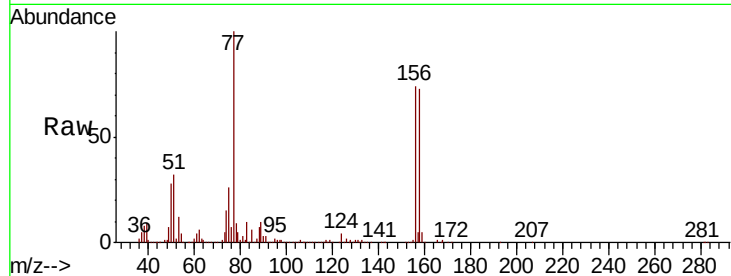
#77
Bromobenzene
Concen: 48.660 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	158.2	83.2	249.4
158	97.8	49.0	147.2

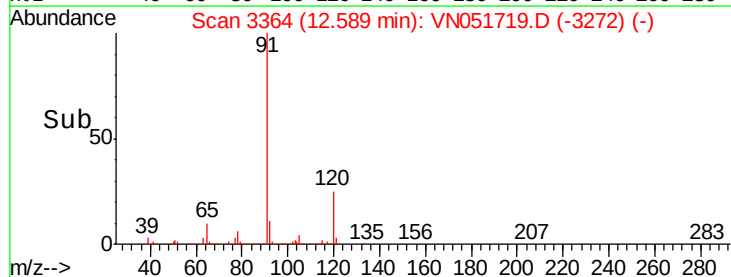
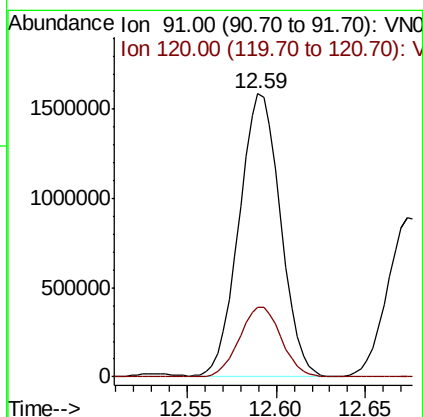
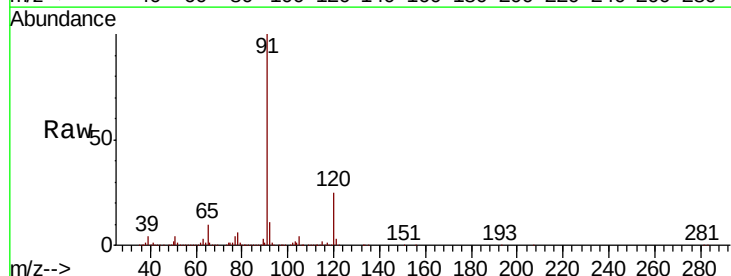
Manual Integrations
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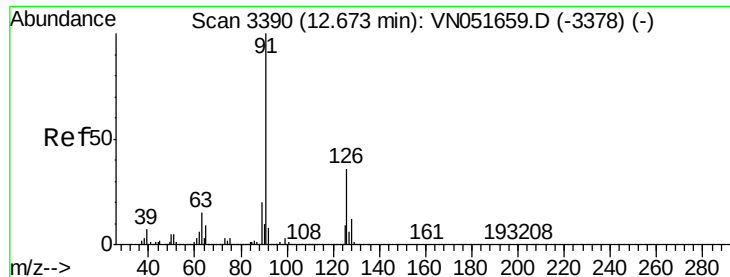
MMDadoda
10/10/2018 11:48:34 AM



#78
n-propylbenzene
Concen: 48.933 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.9	12.4	37.2





#79

2-Chlorotoluene

Concen: 48.412 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051719.D

Acq: 8 Oct 2018 8:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1493040

Ion Ratio Lower Upper

91 100

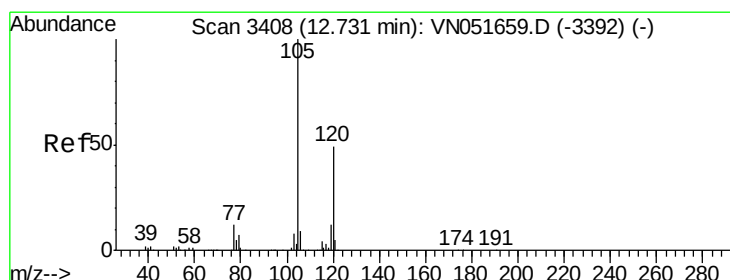
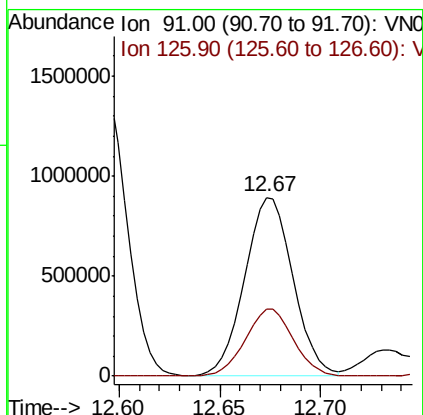
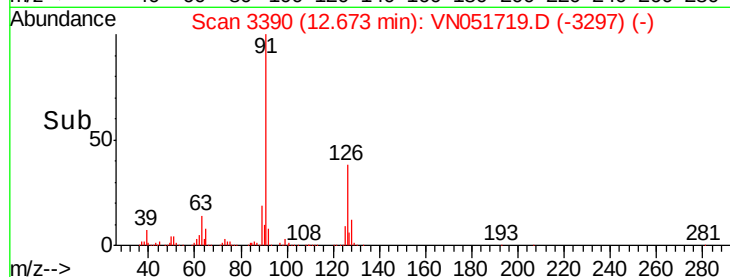
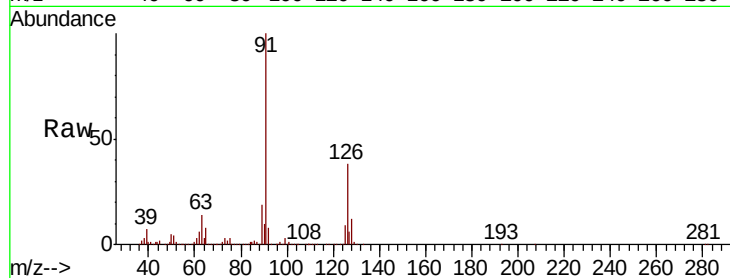
126 37.6 18.5 55.5

Manual Integrations

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10/10/2018 11:48:34 AM



#80

1,3,5-Trimethylbenzene

Concen: 48.959 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051719.D

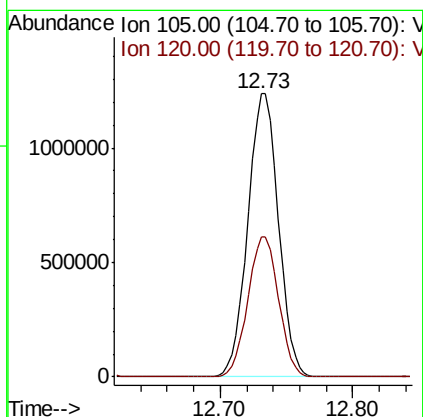
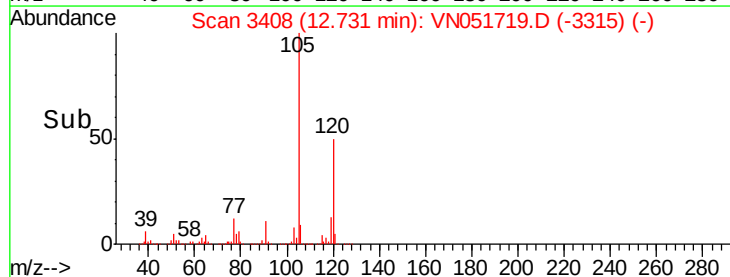
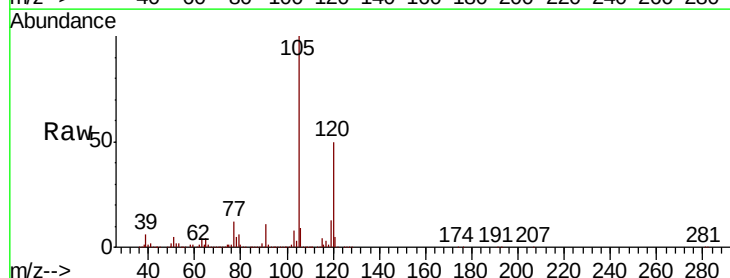
Acq: 8 Oct 2018 8:18

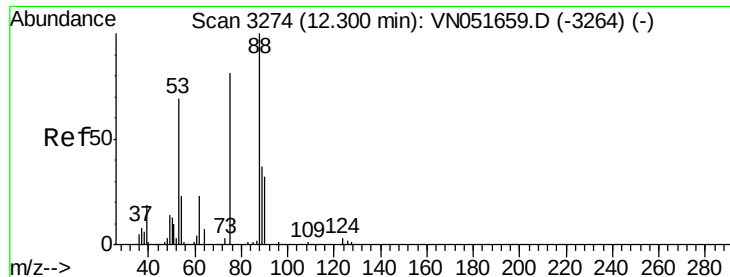
Tgt Ion: 105 Resp: 1979493

Ion Ratio Lower Upper

105 100

120 49.6 24.6 74.0





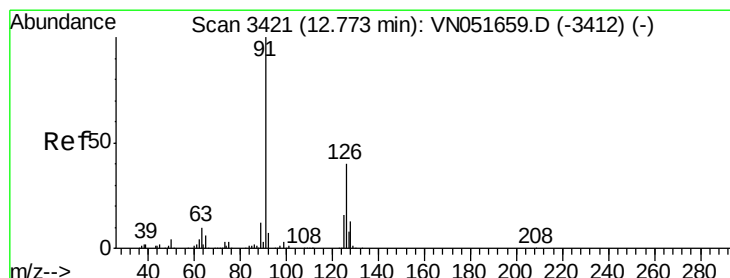
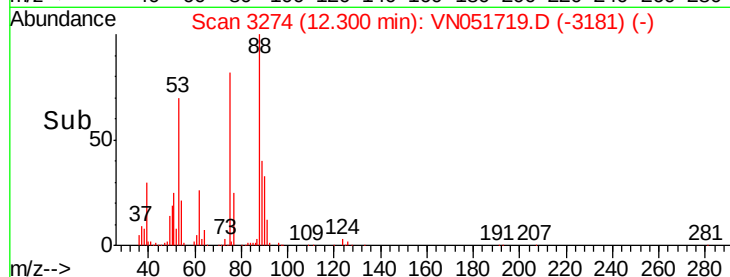
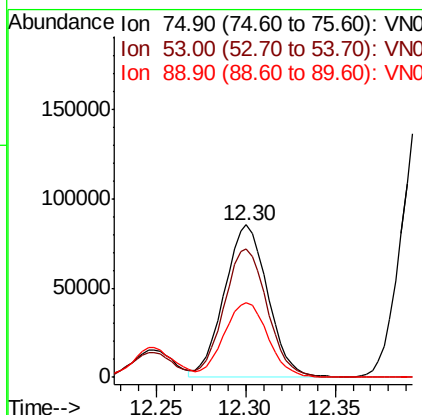
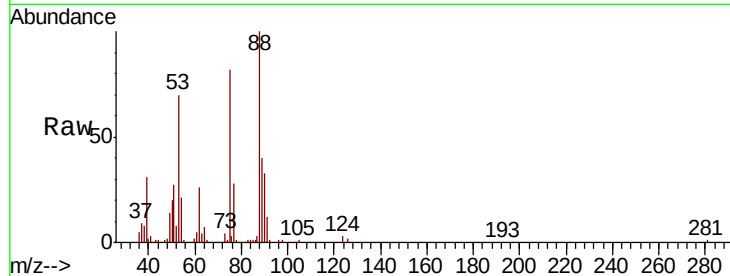
#81
trans-1,4-Dichloro-2-butene
Concen: 46.523 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	85.7	68.6	102.8
89	50.2	39.4	59.2

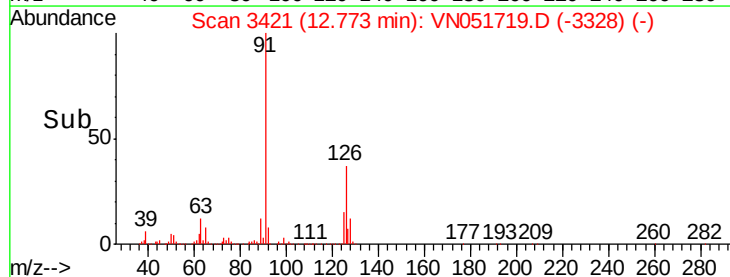
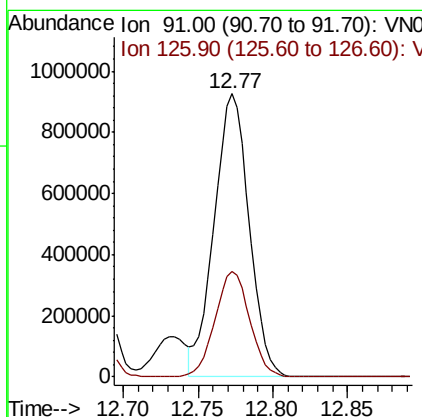
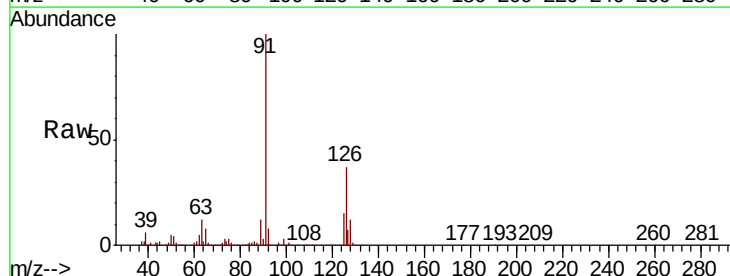
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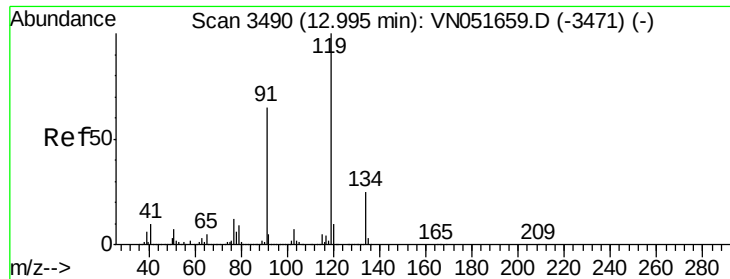
MMDadoda
10/10/2018 11:48:34 AM



#82
4-Chlorotoluene
Concen: 48.571 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	37.0	18.0	54.0





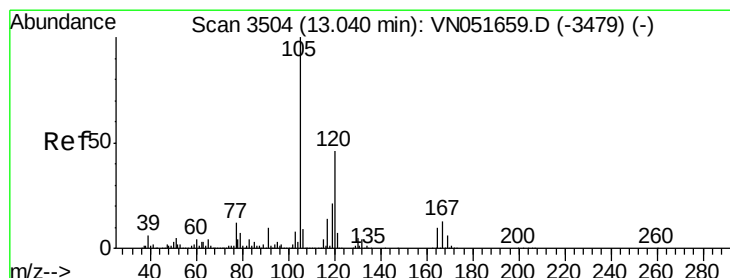
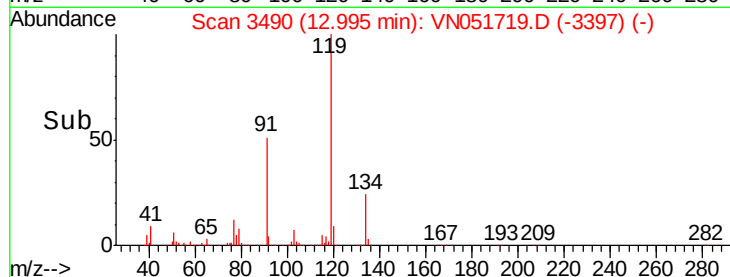
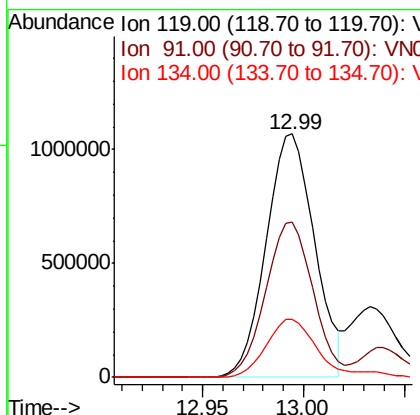
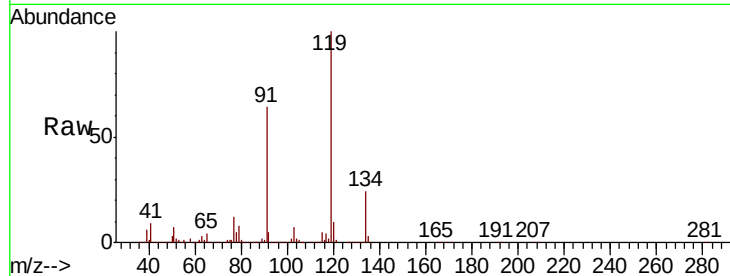
#83
 tert-Butylbenzene
 Concen: 49.101 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN051719.D
 Acq: 8 Oct 2018 8:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.6	32.1	96.5
134	25.9	13.3	39.9

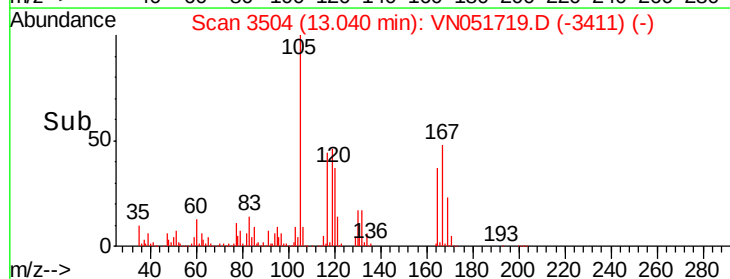
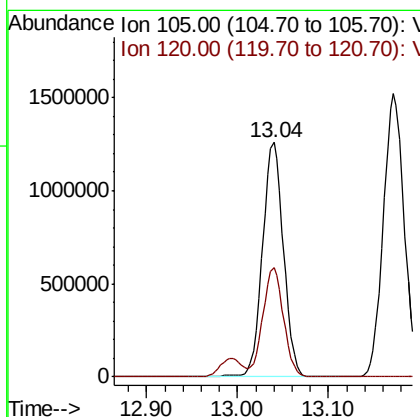
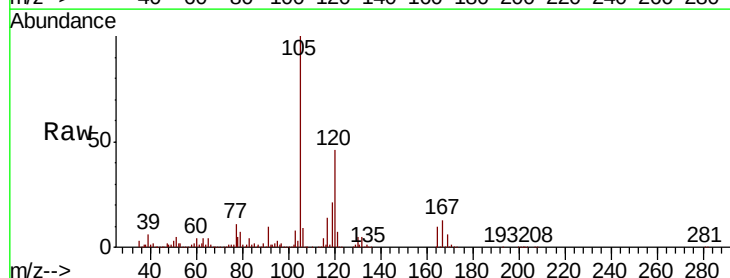
Manual Integrations
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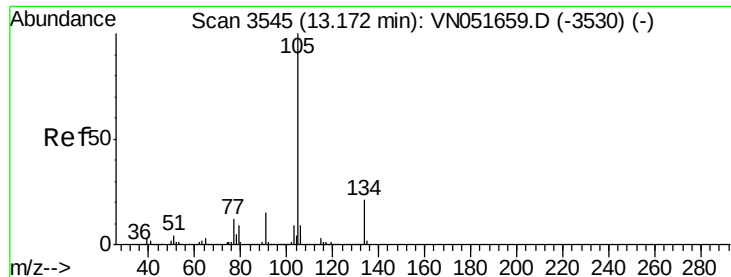
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 10/10/2018 11:48:34 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 49.555 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051719.D
 Acq: 8 Oct 2018 8:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	22.9	68.7





#85

sec-Butylbenzene

Concen: 50.286 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051719.D

Acq: 8 Oct 2018 8:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 2409835

Ion Ratio Lower Upper

105 100

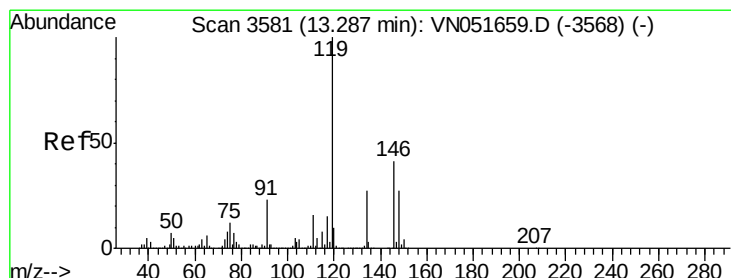
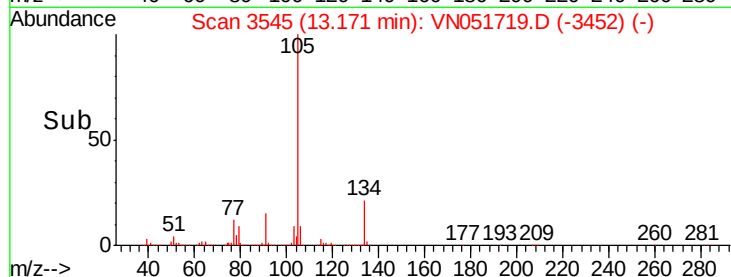
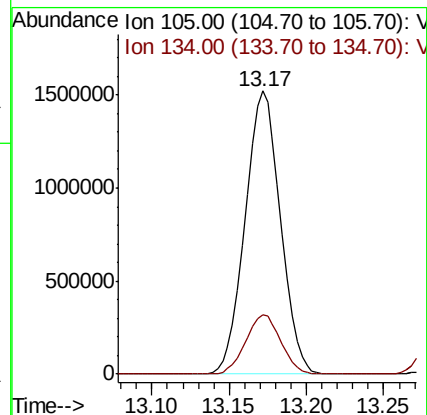
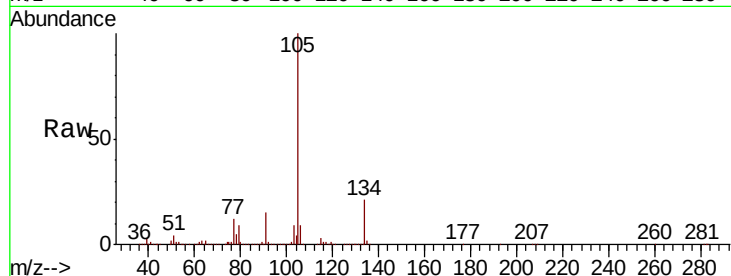
134 21.0 10.5 31.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 50.830 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051719.D

Acq: 8 Oct 2018 8:18

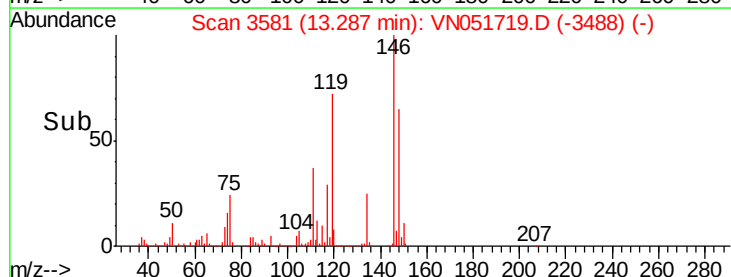
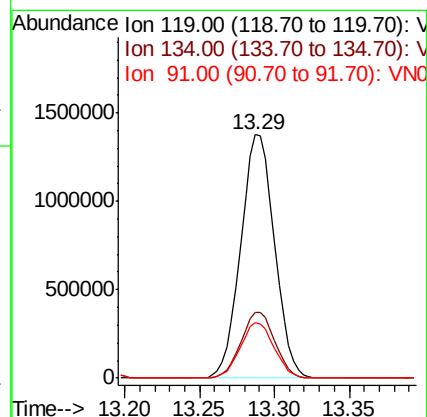
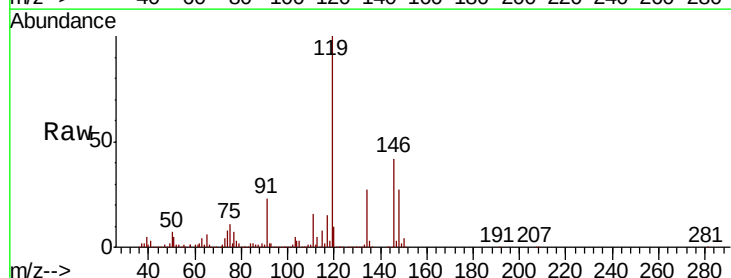
Tgt Ion:119 Resp: 2159459

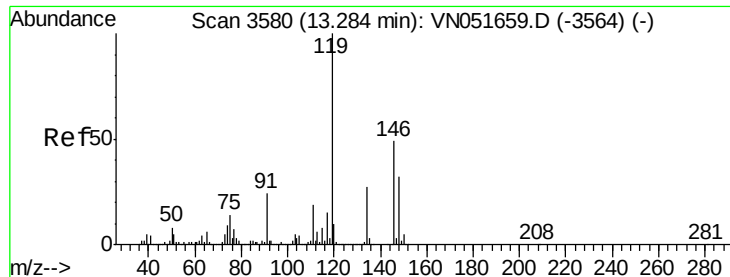
Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.2

91 22.8 11.7 35.1





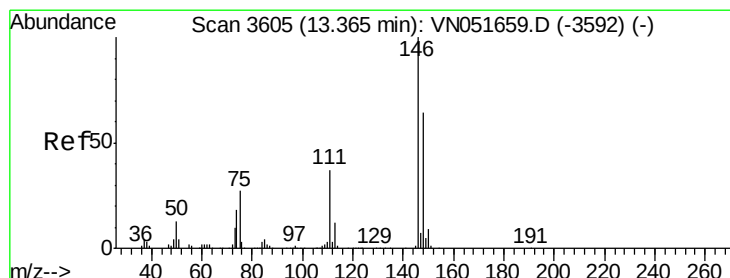
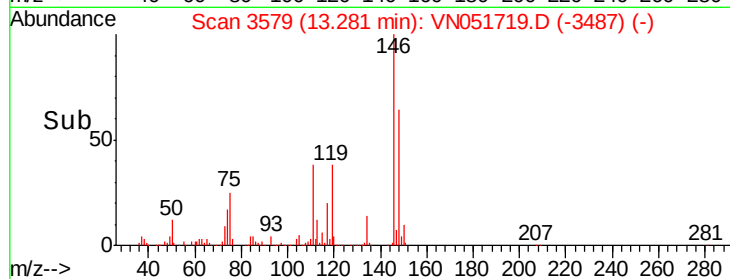
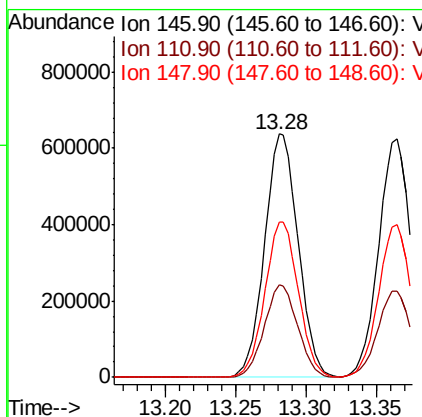
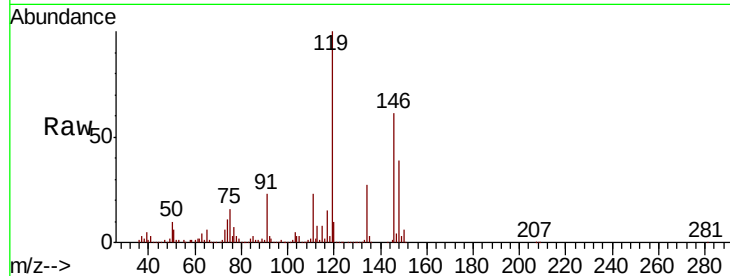
#87
 1,3-Dichlorobenzene
 Concen: 51.583 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN051719.D
 Acq: 8 Oct 2018 8:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.3	57.9
148	63.8	32.5	97.5

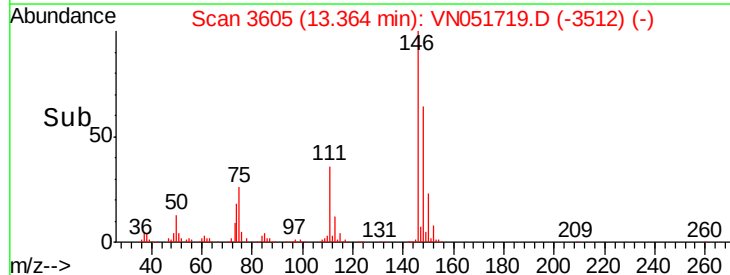
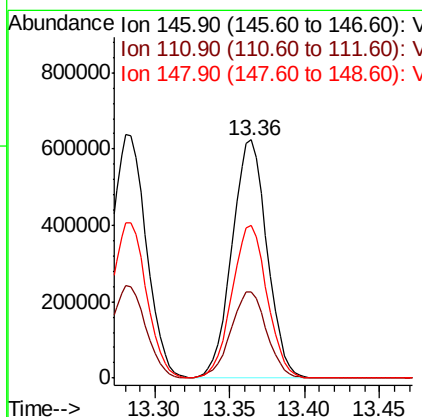
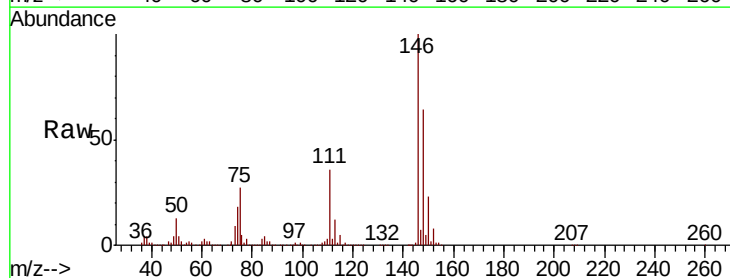
Manual Integrations
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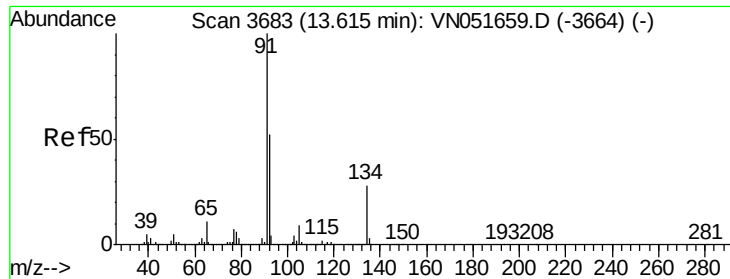
MMDadoda
 10/10/2018 11:48:34 AM



#88
 1,4-Dichlorobenzene
 Concen: 50.598 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN051719.D
 Acq: 8 Oct 2018 8:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.6	55.8
148	64.2	32.3	96.8





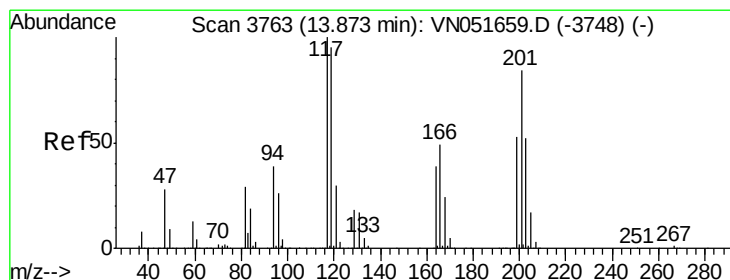
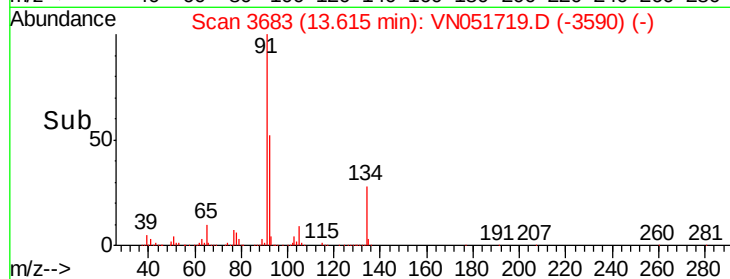
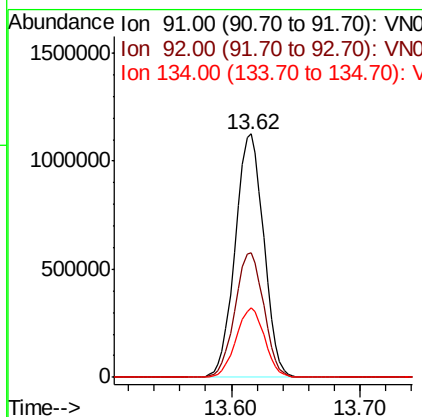
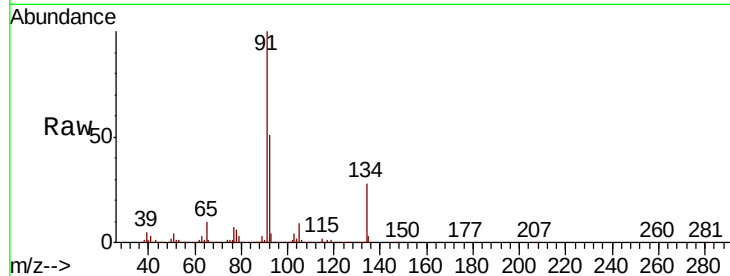
#89
n-Butylbenzene
Concen: 51.452 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.0	78.0
134	28.5	14.2	42.6

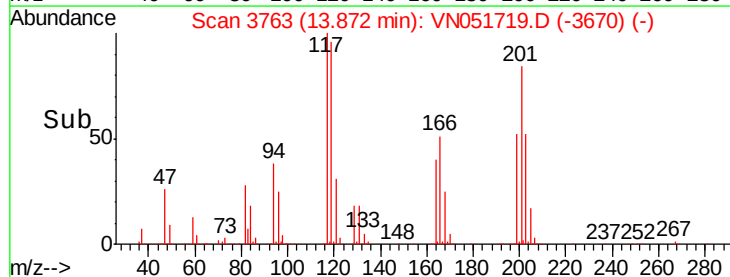
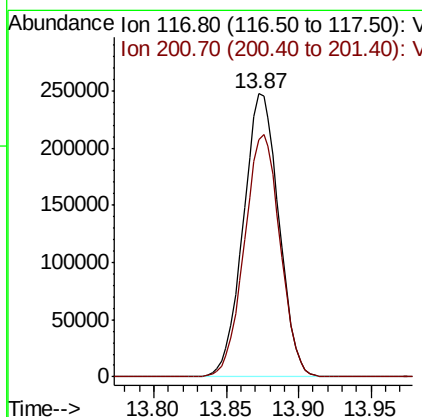
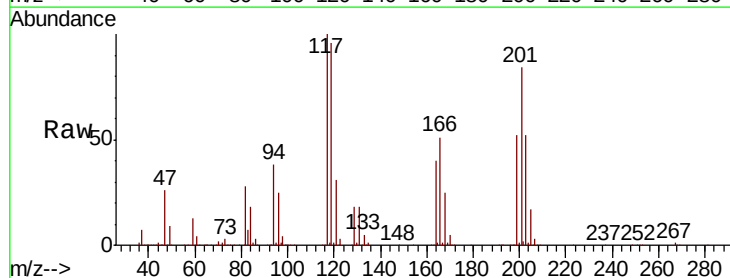
Manual Integrations
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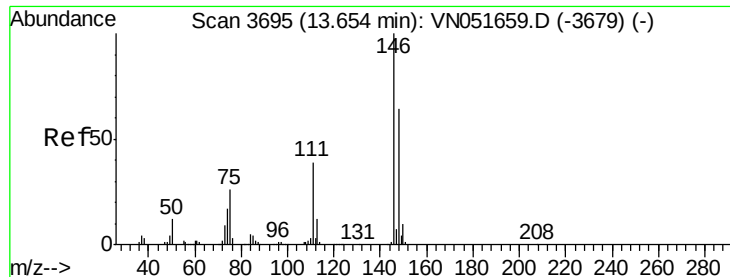
MMDadoda
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#90
Hexachloroethane
Concen: 49.988 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.8	42.4	127.3





#91

1,2-Dichlorobenzene

Concen: 50.242 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN051719.D

Acq: 8 Oct 2018 8:18

Instrument :

MSVOA_N

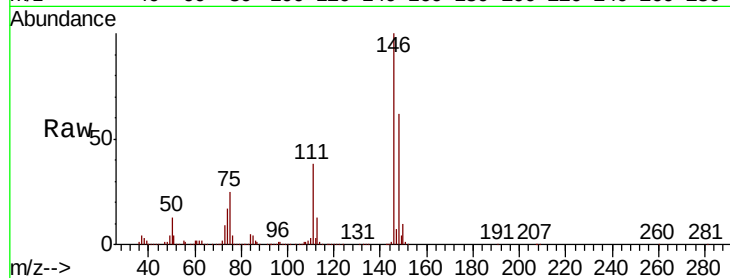
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	1020951
Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.7	59.0
148	63.1	32.1	96.3

Manual Integrations
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MMDadoda
10/10/2018 11:48:34 AM

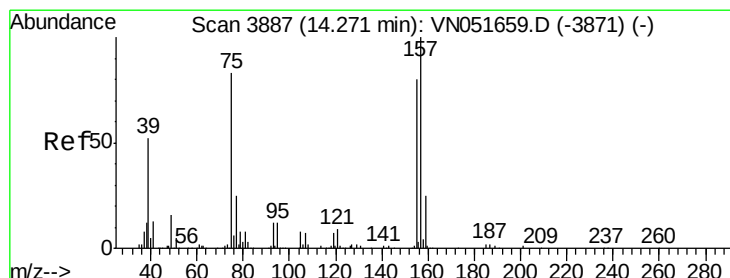
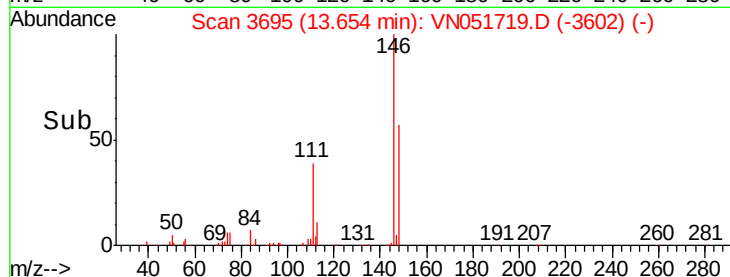
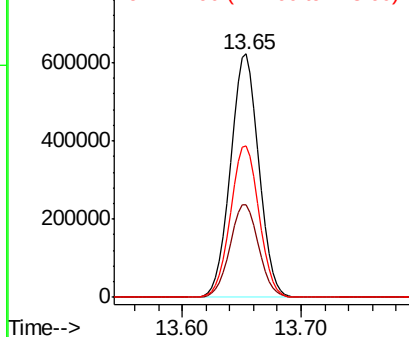


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.071 ug/l

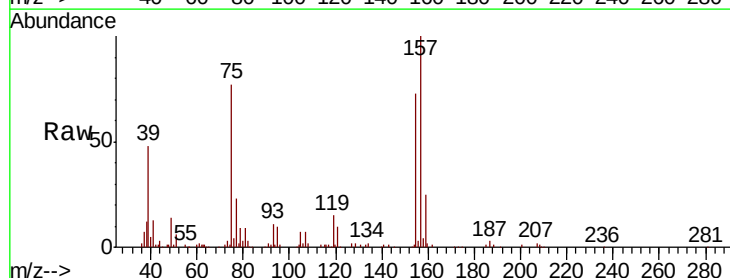
RT: 14.27 min Scan# 3887

Delta R.T. -0.00 min

Lab File: VN051719.D

Acq: 8 Oct 2018 8:18

Tgt Ion:	75	Resp:	79331
Ion	Ratio	Lower	Upper
75	100		
155	95.2	47.6	142.9
157	127.1	61.7	185.1

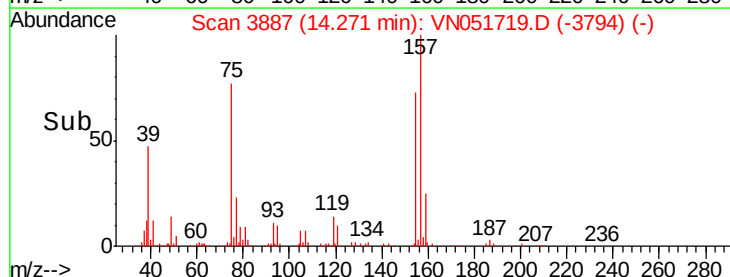
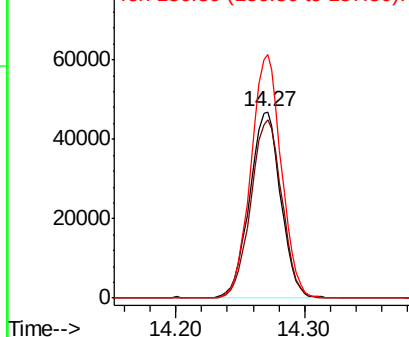


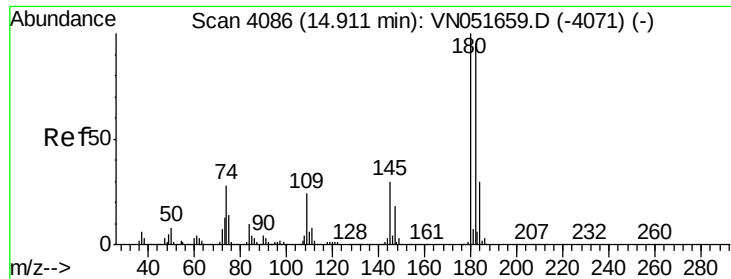
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





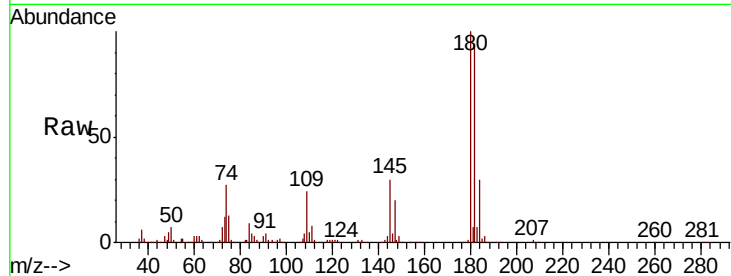
#93
 1,2,4-Trichlorobenzene
 Concen: 51.998 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN051719.D
 Acq: 8 Oct 2018 8:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.2	47.7	143.1	
145	29.9	15.3	45.9	

Manual Integrations
 APPROVED

MMDadoda
 10/10/2018 11:48:34 AM

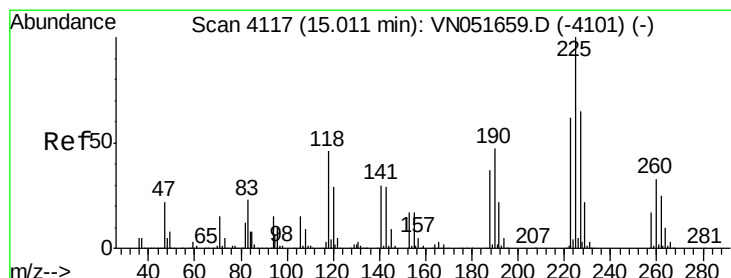
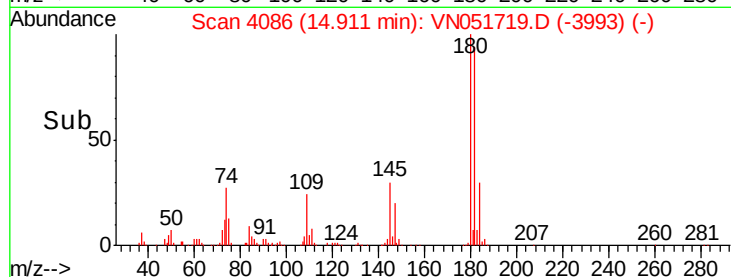
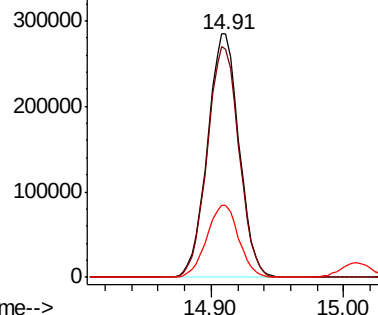


Abundance

Ion 179.80 (179.50 to 180.50): V

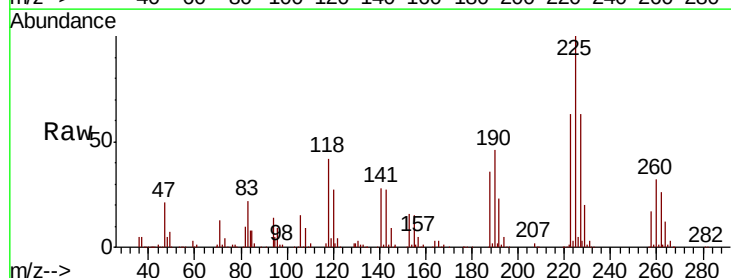
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 50.562 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN051719.D
 Acq: 8 Oct 2018 8:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.5	31.9	95.5	
227	63.7	31.7	95.1	

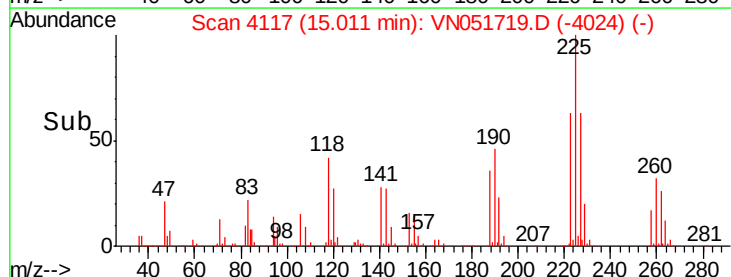
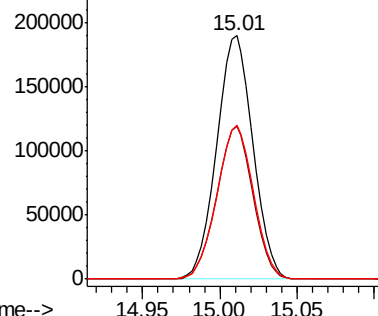


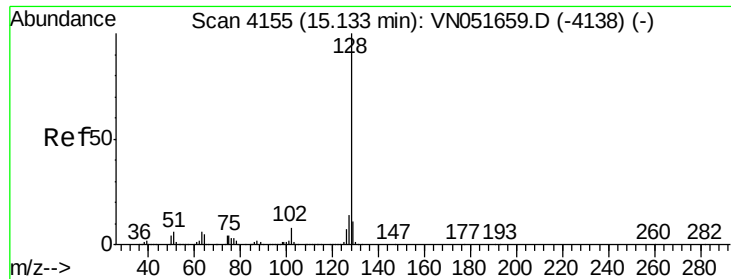
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





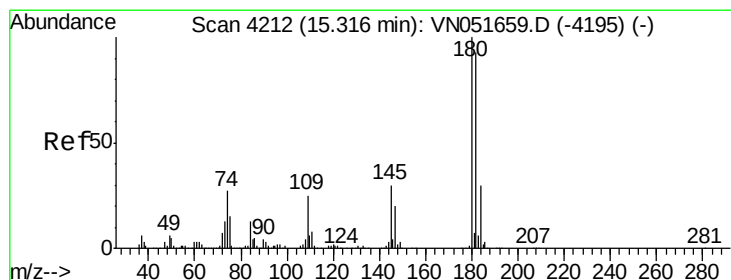
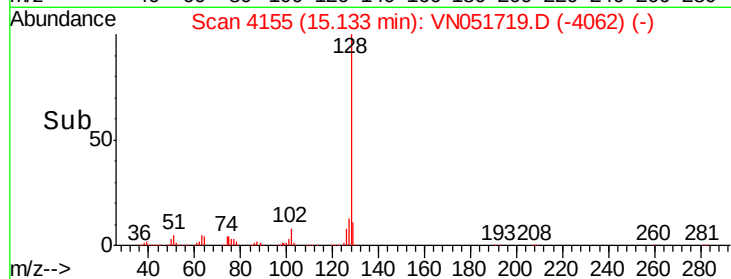
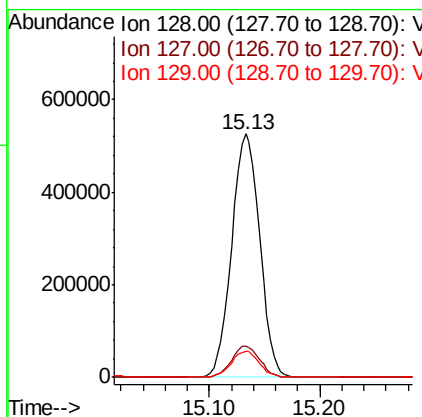
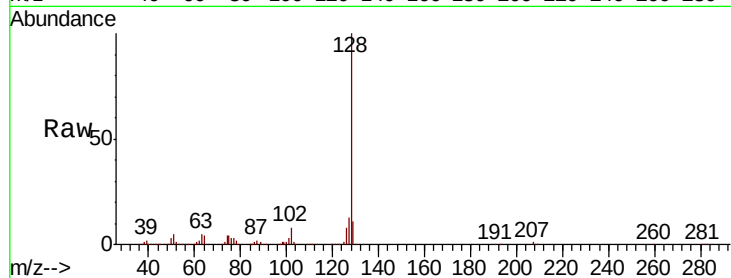
#95
Naphthalene
Concen: 47.440 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	15.8
129	10.7	9.0	13.6

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 49.930 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.3	141.8
145	31.2	15.6	46.8

