

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111618\
 Data File : VN052352.D
 Acq On : 16 Nov 2018 8:52
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 11/19/2018 12:45:40 PM

Quant Time: Nov 16 23:01:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110118W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 02 05:39:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	46746	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	277976	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	244773	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	116378	33.54	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	111.80%
60) 4-Bromofluorobenzene	12.40	95	117239	29.94	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.80%
63) Toluene-d8	10.09	98	345959	30.06	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	75069	24.044 ug/l	98
3) Chloromethane	2.06	50	81737	22.907 ug/l	99
4) Vinyl Chloride	2.19	62	71285	20.365 ug/l	99
5) Bromomethane	2.56	94	42645	17.849 ug/l	98
6) Chloroethane	2.71	64	39734	17.753 ug/l	99
7) Trichlorofluoromethane	3.02	101	101054	21.319 ug/l	99
8) Diethyl Ether	3.41	74	35300	22.056 ug/l	81
9) 1,1,2-Trichlorotrifluoroet	3.76	101	63647	22.973 ug/l	97
10) 1,1-Dichloroethene	3.74	96	52467	20.296 ug/l	95
11) Methyl Iodide	3.96	142	75999	20.333 ug/l	97
12) Methyl Acetate	4.32	43	58670	26.964 ug/l	100
13) Acrolein	3.60	56	27399	118.718 ug/l	99
14) Acrylonitrile	4.98	53	105253	109.078 ug/l	98
15) Acetone	3.82	58	31795	139.418 ug/l #	66
16) Carbon Disulfide	4.06	76	134896	17.673 ug/l	99
17) Allyl chloride	4.33	41	105178	23.963 ug/l	97
18) Methylene Chloride	4.55	84	66518	20.847 ug/l	87
19) trans-1,2-Dichloroethene	5.04	96	57052	20.143 ug/l	93
20) Diisopropyl ether	5.95	45	240614	25.227 ug/l	99
21) 1,1-Dichloroethane	5.85	63	125394	22.497 ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	68636	20.752 ug/l	91
23) tert-Butyl Alcohol	4.77	59	14458m	96.167 ug/l	
24) Methyl tert-Butyl Ether	5.04	73	160955	21.962 ug/l	93
25) Chloroform	7.37	83	132743	23.718 ug/l	94
26) Cyclohexane	7.65	56	107723	21.559 ug/l #	87
29) 1,1-Dichloropropene	7.79	75	90032	20.400 ug/l	98
30) 2-Butanone	6.83	43	149171	126.923 ug/l #	82
31) 2,2-Dichloropropane	6.82	77	96535	21.234 ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	104990	21.262 ug/l	96
33) Carbon Tetrachloride	7.77	117	88835	20.229 ug/l	95
34) Benzene	8.04	78	264698	20.484 ug/l	96
35) Methacrylonitrile	7.17	41	34478	21.388 ug/l #	79
36) 1,2-Dichloroethane	8.12	62	97930	22.666 ug/l	97
37) Trichloroethene	8.83	130	66587	20.588 ug/l	84
38) Methylcyclohexane	9.08	83	102312	19.004 ug/l	95
39) 1,2-Dichloropropane	9.12	63	74659	21.704 ug/l	94
40) Dibromomethane	9.21	93	42363	19.980 ug/l	95

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Manual Integrations
 APPROVED

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 11/19/2018 12:45:40 PM

Quant Time: Nov 16 23:01:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110118W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 02 05:39:38 2018
 Response via : Initial Calibration

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

41) Bromodichloromethane	9.40	83	93187	21.481	ug/l	100
42) Vinyl Acetate	5.89	43	802849	116.686	ug/l	97
43) Ethyl Acetate	6.83	43	149171	25.256	ug/l #	86
44) Isopropyl Acetate	8.16	43	116452m	23.813	ug/l	
45) 1,4-Dioxane	9.19	88	7167	321.264	ug/l #	85
46) Methyl methacrylate	9.20	41	58461	24.016	ug/l	89
47) n-amyl Acetate	12.07	43	97204	21.929	ug/l #	100
48) t-1,3-Dichloropropene	10.38	75	90253	20.951	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	107341	21.589	ug/l #	84
50) 1,1,2-Trichloroethane	10.56	97	57593	20.542	ug/l	95
51) Ethyl methacrylate	10.43	69	73716	20.344	ug/l	81
52) 1,3-Dichloropropane	10.71	76	101093	20.700	ug/l	99
53) Dibromochloromethane	10.90	129	63614	21.017	ug/l	98
54) 1,2-Dibromoethane	11.00	107	54126	19.037	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	209202	105.432	ug/l	98
56) Bromoform	12.12	173	34741	19.872	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	303578	115.743	ug/l	95
59) 2-Hexanone	10.75	43	220336	122.007	ug/l	94
61) Tetrachloroethene	10.63	164	59050	22.182	ug/l	91
62) Toluene	10.15	91	285886	20.806	ug/l	99
64) Chlorobenzene	11.43	112	176431	20.260	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	61355	20.700	ug/l	96
66) Ethyl Benzene	11.51	91	312042	21.024	ug/l	98
67) m/p-Xylenes	11.62	106	231826	40.570	ug/l	97
68) o-Xylene	11.94	106	111638	20.492	ug/l	97
69) Styrene	11.96	104	180937	20.610	ug/l	97
70) Isopropylbenzene	12.25	105	309930	21.192	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	67647	21.029	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	62048m	21.938	ug/l	
73) Bromobenzene	12.52	156	68154	21.031	ug/l	96
74) n-propylbenzene	12.59	91	366411	21.515	ug/l	98
75) 2-Chlorotoluene	12.67	91	209983	21.386	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	255479	21.785	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	17151	19.380	ug/l	85
78) 4-Chlorotoluene	12.77	91	211478	21.388	ug/l	98
79) tert-butylbenzene	12.99	119	220234	21.559	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	253839	21.727	ug/l	99
81) sec-Butylbenzene	13.17	105	305984	21.765	ug/l	100
82) p-Isopropyltoluene	13.29	119	255209	21.481	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	125937	21.971	ug/l	96
84) 1,4-Dichlorobenzene	13.36	146	119285	21.021	ug/l	98
85) n-Butylbenzene	13.61	91	220711	21.464	ug/l	98
86) Hexachloroethane	13.87	117	44694	22.292	ug/l	93
87) 1,2-Dichlorobenzene	13.65	146	121308	22.275	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.27	75	9305	21.154	ug/l	94
89) 1,2,4-Trichlorobenzene	14.91	180	47679	21.567	ug/l	98
90) Hexachlorobutadiene	15.01	225	31385	25.949	ug/l	98
91) Naphthalene	15.13	128	94058	18.459	ug/l	98
92) 1,2,3-Trichlorobenzene	15.31	180	41427	21.501	ug/l	99

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Instrument :
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ClientSampleId :
VSTDCCC020

Manual Integrations
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 02 05:39:38 2018
Response via : Initial Calibration

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

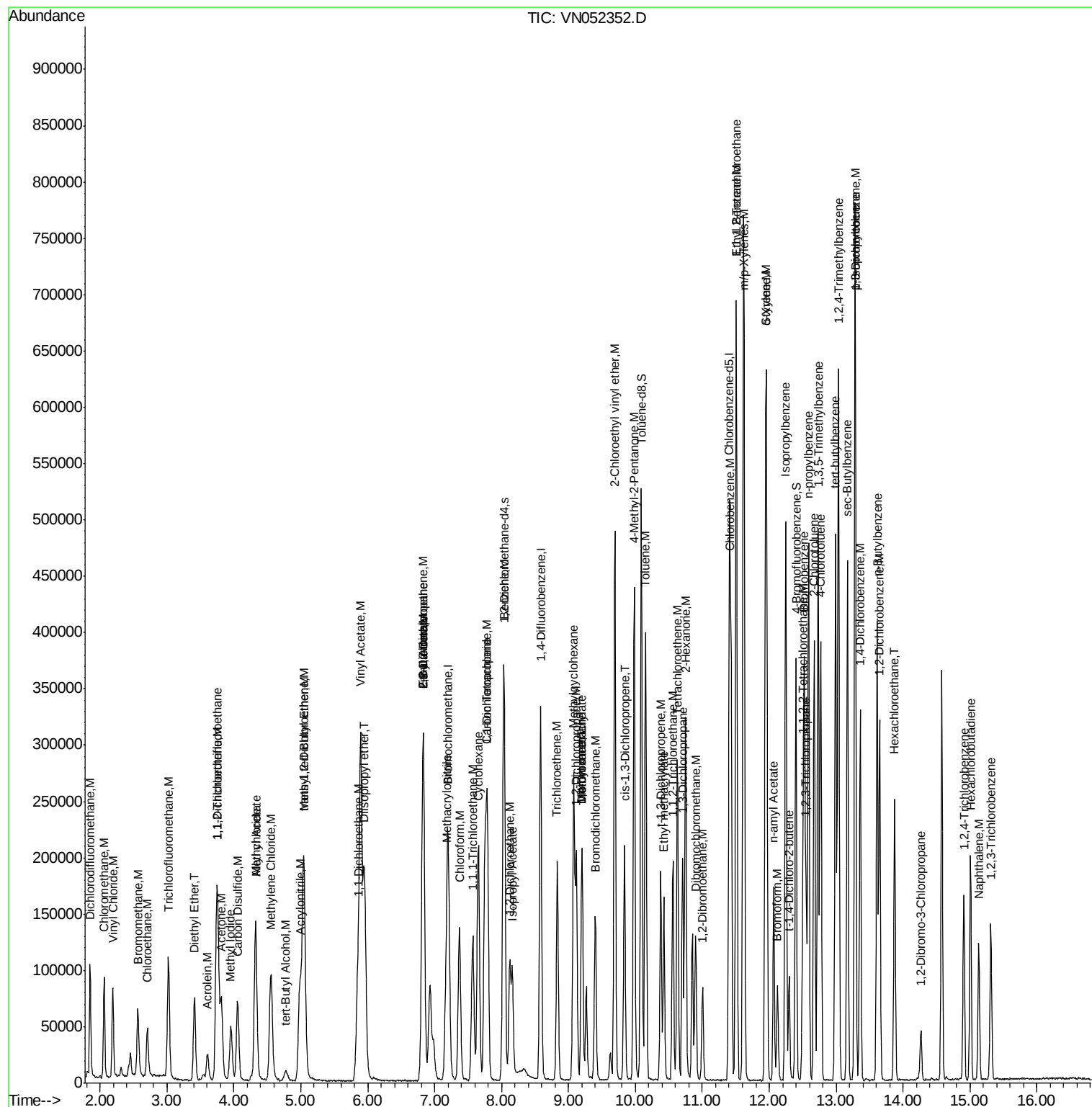
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 Data File : VN052352.D
 Acq On : 16 Nov 2018 8:52
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 ALS Vial : 3 Sample Multiplier: 28

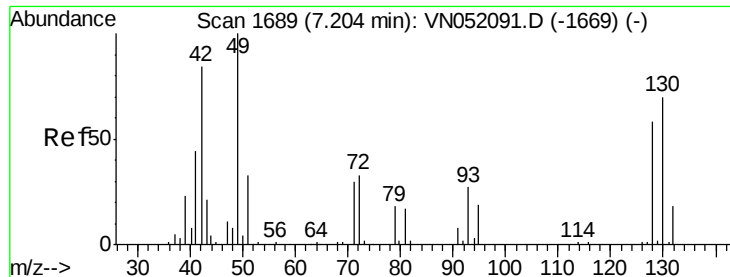
Instrument :
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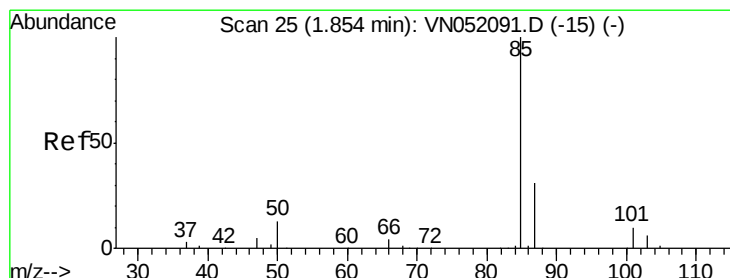
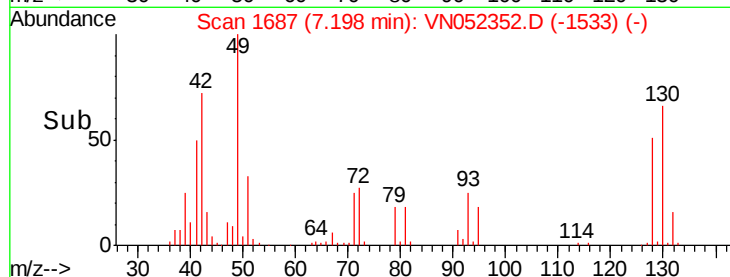
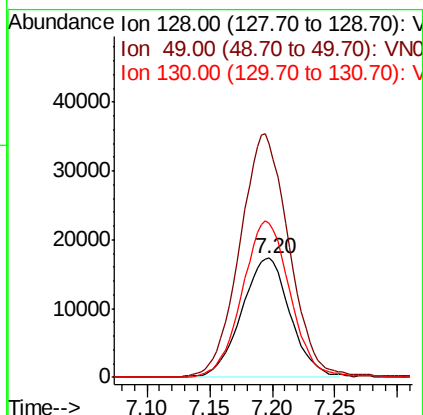
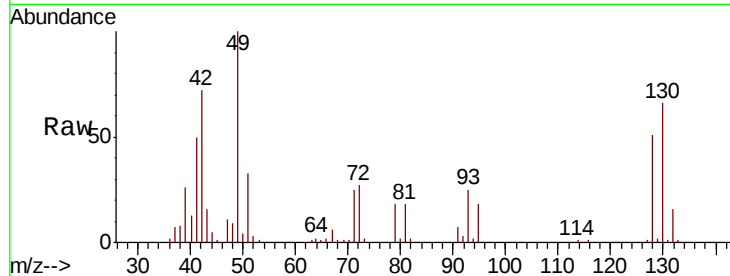
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. -0.01 min
Lab File: VN052352.D
Acq: 16 Nov 2018 8:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
128	100		
49	206.6	0.0	453.7
130	129.3	0.0	308.8

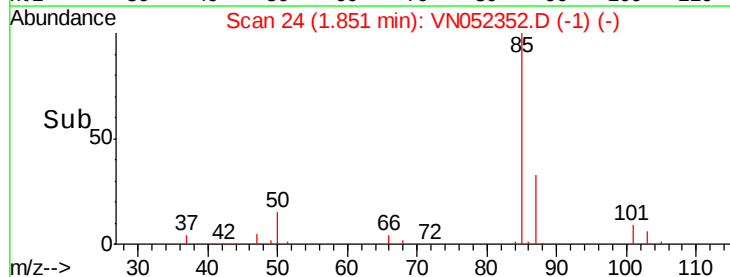
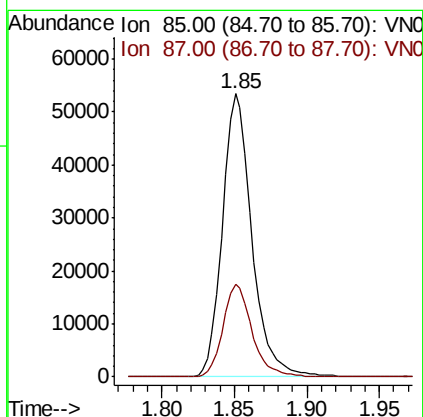
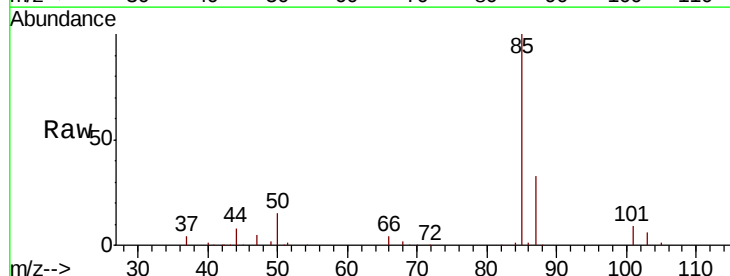
Manual Integrations
APPROVED

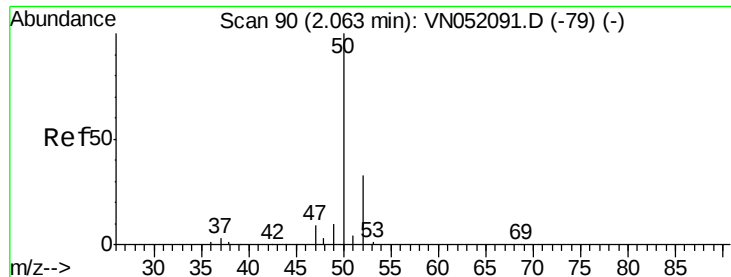
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11/19/2018 12:45:40 PM



#2
Dichlorodifluoromethane
Concen: 24.044 ug/l
RT: 1.85 min Scan# 24
Delta R.T. -0.00 min
Lab File: VN052352.D
Acq: 16 Nov 2018 8:52

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.8	15.7	47.1





#3

Chloromethane

Concen: 22.907 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052352.D

Acq: 16 Nov 2018 8:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 50 Resp: 81737

Ion Ratio Lower Upper

50 100

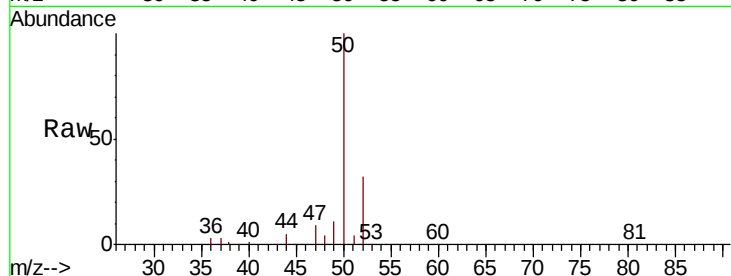
52 32.4 26.5 39.7

Manual Integrations

APPROVED

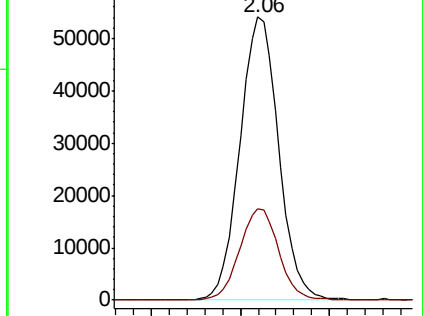
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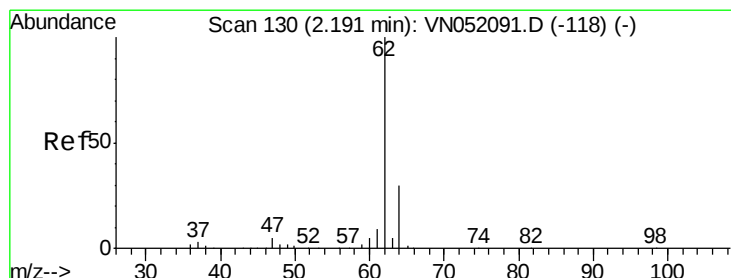
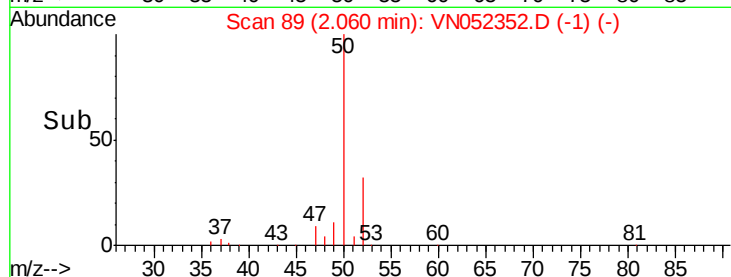


Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



Time-->



#4

Vinyl Chloride

Concen: 20.365 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN052352.D

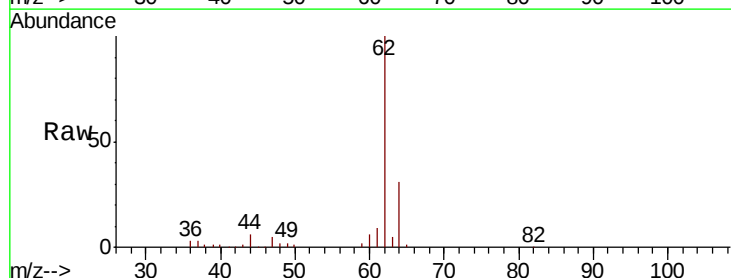
Acq: 16 Nov 2018 8:52

Tgt Ion: 62 Resp: 71285

Ion Ratio Lower Upper

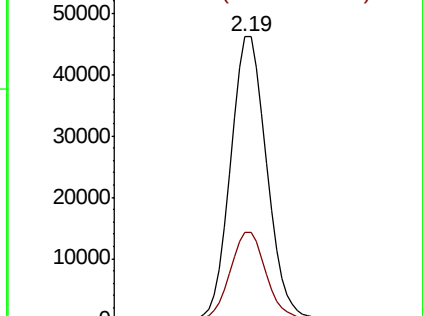
62 100

64 30.9 24.2 36.4

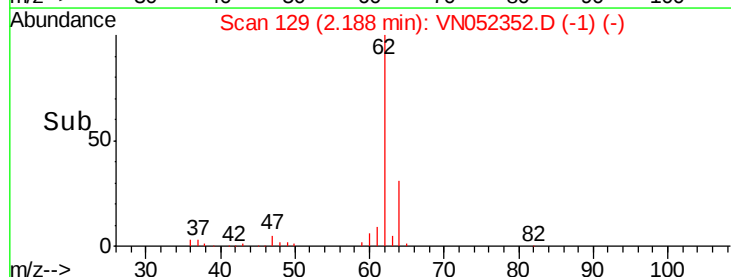


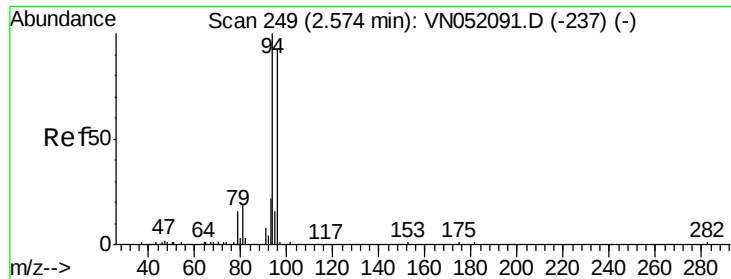
Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0



Time-->





#5

Bromomethane

Concen: 17.849 ug/l

RT: 2.56 min Scan# 246

Delta R.T. -0.01 min

Lab File: VN052352.D

Acq: 16 Nov 2018 8:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 94 Resp: 42645

Ion Ratio Lower Upper

94 100

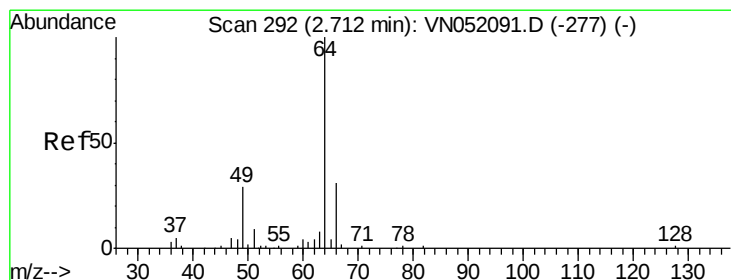
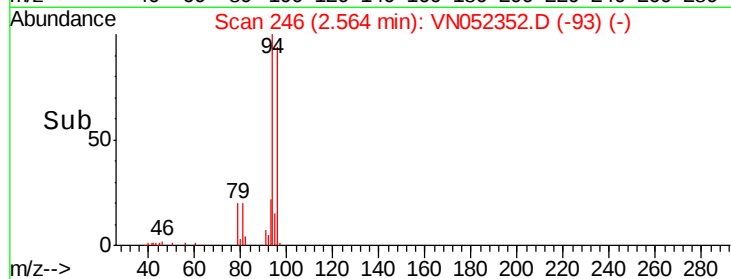
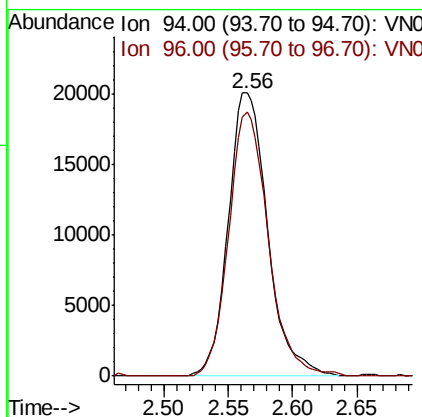
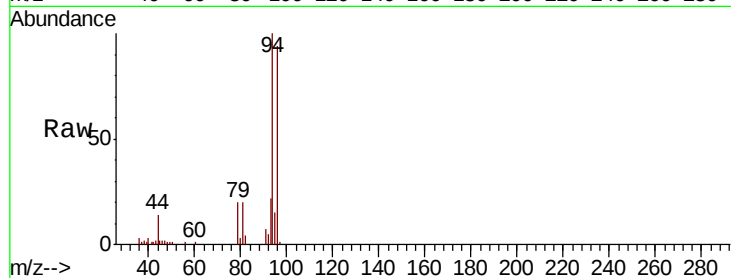
96 93.5 73.4 110.0

Manual Integrations

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#6

Chloroethane

Concen: 17.753 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN052352.D

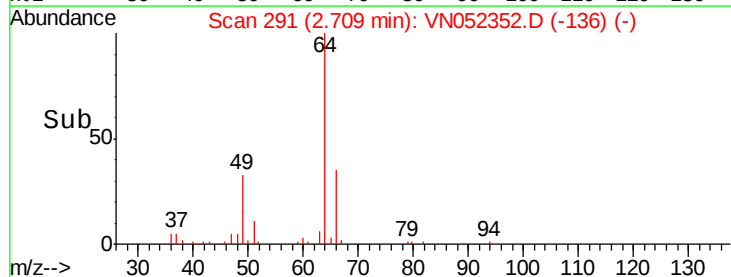
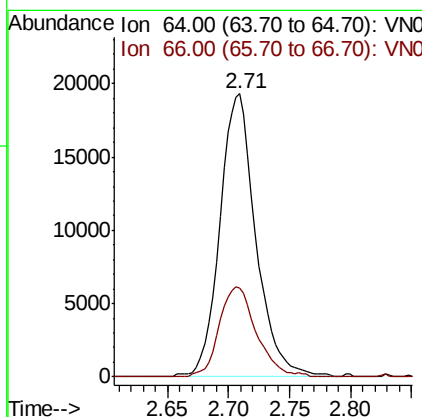
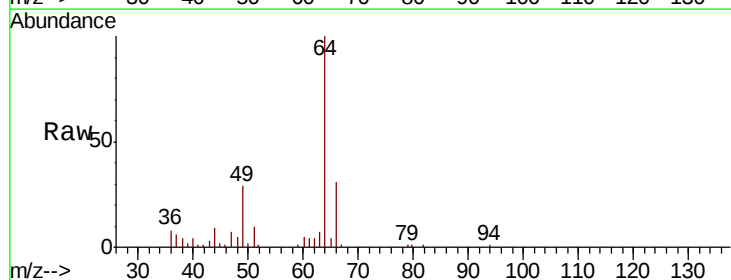
Acq: 16 Nov 2018 8:52

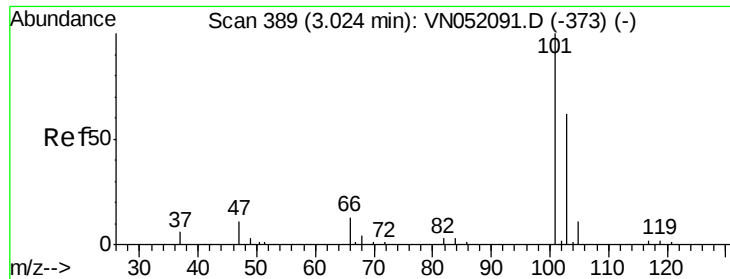
Tgt Ion: 64 Resp: 39734

Ion Ratio Lower Upper

64 100

66 31.4 24.7 37.1





#7

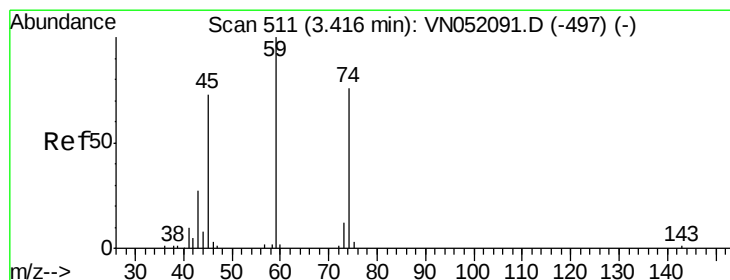
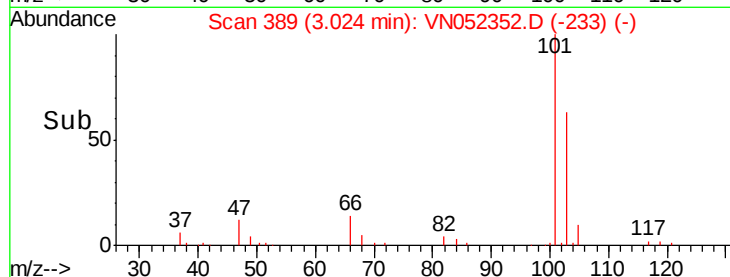
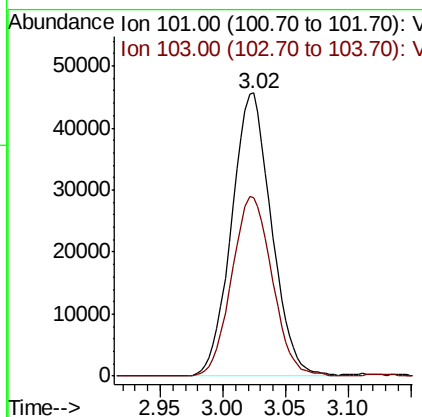
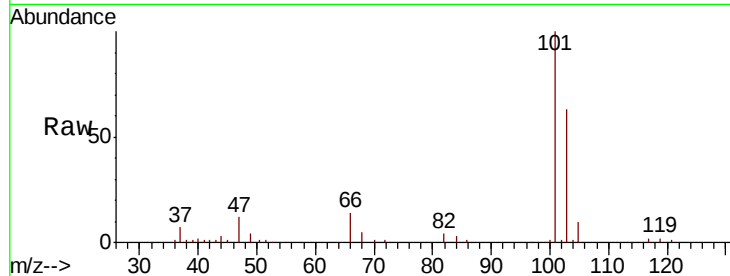
Trichlorofluoromethane
Concen: 21.319 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN052352.D
Acq: 16 Nov 2018 8:52

Instrument :
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ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.0	49.5	74.3

Manual Integrations
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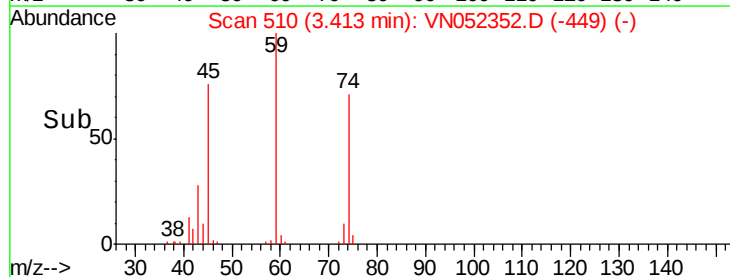
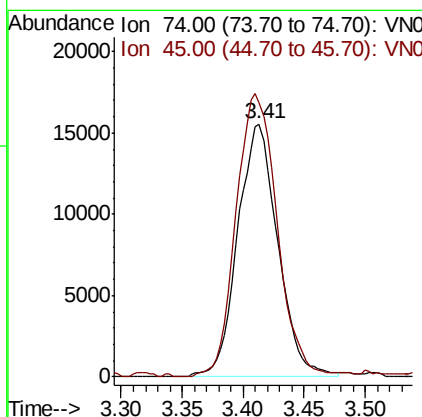
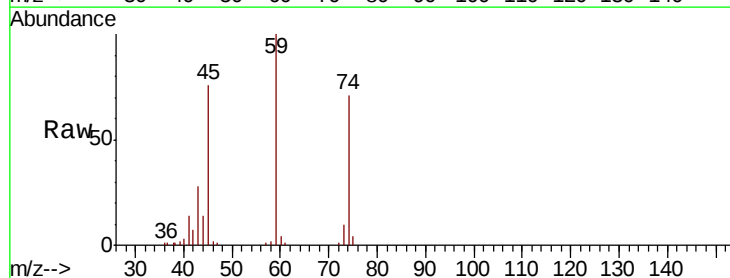
MMDadoda
11/19/2018 12:45:40 PM

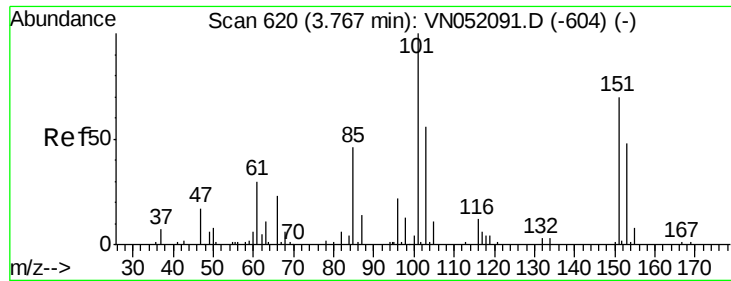


#8

Diethyl Ether
Concen: 22.056 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN052352.D
Acq: 16 Nov 2018 8:52

Tgt Ion	Ratio	Lower	Upper
74	100		
45	115.1	19.4	174.4





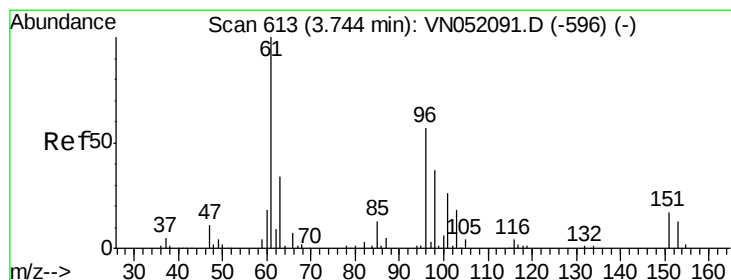
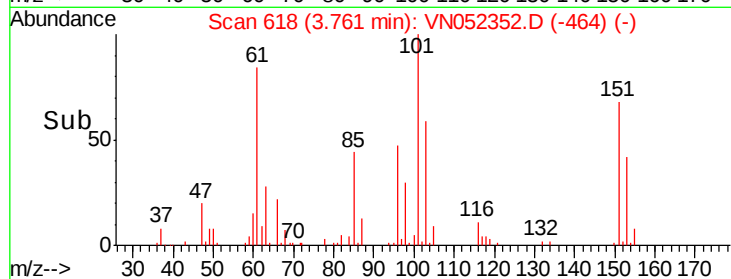
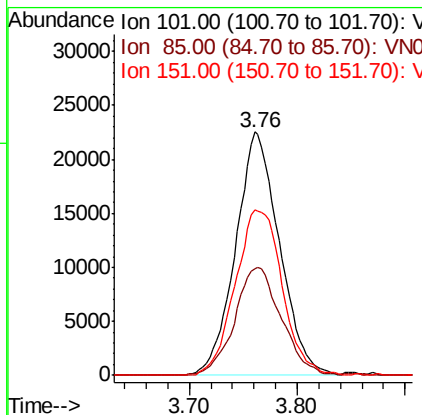
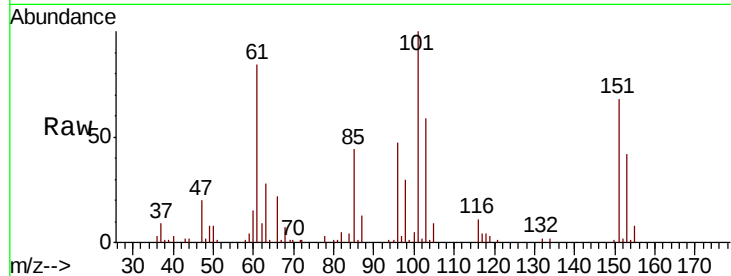
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 22.973 ug/l
 RT: 3.76 min Scan# 618
 Delta R.T. -0.01 min
 Lab File: VN052352.D
 Acq: 16 Nov 2018 8:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
101	100		
85	47.0	0.0	98.0
151	72.7	0.0	139.6

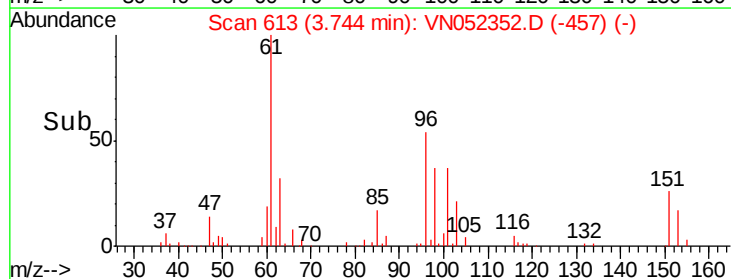
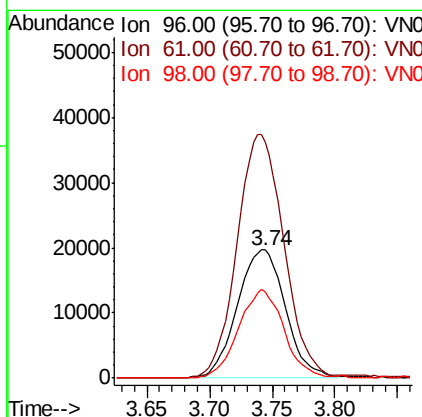
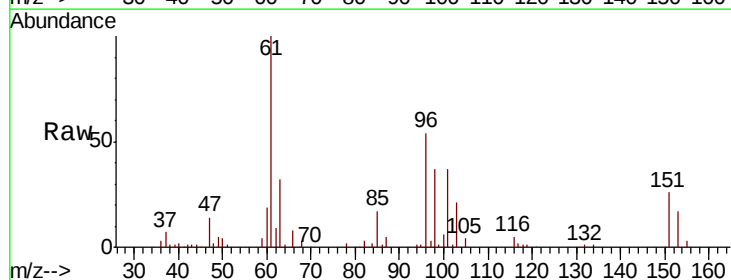
Manual Integrations
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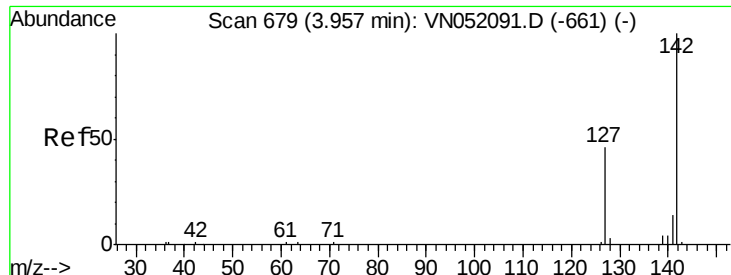
MMDadoda
 11/19/2018 12:45:40 PM



#10
 1,1-Dichloroethene
 Concen: 20.296 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VN052352.D
 Acq: 16 Nov 2018 8:52

Tgt Ion	Ratio	Lower	Upper
96	100		
61	183.9	140.3	210.5
98	67.6	52.0	78.0





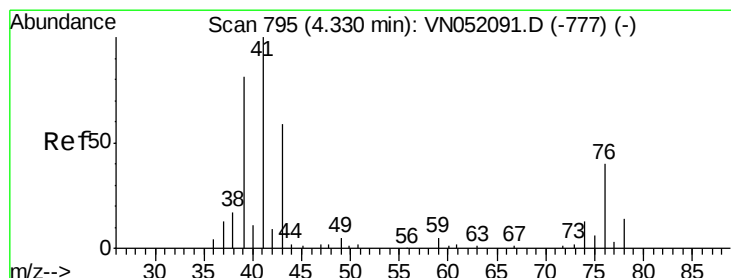
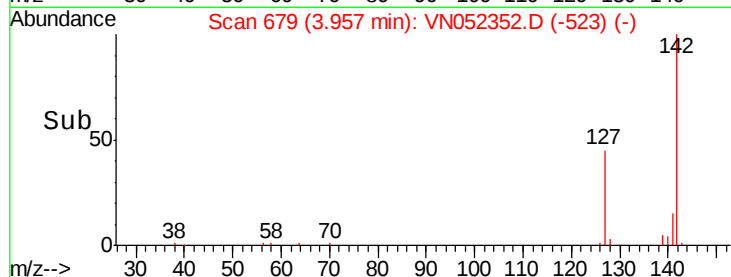
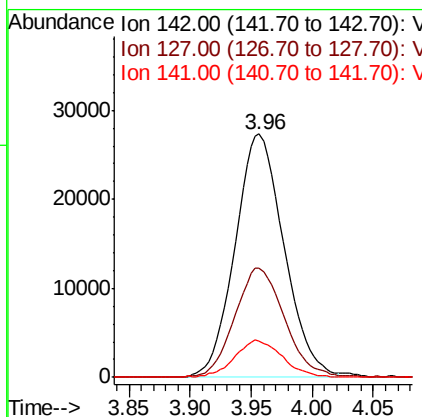
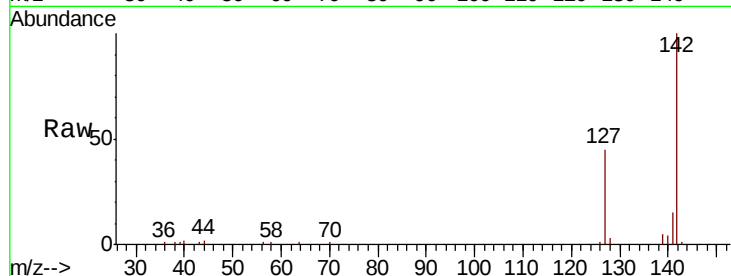
#11
Methyl Iodide
Concen: 20.333 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN052352.D
Acq: 16 Nov 2018 8:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	44.2	23.1	69.2
141	14.8	7.0	20.9

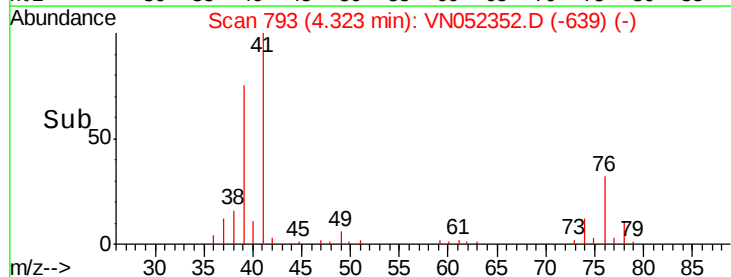
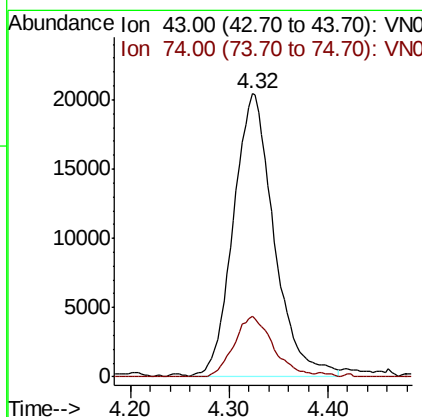
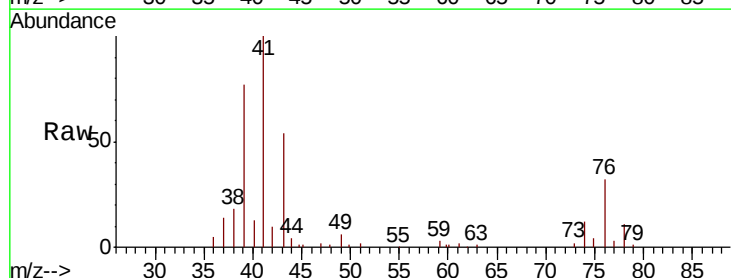
Manual Integrations
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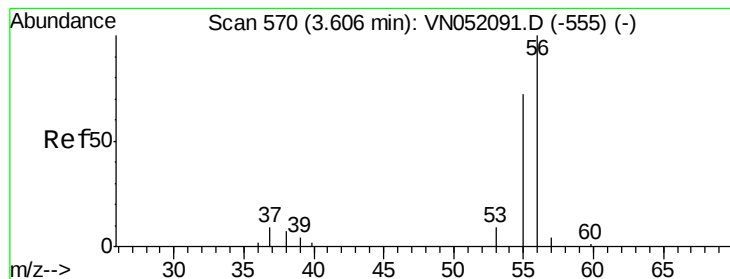
MMDadoda
11/19/2018 12:45:40 PM



#12
Methyl Acetate
Concen: 26.964 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.01 min
Lab File: VN052352.D
Acq: 16 Nov 2018 8:52

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.6	17.4	26.2





#13

Acrolein

Concen: 118.718 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN052352.D

Acq: 16 Nov 2018 8:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 56 Resp: 27399

Ion Ratio Lower Upper

56 100

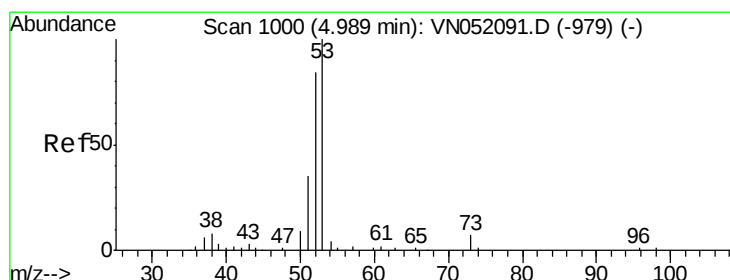
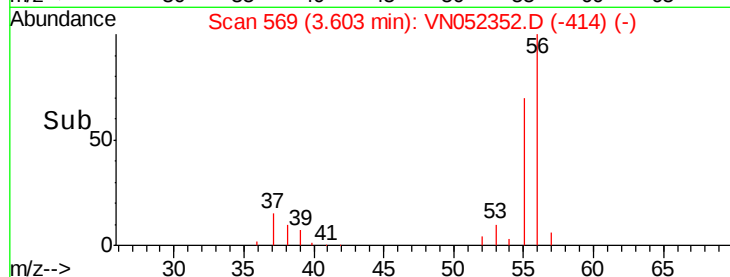
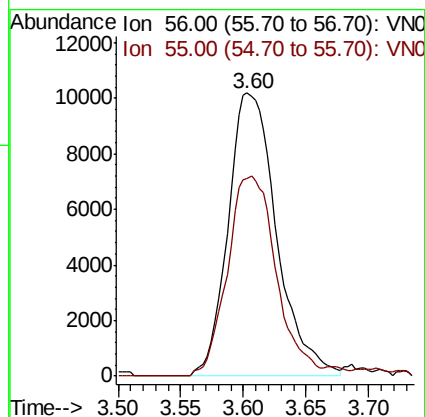
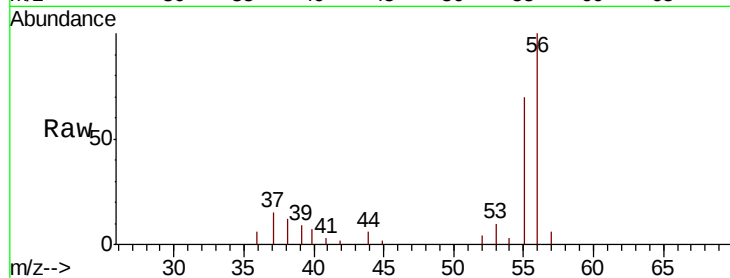
55 71.0 56.2 84.2

Manual Integrations

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#14

Acrylonitrile

Concen: 109.078 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.01 min

Lab File: VN052352.D

Acq: 16 Nov 2018 8:52

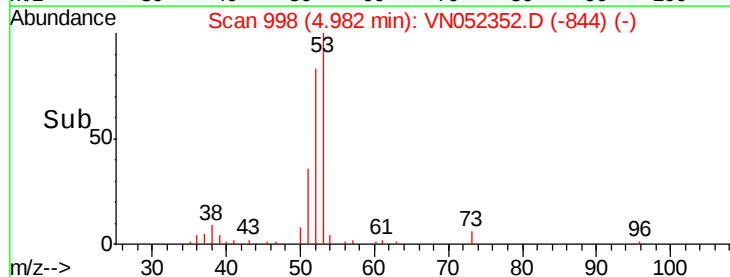
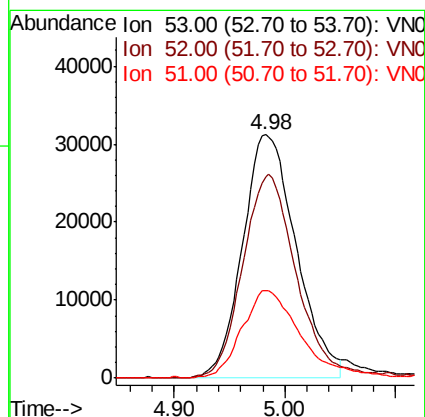
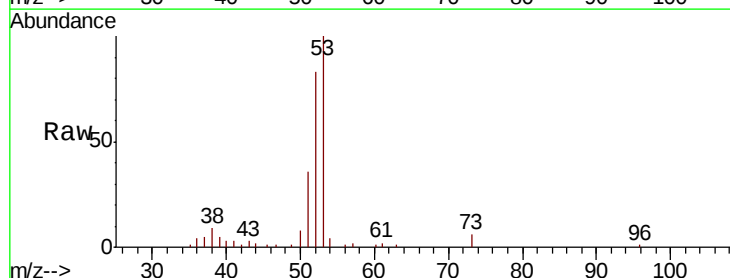
Tgt Ion: 53 Resp: 105253

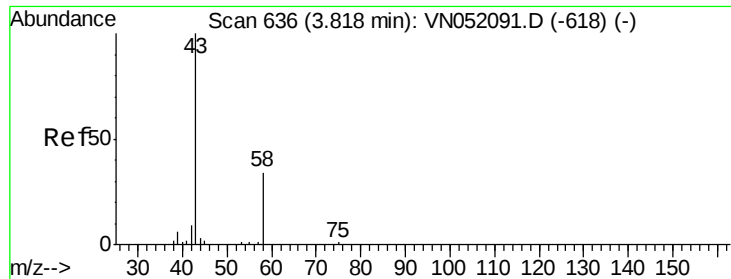
Ion Ratio Lower Upper

53 100

52 84.0 41.3 124.1

51 39.8 18.6 55.6





#15

Acetone

Concen: 139.418 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN052352.D

Acq: 16 Nov 2018 8:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 58 Resp: 31795

Ion Ratio Lower Upper

58 100

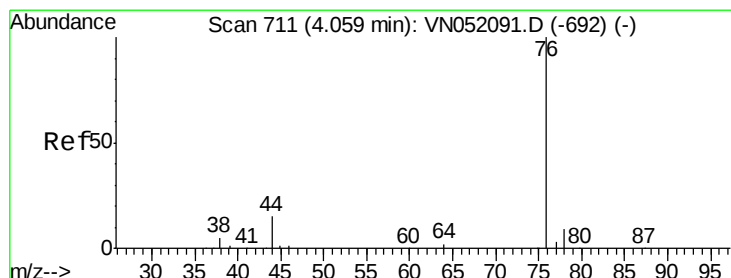
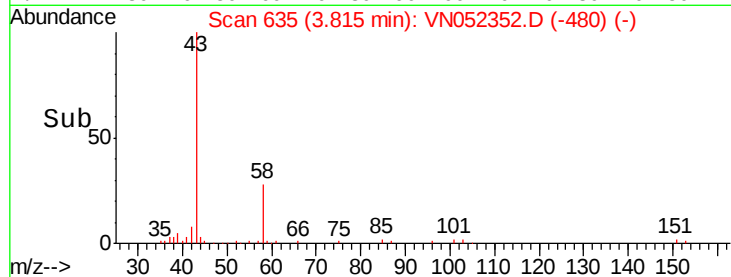
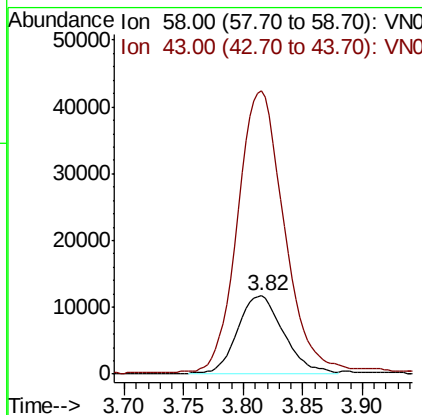
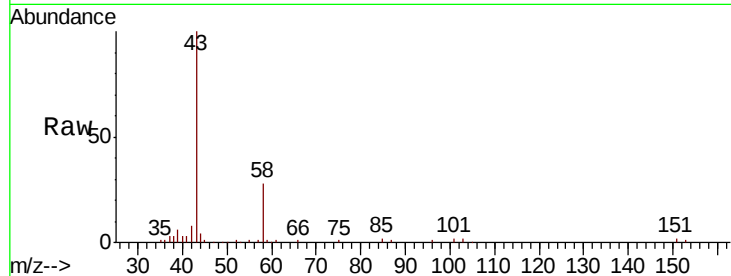
43 358.9 234.7 352.1#

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#16

Carbon Disulfide

Concen: 17.673 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN052352.D

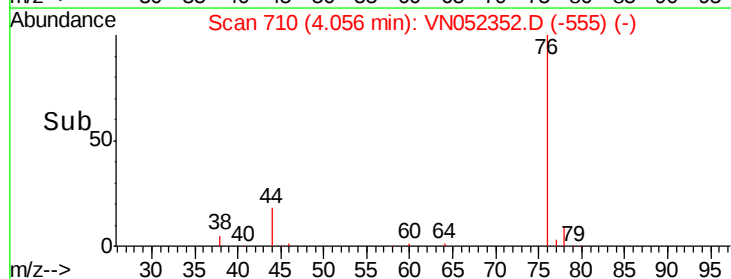
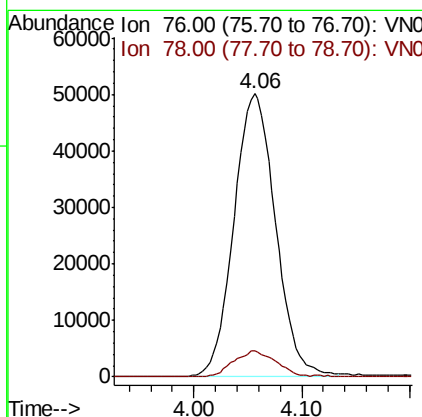
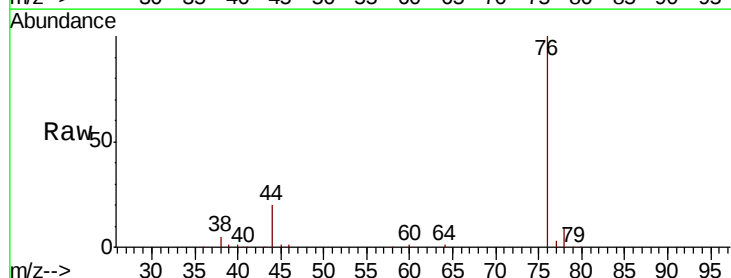
Acq: 16 Nov 2018 8:52

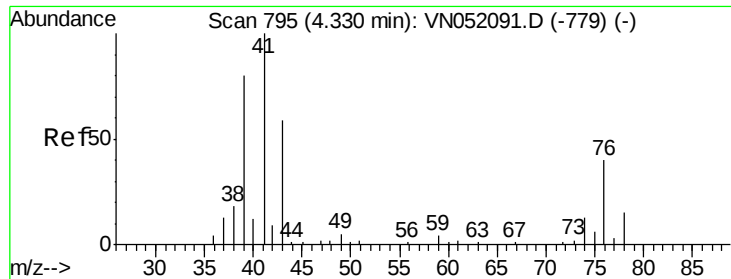
Tgt Ion: 76 Resp: 134896

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.6





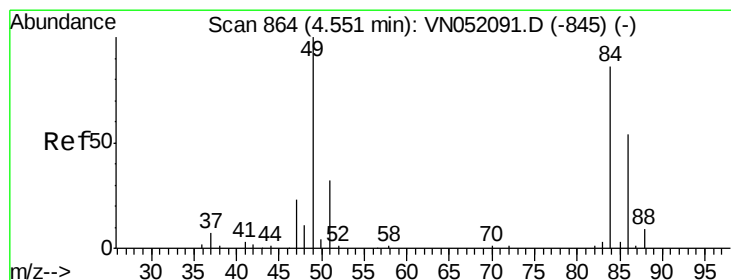
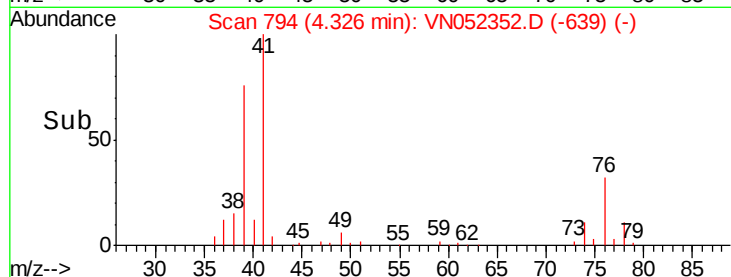
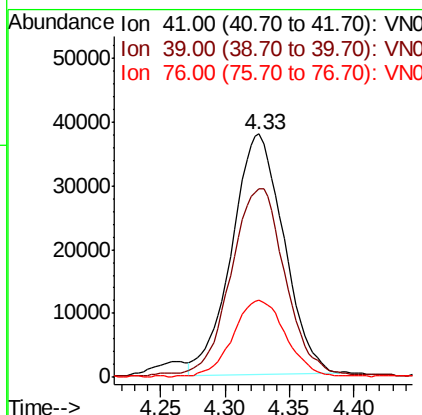
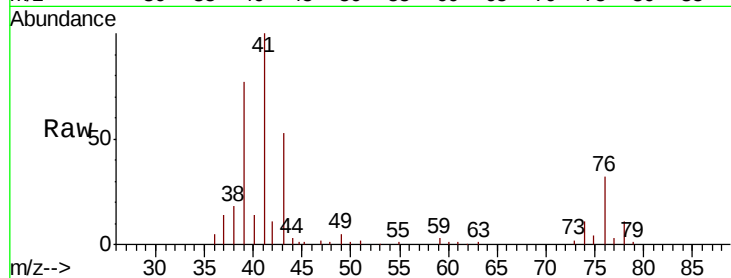
#17
Allvl chloride
Concen: 23.963 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN052352.D
Acq: 16 Nov 2018 8:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	77.0	38.4	115.1
76	31.6	18.8	56.3

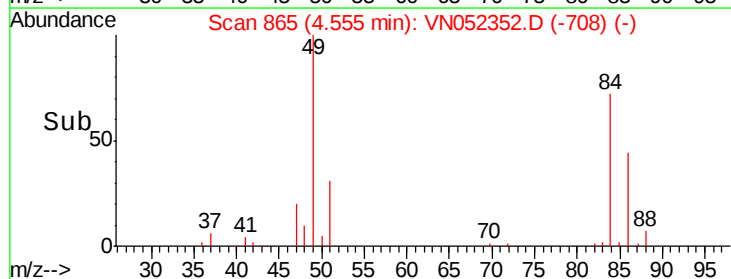
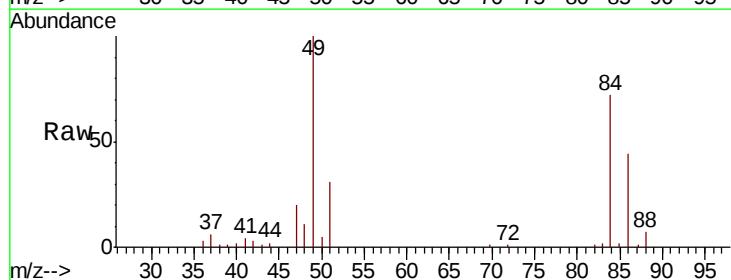
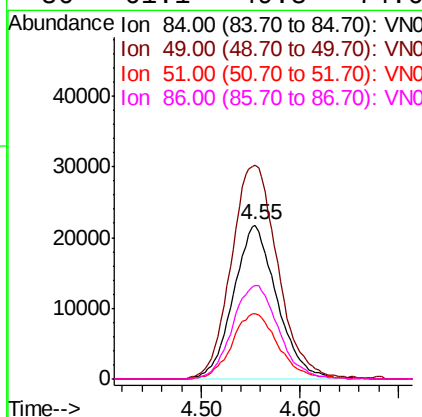
Manual Integrations
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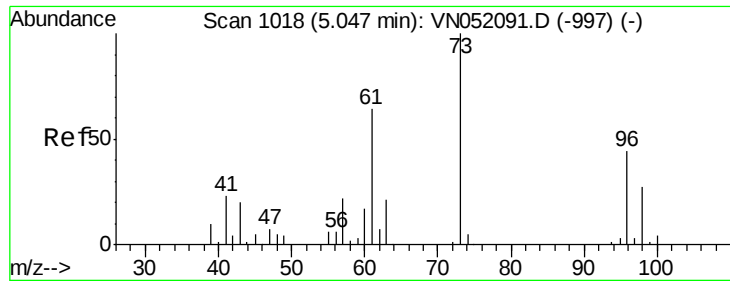
MMDadoda
11/19/2018 12:45:40 PM



#18
Methylene Chloride
Concen: 20.847 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052352.D
Acq: 16 Nov 2018 8:52

Tgt Ion	Ratio	Lower	Upper
84	100		
49	137.9	92.6	138.8
51	42.4	29.7	44.5
86	61.1	49.8	74.6





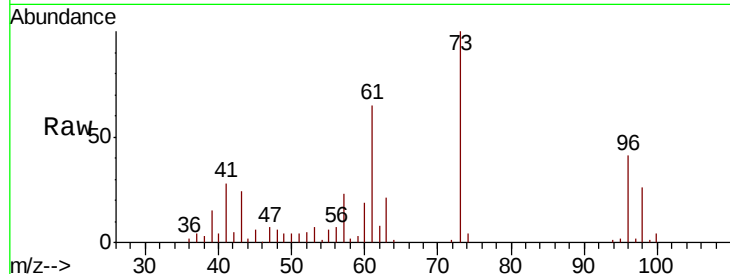
#19
trans-1,2-Dichloroethene
Concen: 20.143 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN052352.D
Acq: 16 Nov 2018 8:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	158.3	117.8	176.6
98	64.7	49.3	73.9

Manual Integrations
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MMDadoda
11/19/2018 12:45:40 PM

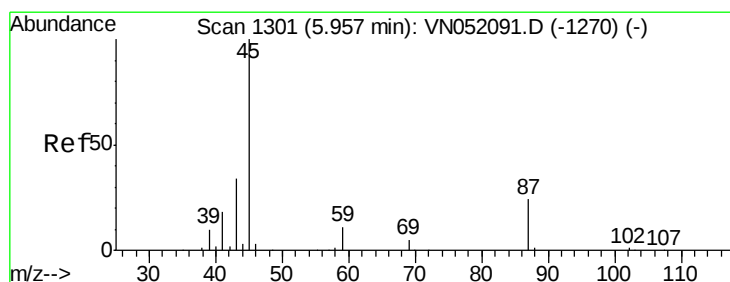
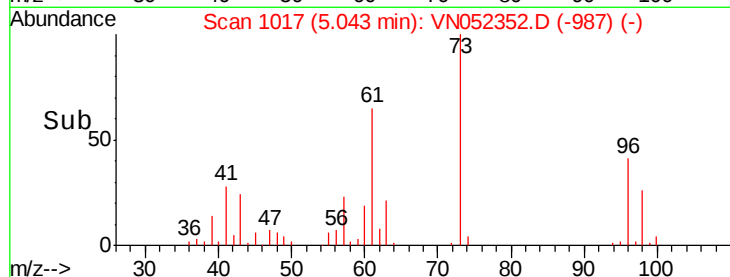
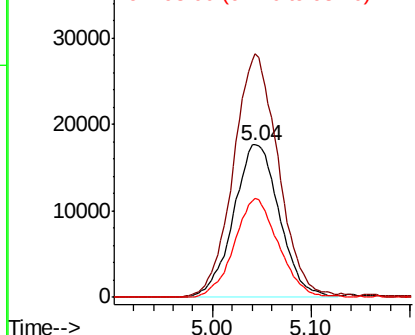


Abundance

Ion 96.00 (95.70 to 96.70): VN052091.D (-997) (-)

Ion 61.00 (60.70 to 61.70): VN052091.D (-997) (-)

Ion 98.00 (97.70 to 98.70): VN052091.D (-997) (-)



#20
Diisopropyl ether
Concen: 25.227 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN052352.D
Acq: 16 Nov 2018 8:52

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.1	49.4	74.0
87	23.5	20.3	30.5
59	10.7	8.6	12.8

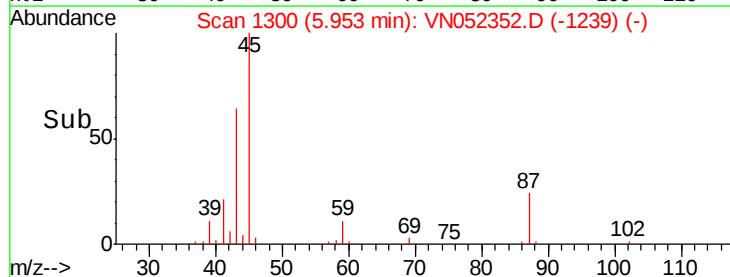
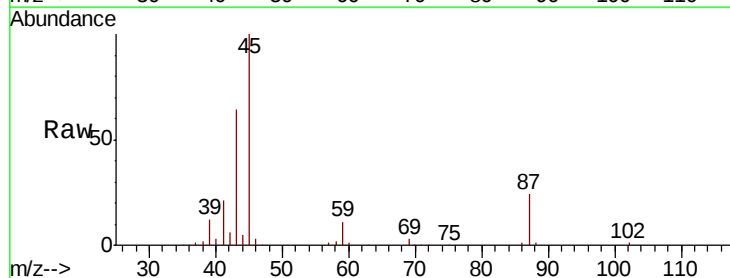
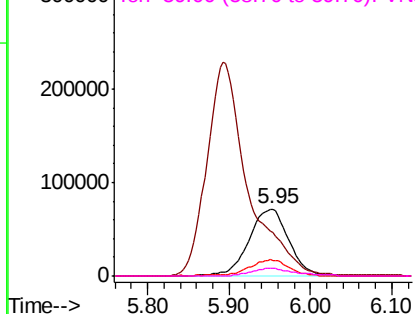
Abundance

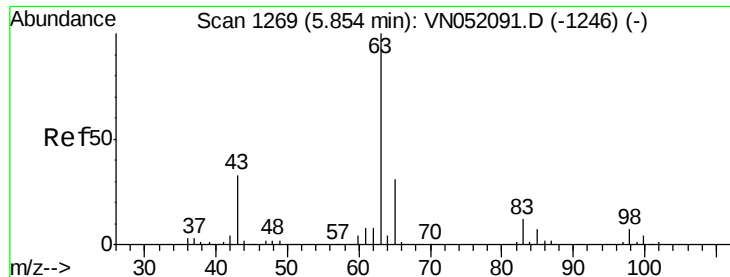
Ion 45.00 (44.70 to 45.70): VN052091.D (-1270) (-)

Ion 43.00 (42.70 to 43.70): VN052091.D (-1270) (-)

Ion 87.00 (86.70 to 87.70): VN052091.D (-1270) (-)

Ion 59.00 (58.70 to 59.70): VN052091.D (-1270) (-)





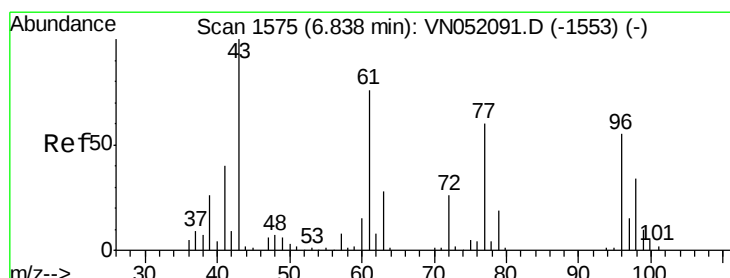
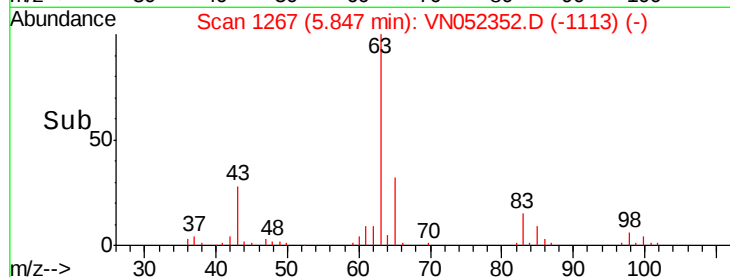
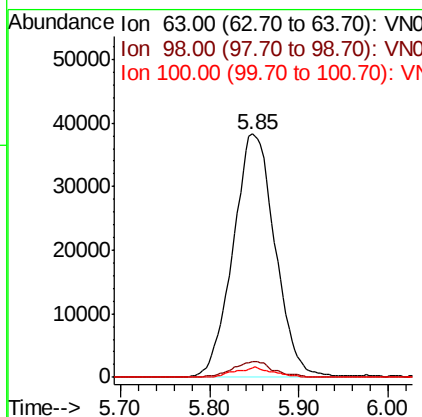
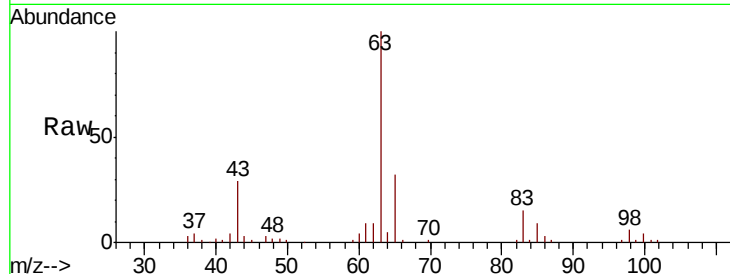
#21
 1,1-Dichloroethane
 Concen: 22.497 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: VN052352.D
 Acq: 16 Nov 2018 8:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
63	100	125394		
98	6.3	3.4	10.1	
100	3.9	2.0	5.8	

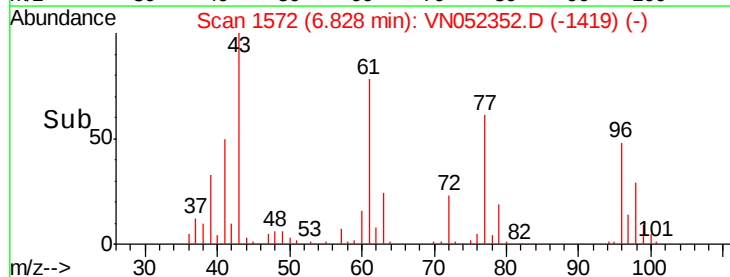
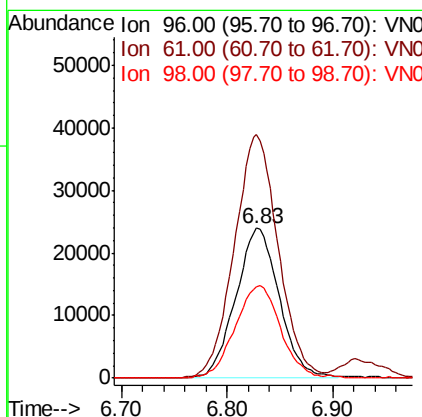
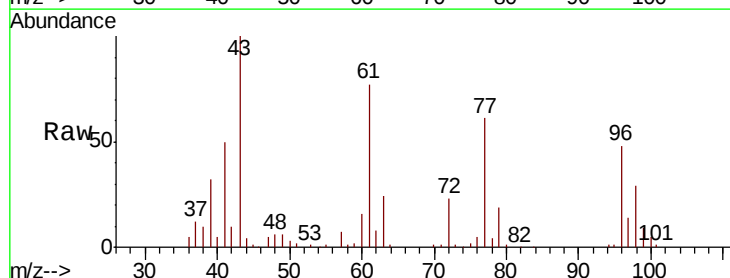
Manual Integrations
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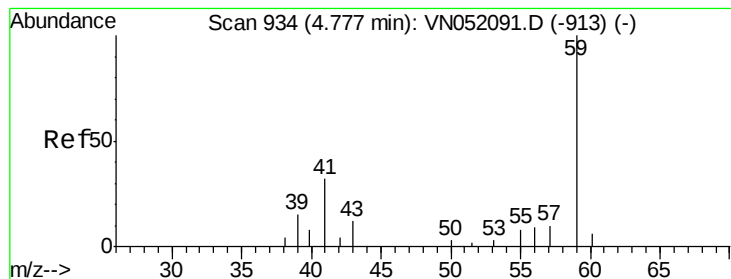
MMDadoda
 11/19/2018 12:45:40 PM



#22
 cis-1,2-Dichloroethene
 Concen: 20.752 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: VN052352.D
 Acq: 16 Nov 2018 8:52

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	68636		
61	164.0	117.6	176.4	
98	63.7	51.0	76.4	





#23

tert-Butyl Alcohol

Concen: 96.167 ug/l

RT: 4.77 min Scan# 933

Delta R.T. -0.00 min

Lab File: VN052352.D

Acq: 16 Nov 2018 8:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 59 Resp: 14458

Ion Ratio Lower Upper

59 100

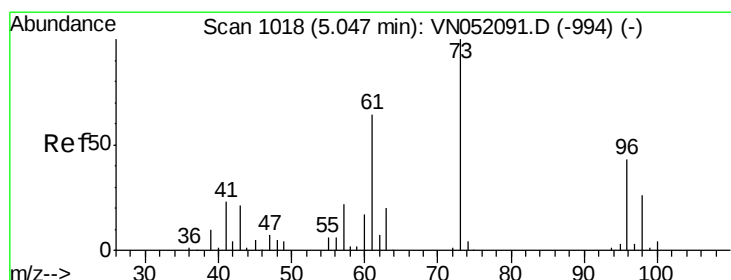
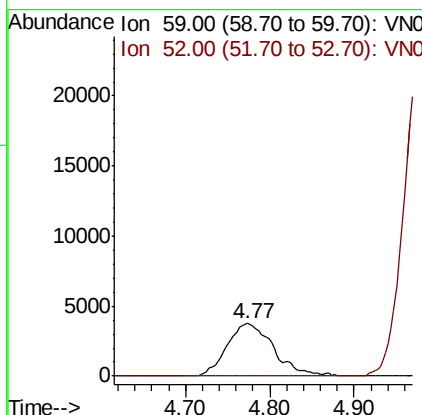
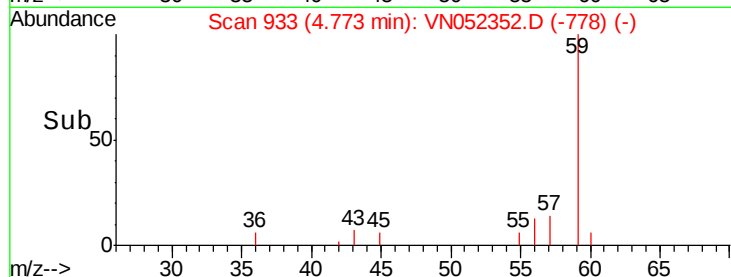
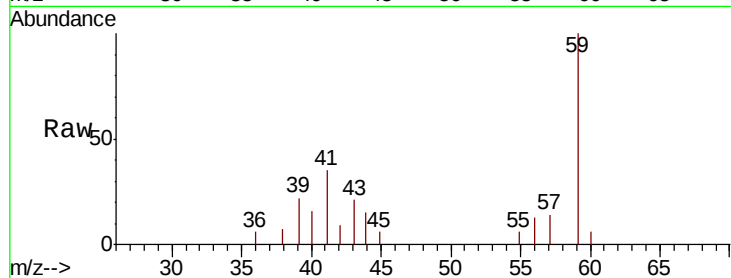
52 0.0 0.3 0.5#

Manual Integrations

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#24

Methyl tert-Butyl Ether

Concen: 21.962 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN052352.D

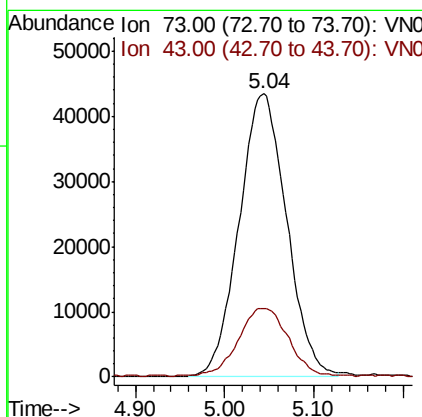
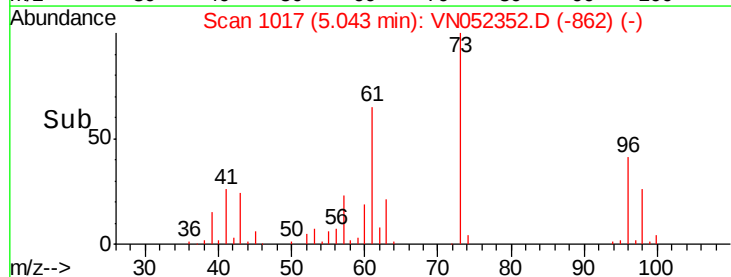
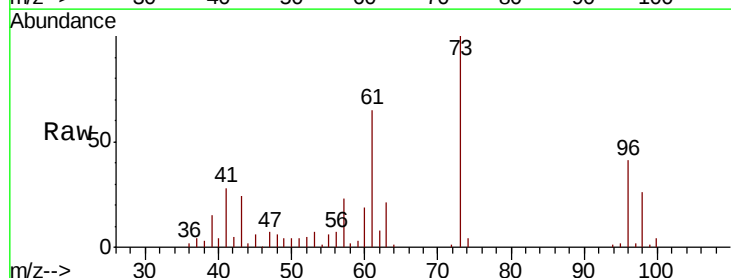
Acq: 16 Nov 2018 8:52

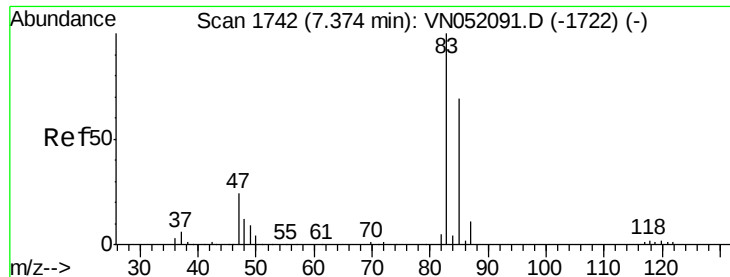
Tgt Ion: 73 Resp: 160955

Ion Ratio Lower Upper

73 100

43 25.1 17.4 26.2





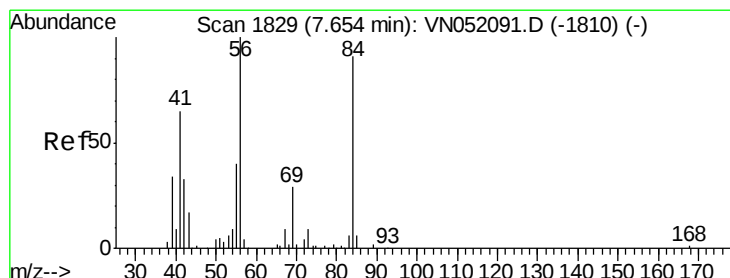
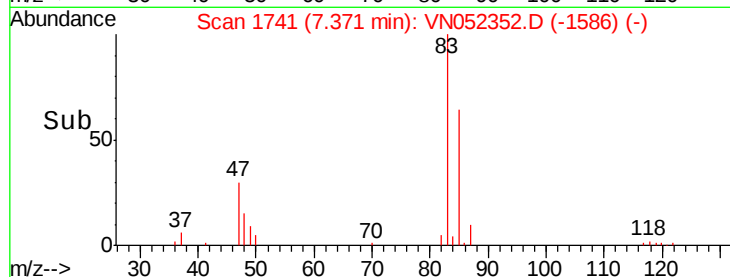
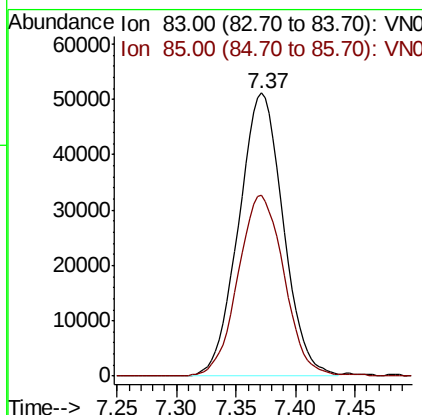
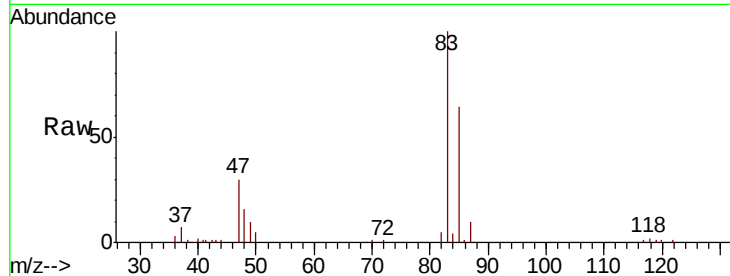
#25
Chloroform
Concen: 23.718 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN052352.D
Acq: 16 Nov 2018 8:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	83	Resp	132743
Ion Ratio	100	Lower	Upper
83	100		
85	63.4	54.9	82.3

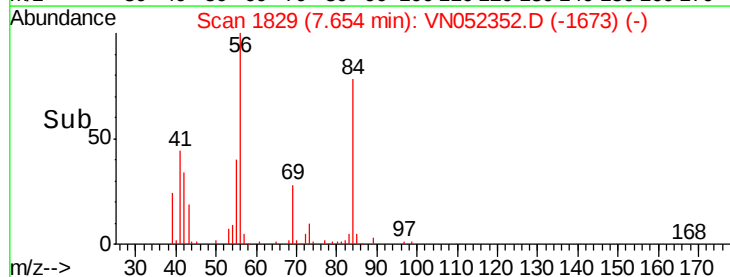
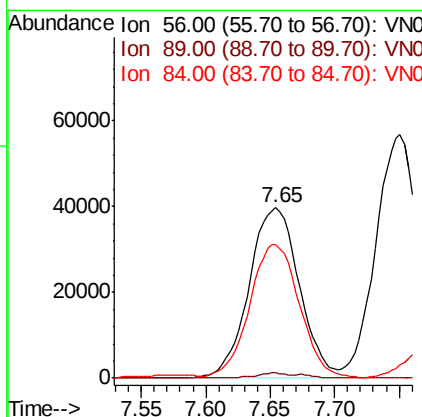
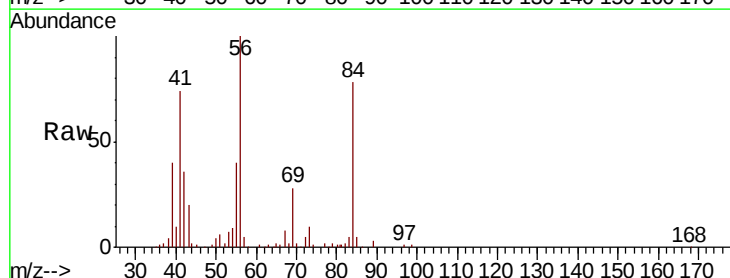
Manual Integrations
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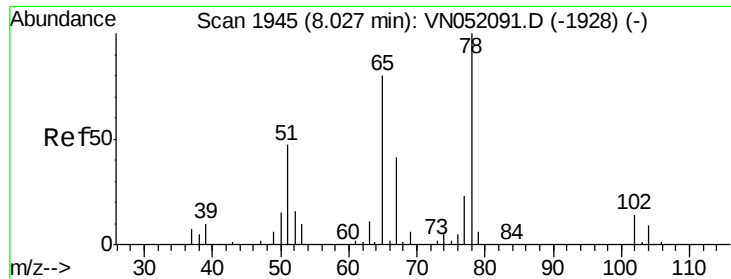
MMDadoda
11/19/2018 12:45:40 PM



#26
Cyclohexane
Concen: 21.559 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN052352.D
Acq: 16 Nov 2018 8:52

Tgt Ion	56	Resp	107723
Ion Ratio	100	Lower	Upper
56	100		
89	2.0	2.2	3.2#
84	76.7	71.0	106.6





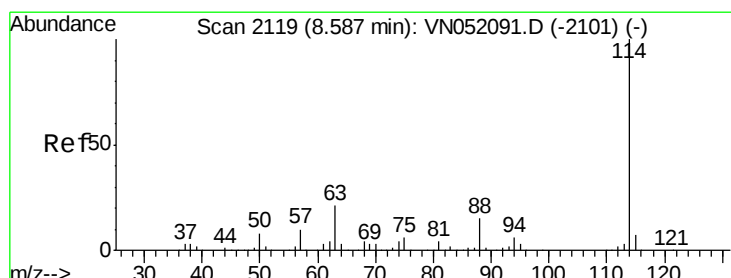
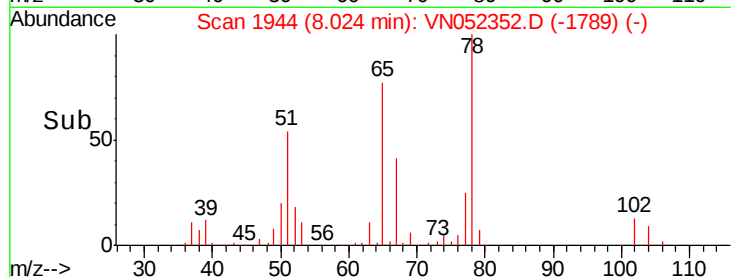
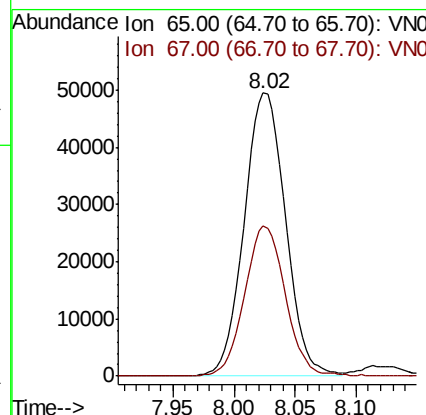
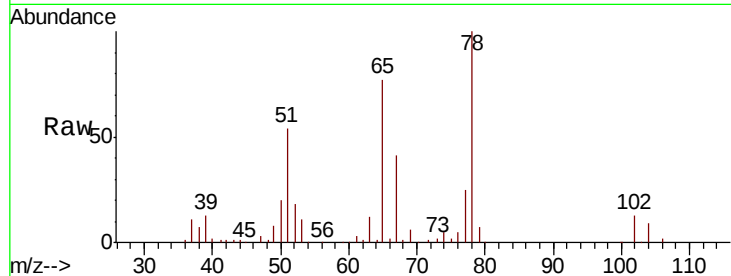
#27
 1,2-Dichloroethane-d4
 Concen: 21.559 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN052352.D
 Acq: 16 Nov 2018 8:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 65 Resp: 116378
 Ion Ratio Lower Upper
 65 100
 67 51.5 42.6 64.0

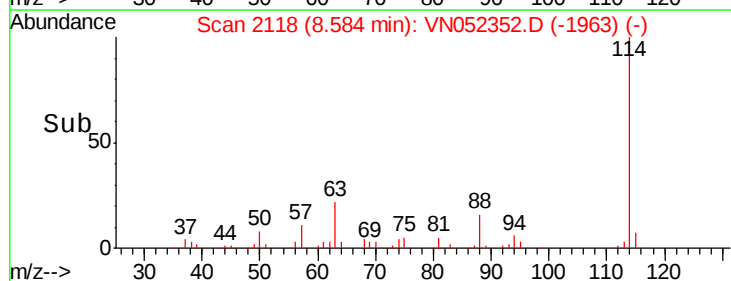
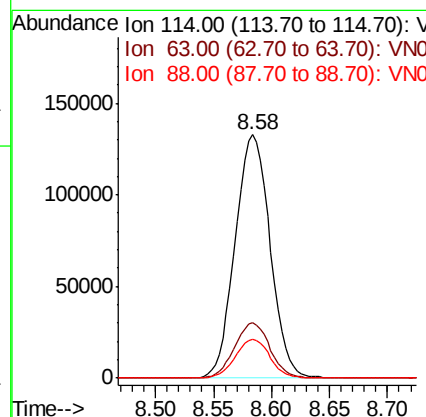
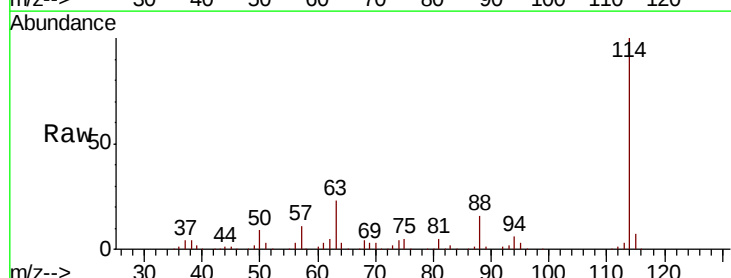
Manual Integrations
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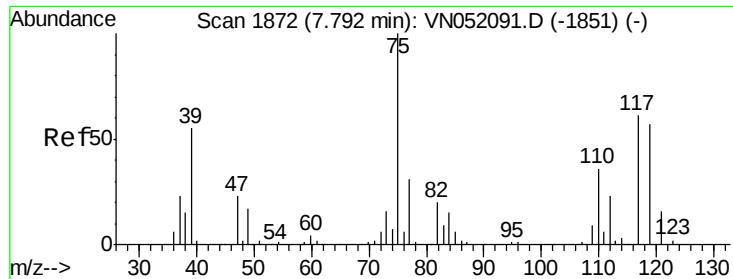
MMDadoda
 11/19/2018 12:45:40 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN052352.D
 Acq: 16 Nov 2018 8:52

Tgt Ion: 114 Resp: 277976
 Ion Ratio Lower Upper
 114 100
 63 22.6 17.5 26.3
 88 15.8 12.6 18.8





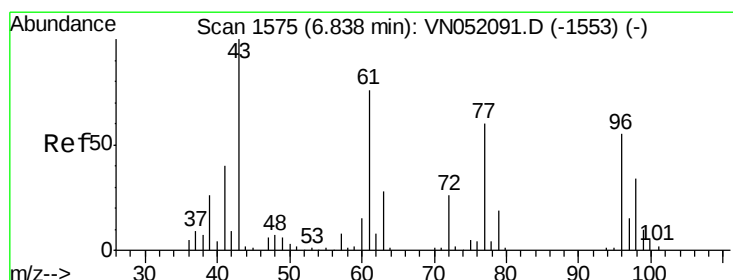
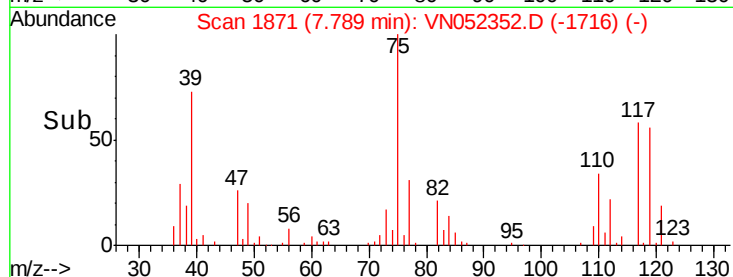
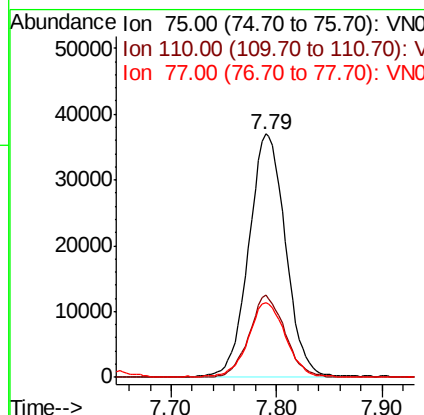
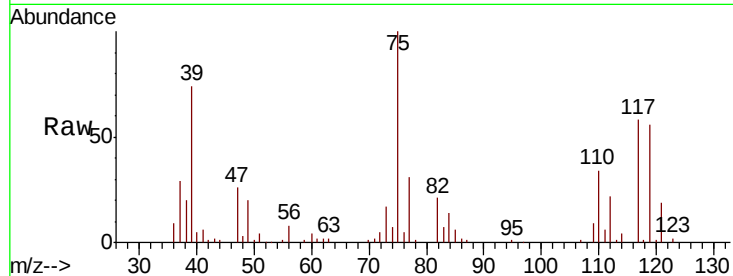
#29
 1,1-Dichloropropene
 Concen: 20.400 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN052352.D
 Acq: 16 Nov 2018 8:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
110	32.6	0.0	67.6
77	31.0	0.0	60.2

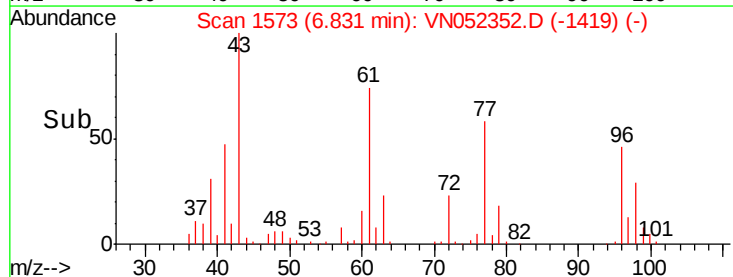
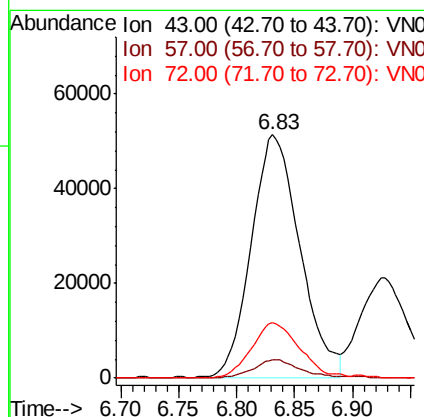
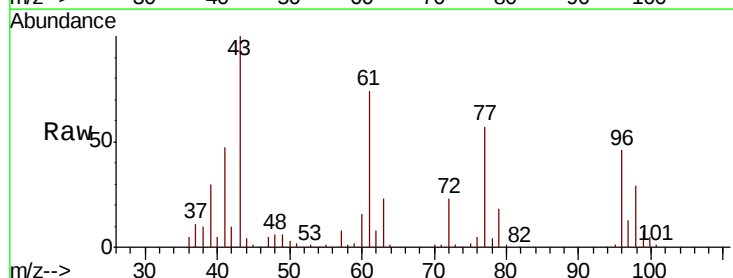
Manual Integrations
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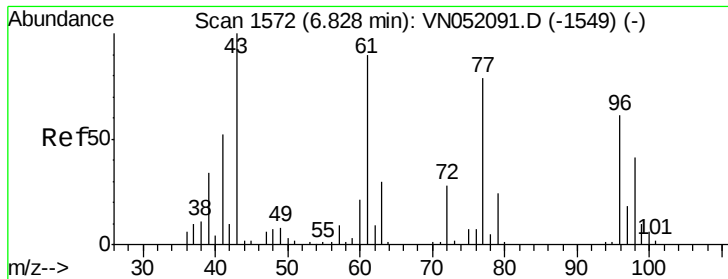
MMDadoda
 11/19/2018 12:45:40 PM



#30
 2-Butanone
 Concen: 126.923 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. -0.01 min
 Lab File: VN052352.D
 Acq: 16 Nov 2018 8:52

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.3	6.6	9.8
72	22.7	9.2	13.8#





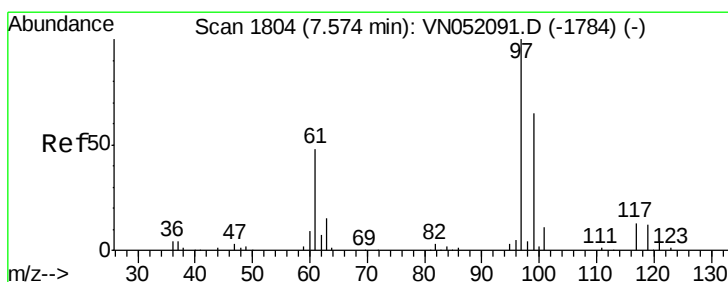
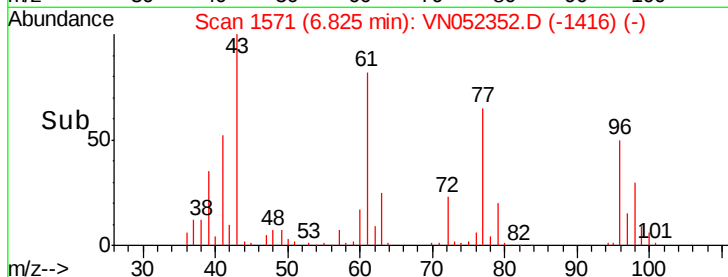
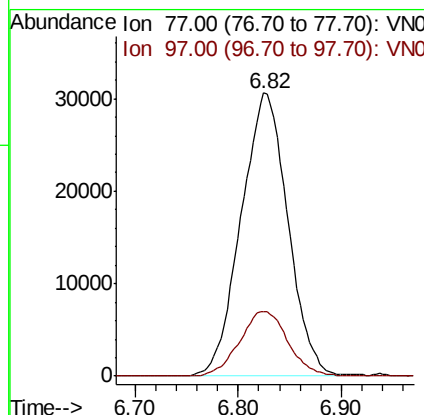
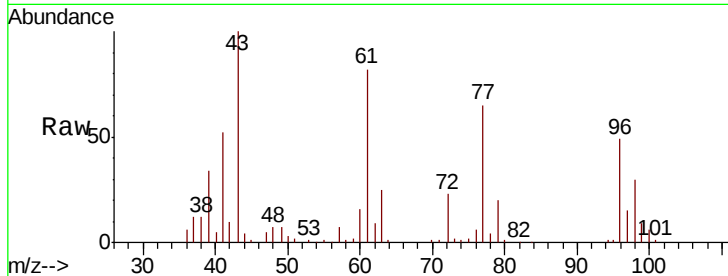
#31
 2,2-Dichloropropane
 Concen: 21.234 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN052352.D
 Acq: 16 Nov 2018 8:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 77 Resp: 96535
 Ion Ratio Lower Upper
 77 100
 97 23.5 18.2 27.2

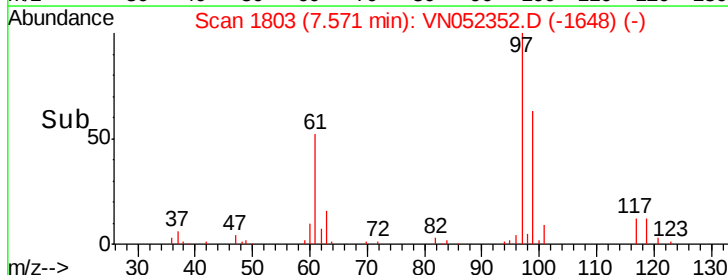
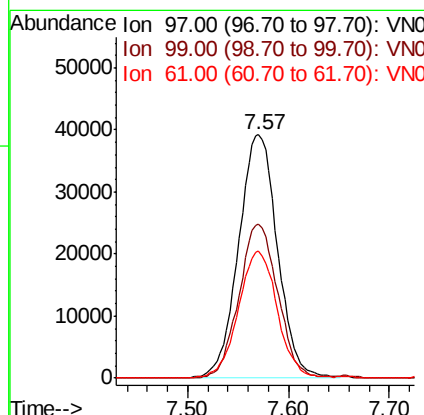
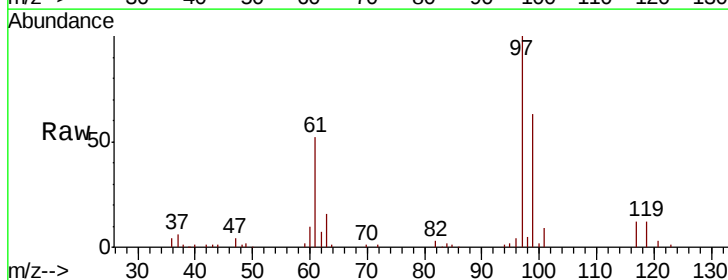
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#32
 1,1,1-Trichloroethane
 Concen: 21.262 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN052352.D
 Acq: 16 Nov 2018 8:52

Tgt Ion: 97 Resp: 104990
 Ion Ratio Lower Upper
 97 100
 99 62.9 51.7 77.5
 61 52.1 38.7 58.1





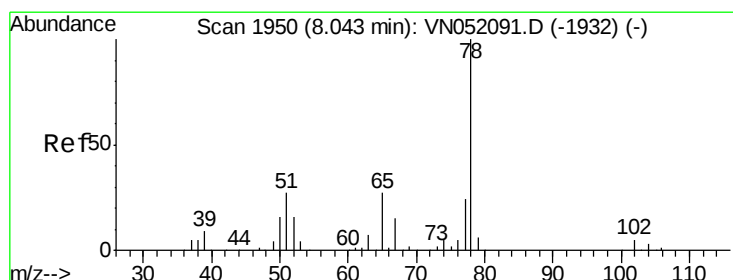
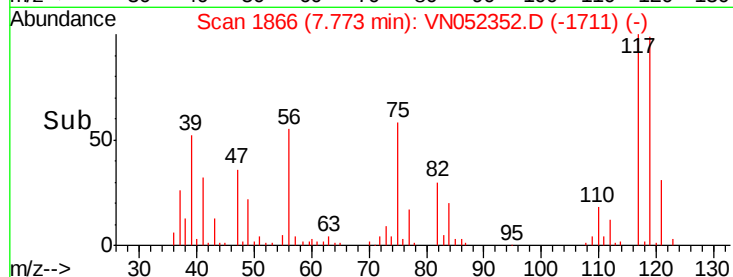
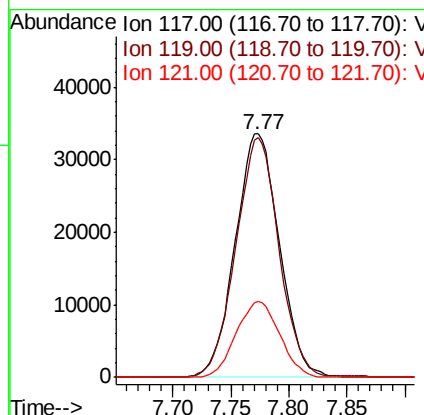
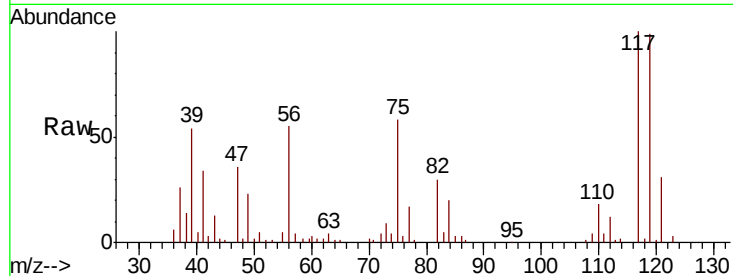
#33
Carbon Tetrachloride
Concen: 20.229 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN052352.D
Acq: 16 Nov 2018 8:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	98.0	74.7	112.1
121	31.4	23.4	35.0

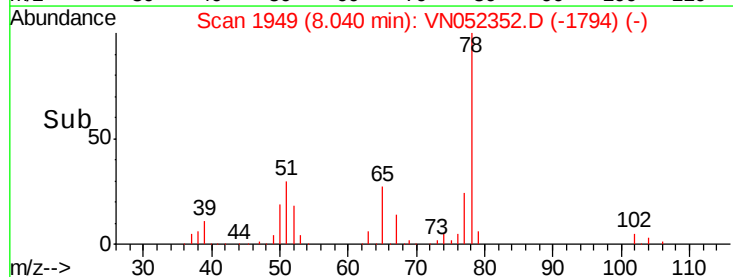
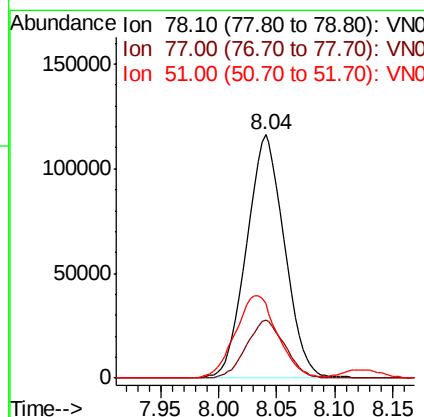
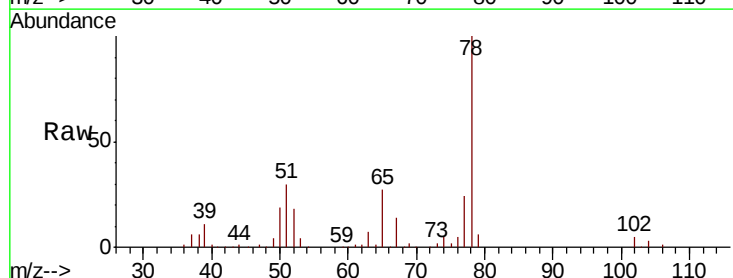
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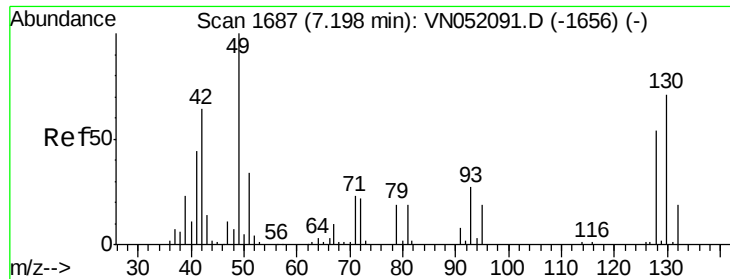
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#34
Benzene
Concen: 20.484 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN052352.D
Acq: 16 Nov 2018 8:52

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.1	28.7
51	30.4	21.2	31.8





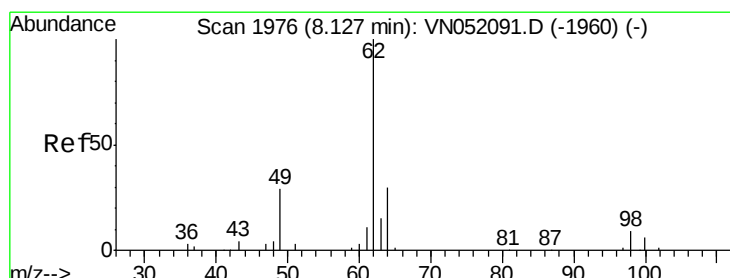
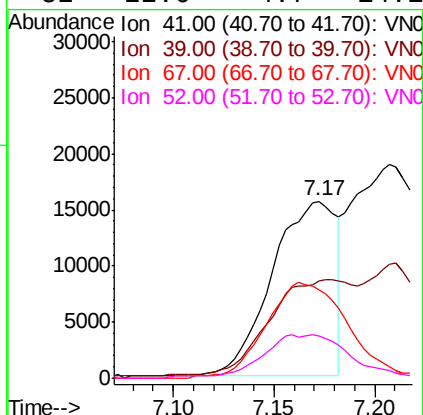
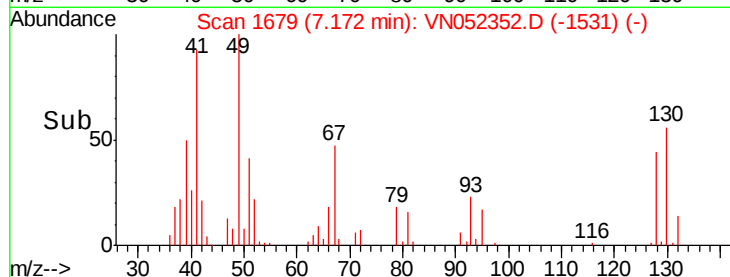
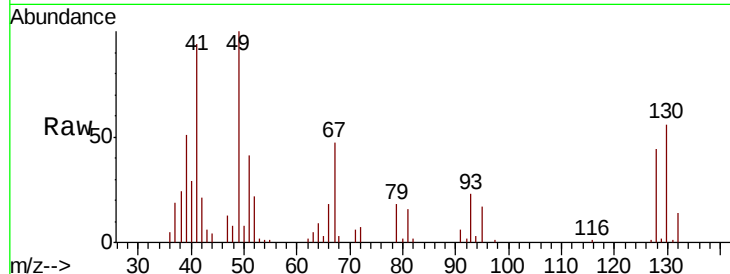
#35
Methacrylonitrile
Concen: 21.388 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.03 min
Lab File: VN052352.D
Acq: 16 Nov 2018 8:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.2	26.1	78.3
67	50.7	11.0	33.0
52	22.6	4.7	14.1

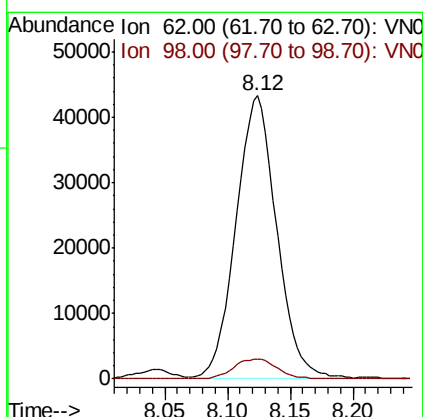
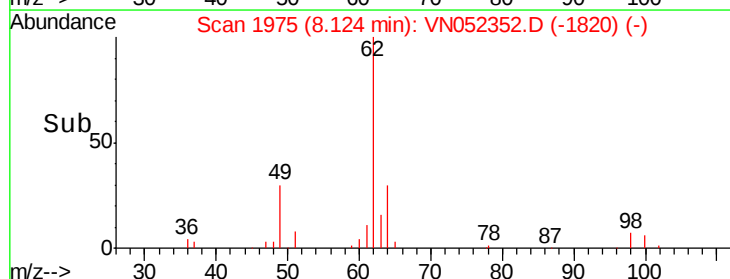
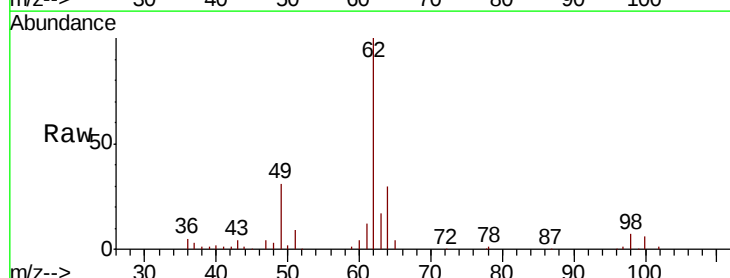
Manual Integrations
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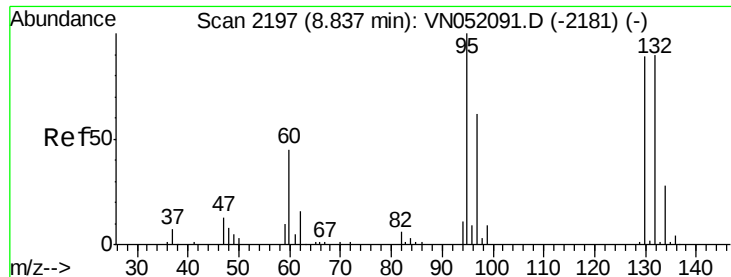
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#36
1,2-Dichloroethane
Concen: 22.666 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052352.D
Acq: 16 Nov 2018 8:52

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.5	6.7	10.1





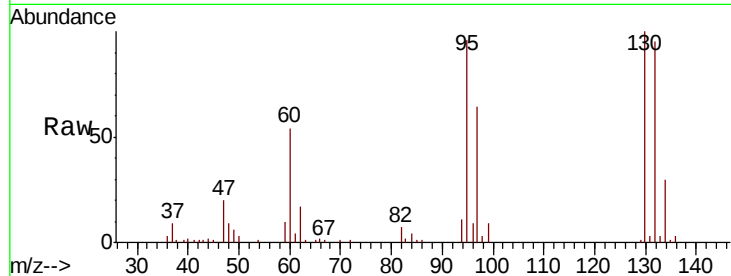
#37
 Trichloroethene
 Concen: 20.588 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN052352.D
 Acq: 16 Nov 2018 8:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

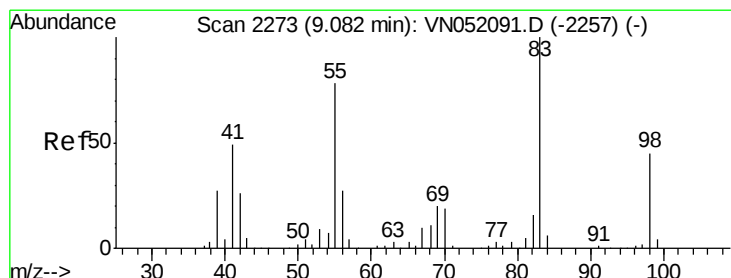
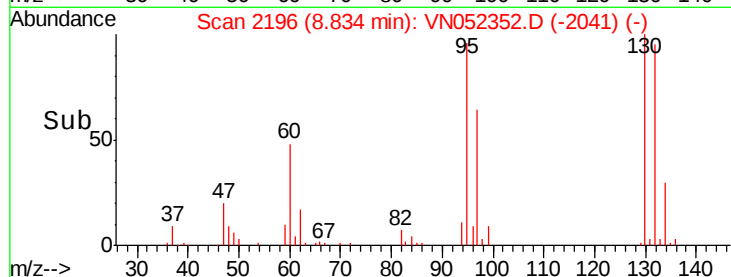
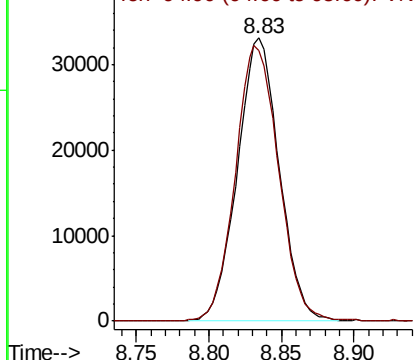
Tot Ion:130 Resp: 66587
 Ion Ratio Lower Upper
 130 100
 95 95.0 89.9 134.9

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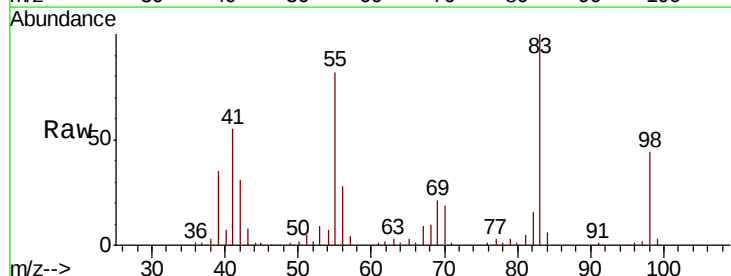


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

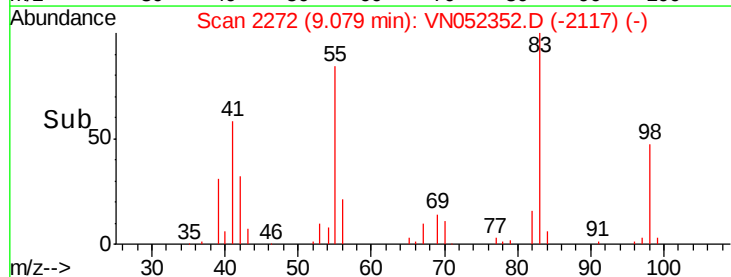
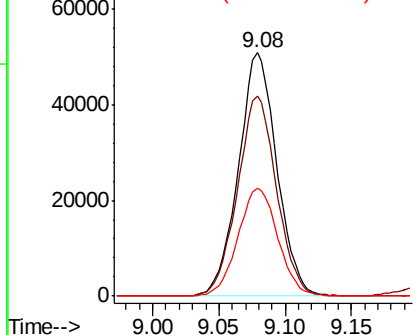


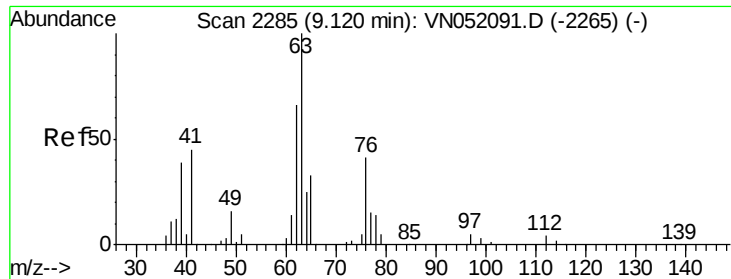
#38
 Methylcyclohexane
 Concen: 19.004 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN052352.D
 Acq: 16 Nov 2018 8:52

Tgt Ion: 83 Resp: 102312
 Ion Ratio Lower Upper
 83 100
 55 83.7 38.5 115.3
 98 46.0 23.2 69.6



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





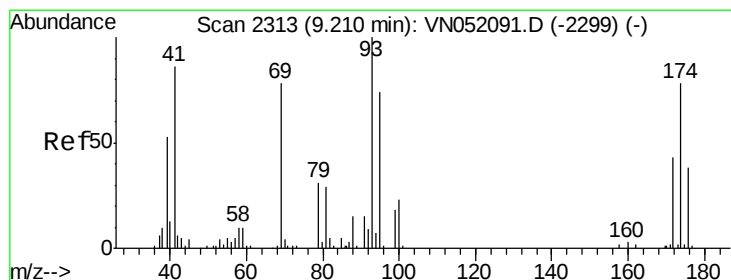
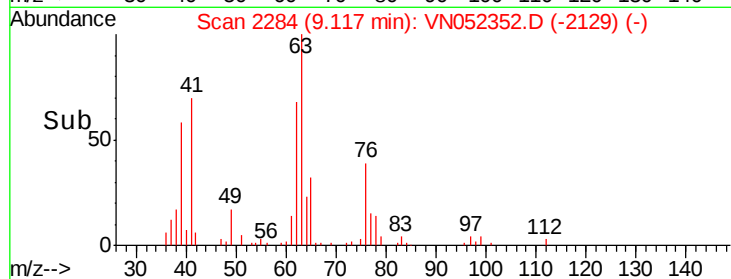
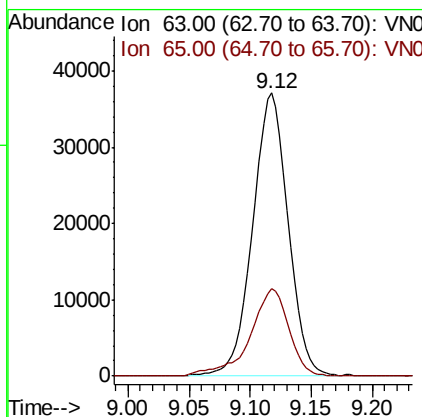
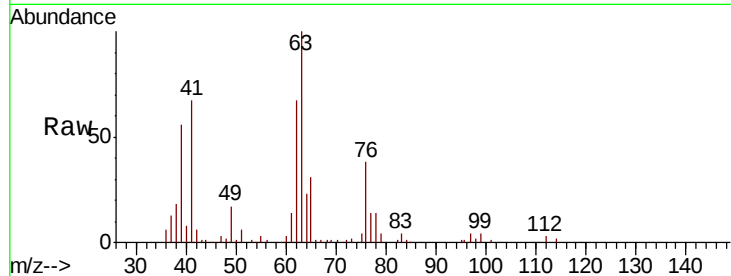
#39
 1,2-Dichloropropane
 Concen: 21.704 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN052352.D
 Acq: 16 Nov 2018 8:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 63 Resp: 74659
 Ion Ratio Lower Upper
 63 100
 65 30.8 27.3 40.9

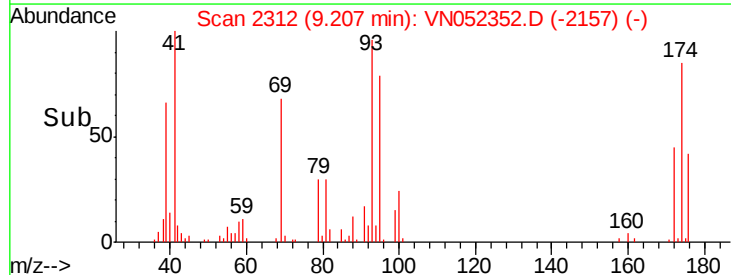
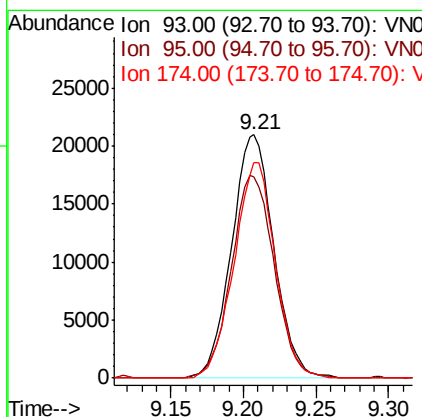
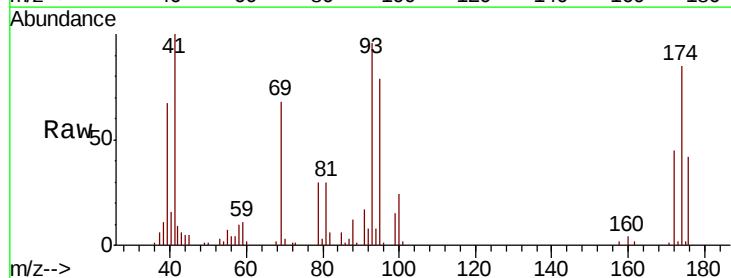
Manual Integrations
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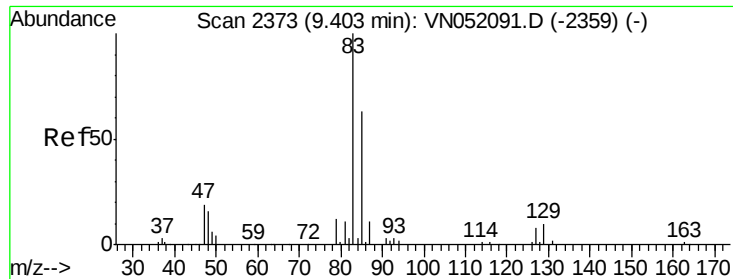
MMDadoda
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#40
 Dibromomethane
 Concen: 19.980 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN052352.D
 Acq: 16 Nov 2018 8:52

Tgt Ion: 93 Resp: 42363
 Ion Ratio Lower Upper
 93 100
 95 84.8 0.0 161.2
 174 86.6 0.0 165.0





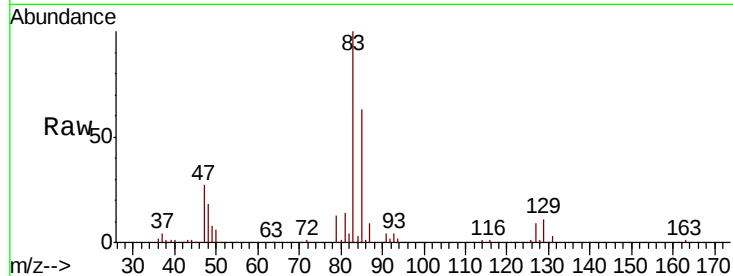
#41
Bromodichloromethane
Concen: 21.481 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN052352.D
Acq: 16 Nov 2018 8:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	83	Resp	93187
Ion Ratio	100	Lower	Upper
83	100		
85	62.7	50.2	75.2
127	8.6	6.6	10.0

Manual Integrations
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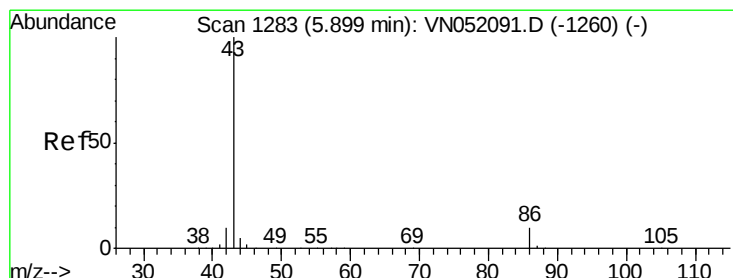
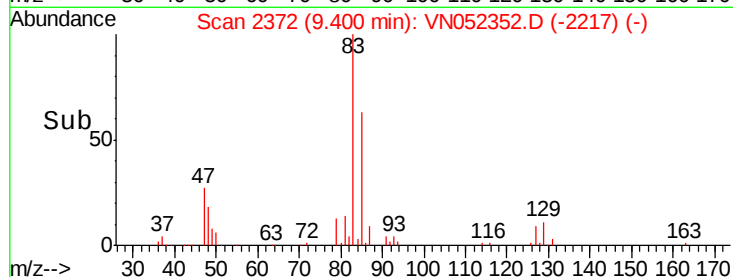
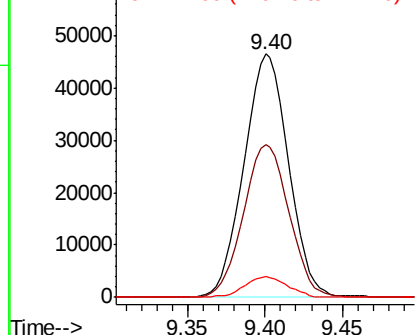


Abundance

Ion 83.00 (82.70 to 83.70): VN0

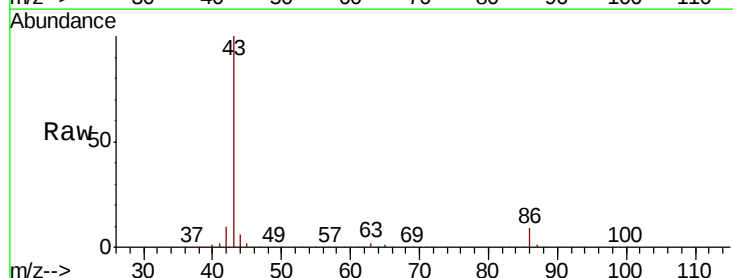
Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): VN0



#42
Vinyl Acetate
Concen: 116.686 ug/l
RT: 5.89 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VN052352.D
Acq: 16 Nov 2018 8:52

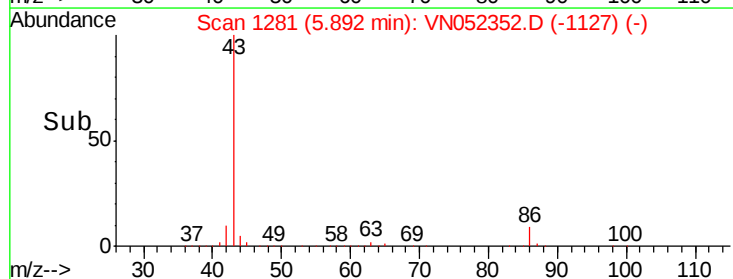
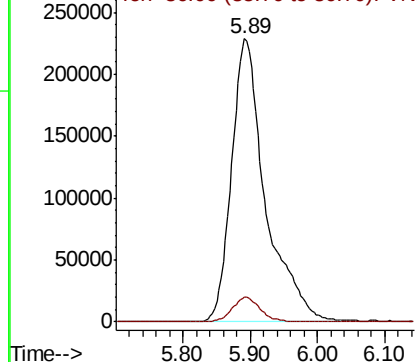
Tgt Ion	43	Resp	802849
Ion Ratio	100	Lower	Upper
43	100		
86	7.2	6.6	10.0

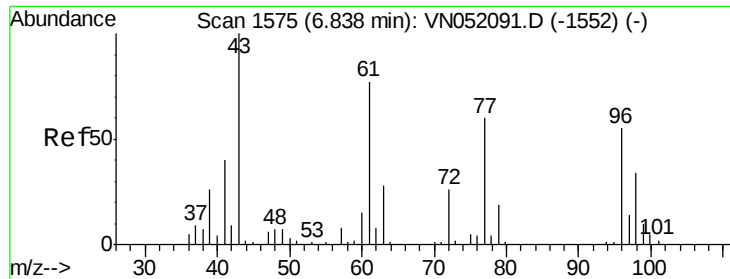


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





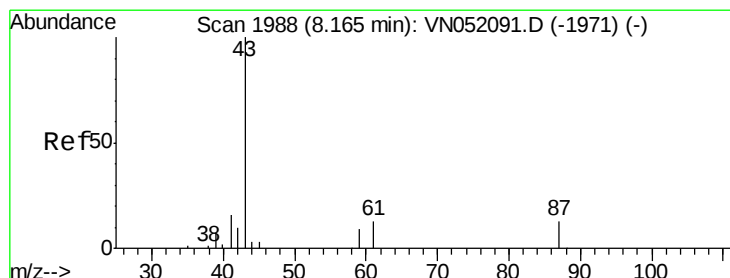
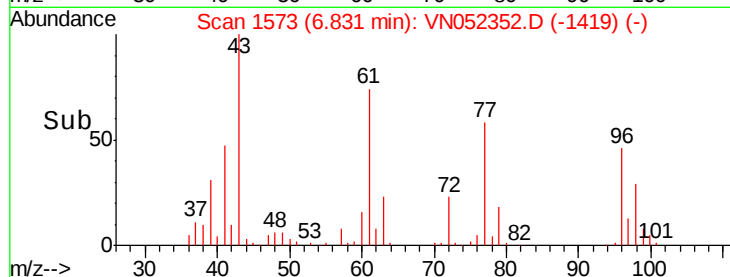
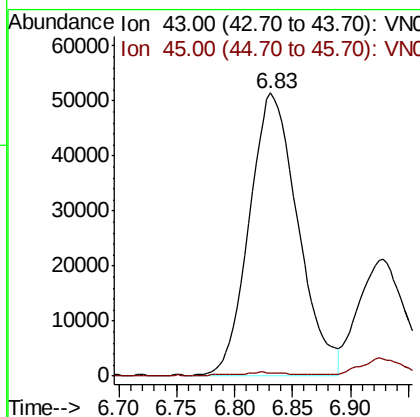
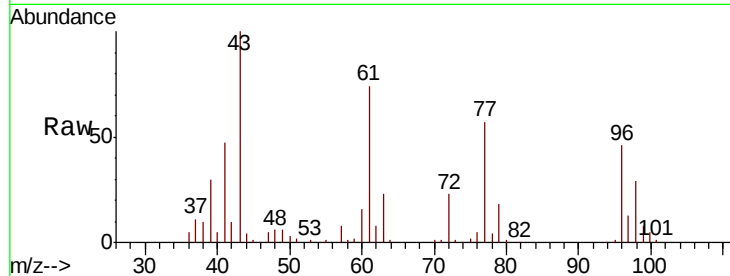
#43
Ethyl Acetate
Concen: 25.256 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. -0.01 min
Lab File: VN052352.D
Acq: 16 Nov 2018 8:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 43 Resp: 149171
Ion Ratio Lower Upper
43 100
45 0.3 3.8 5.8#

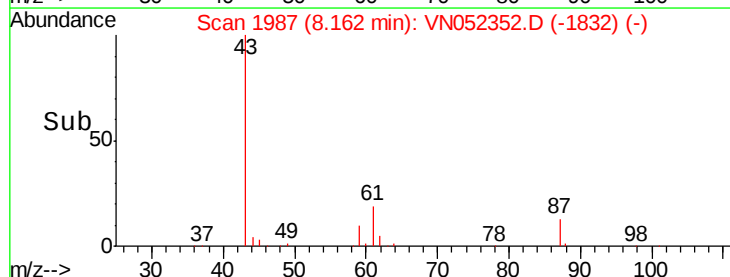
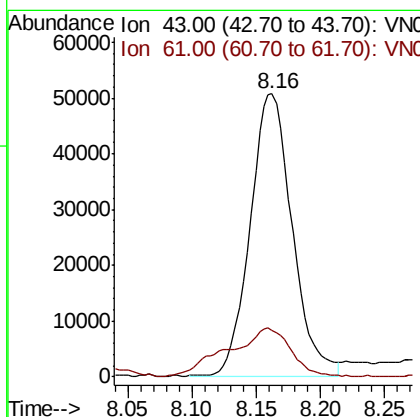
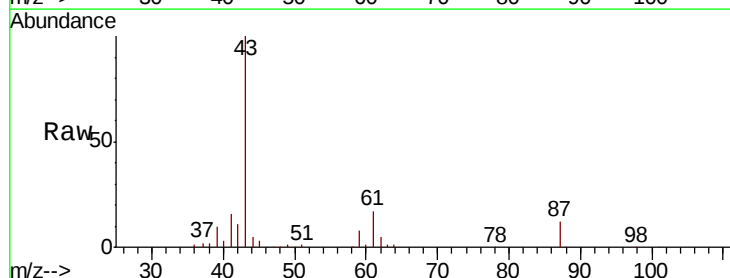
Manual Integrations
APPROVED

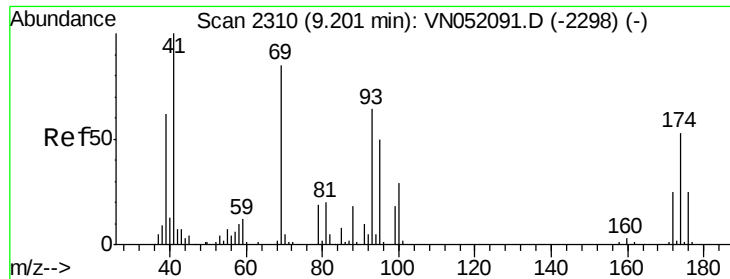
MMDadoda
11/19/2018 12:45:40 PM



#44
Isopropyl Acetate
Concen: 23.813 ug/l m
RT: 8.16 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VN052352.D
Acq: 16 Nov 2018 8:52

Tgt Ion: 43 Resp: 116452
Ion Ratio Lower Upper
43 100
61 0.1 16.2 24.2#





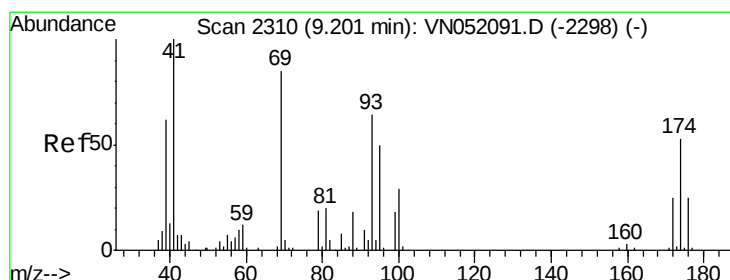
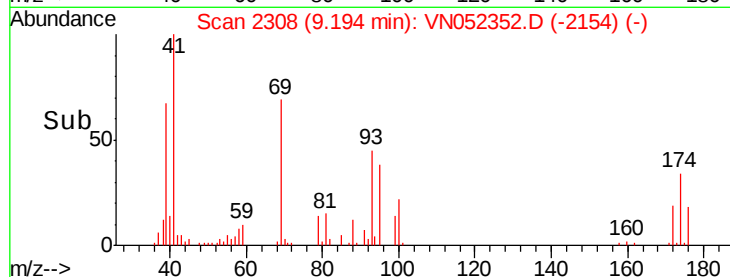
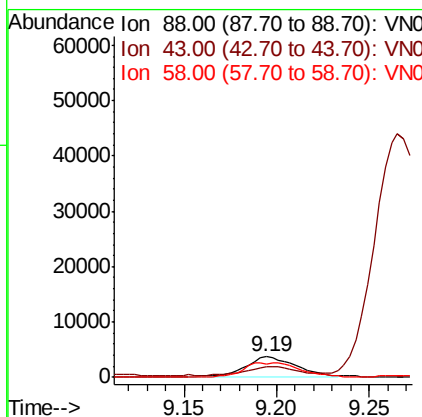
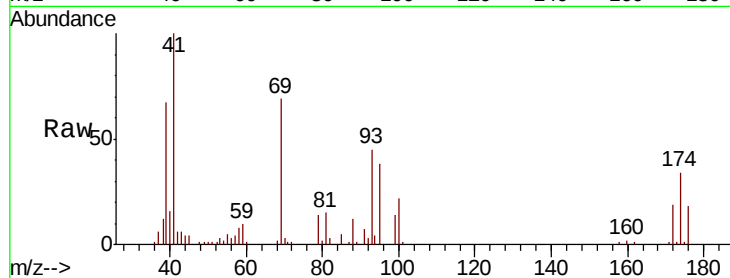
#45
1,4-Dioxane
Concen: 321.264 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. -0.01 min
Lab File: VN052352.D
Acq: 16 Nov 2018 8:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.4	28.6	43.0
58	35.0	37.8	56.8#

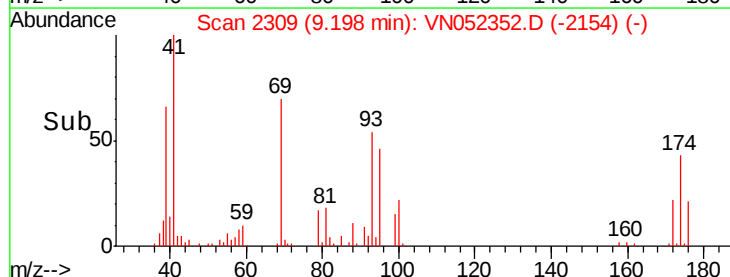
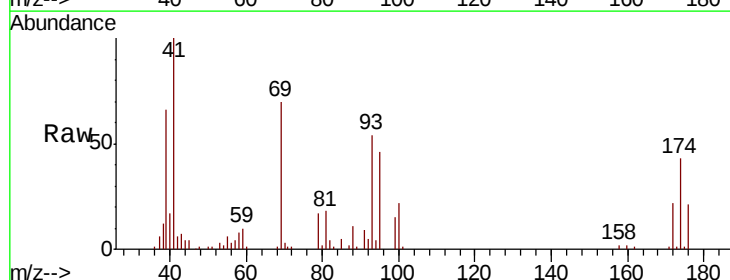
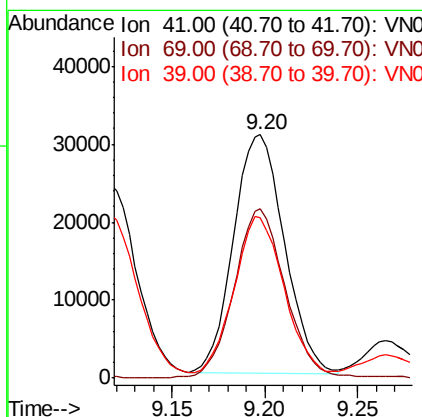
Manual Integrations
APPROVED

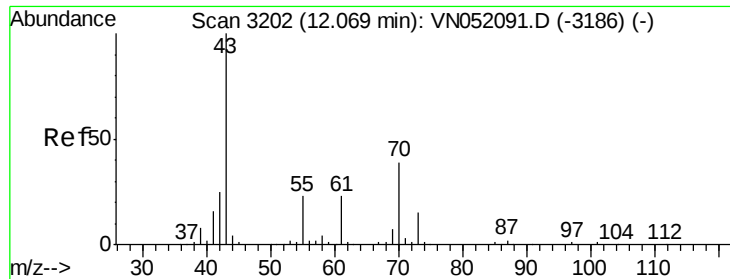
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11/19/2018 12:45:40 PM



#46
Methyl methacrylate
Concen: 24.016 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052352.D
Acq: 16 Nov 2018 8:52

Tgt Ion	Ratio	Lower	Upper
41	100		
69	70.7	42.5	127.6
39	65.1	31.1	93.3





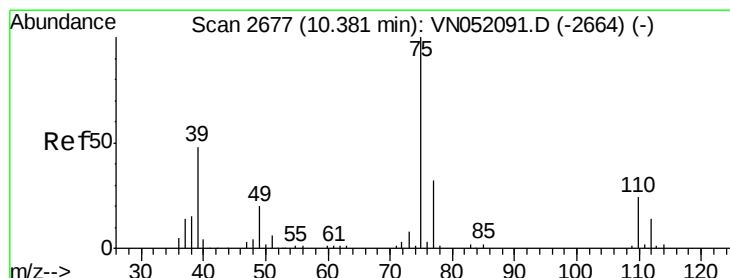
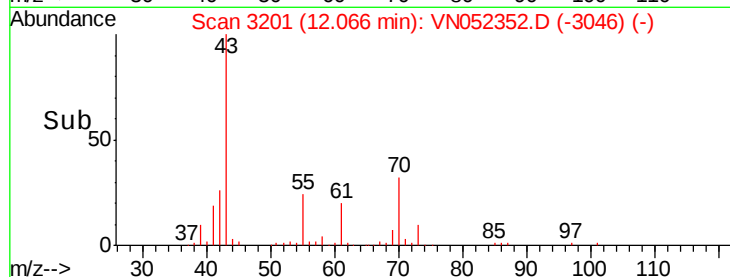
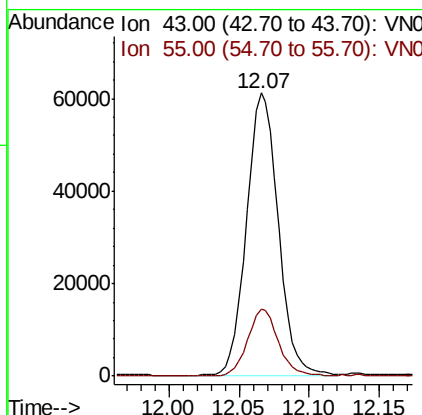
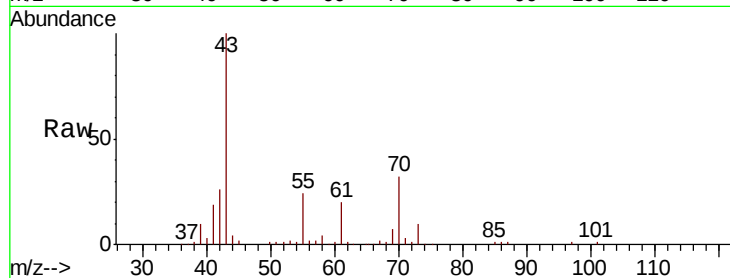
#47
n-amvl Acetate
Concen: 21.929 ug/l
RT: 12.07 min Scan# 3201
Delta R.T. -0.00 min
Lab File: VN052352.D
Acq: 16 Nov 2018 8:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 43 Resp: 97204
Ion Ratio Lower Upper
43 100
55 22.7 0.0 0.0#

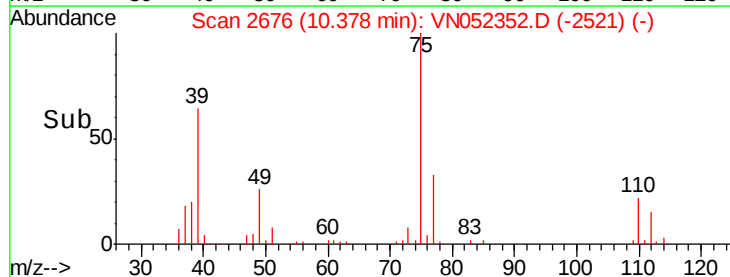
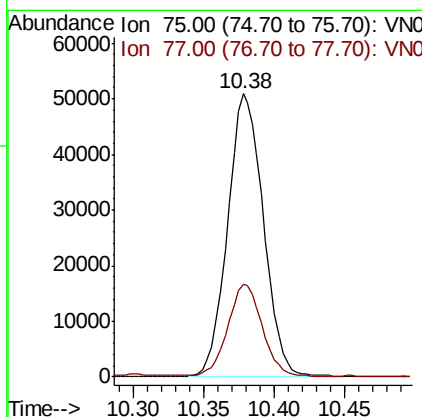
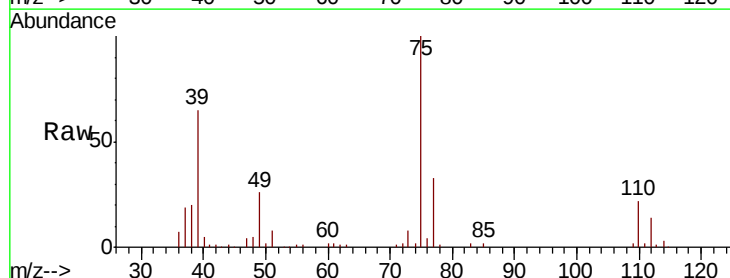
Manual Integrations
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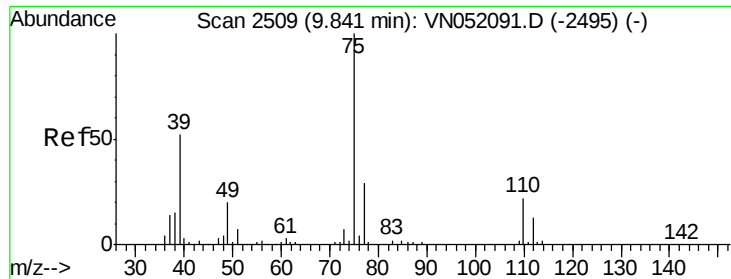
MMDadoda
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#48
t-1,3-Dichloropropene
Concen: 20.951 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN052352.D
Acq: 16 Nov 2018 8:52

Tgt Ion: 75 Resp: 90253
Ion Ratio Lower Upper
75 100
77 32.7 26.3 39.5





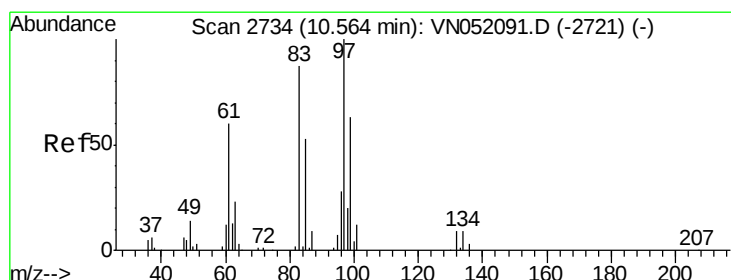
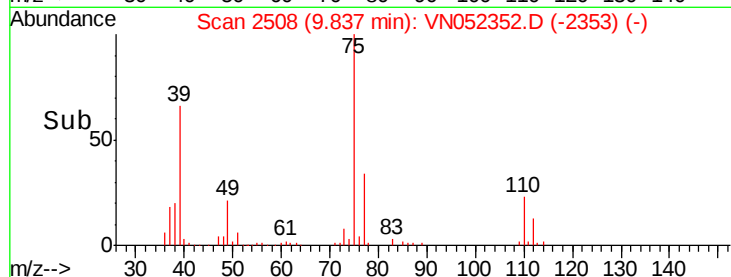
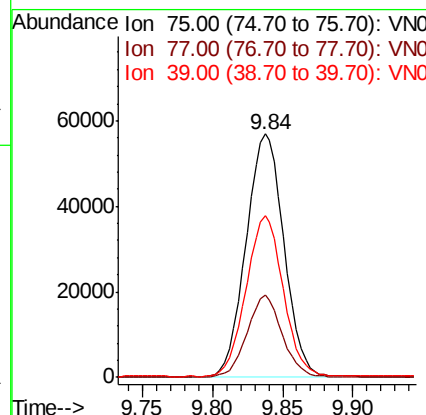
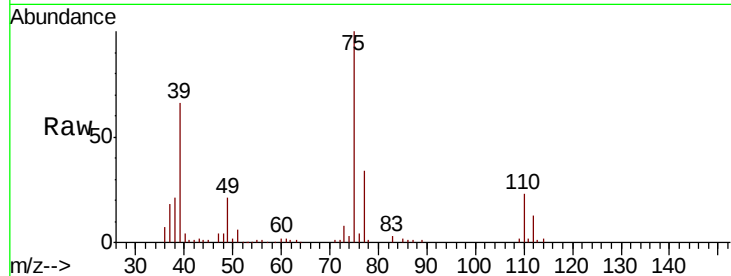
#49
 cis-1,3-Dichloropropene
 Concen: 21.589 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN052352.D
 Acq: 16 Nov 2018 8:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.6	23.3	34.9
39	65.9	41.6	62.4

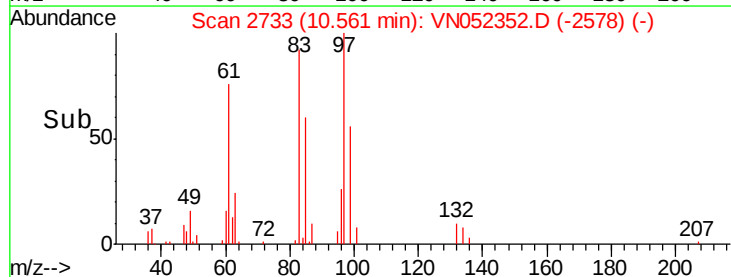
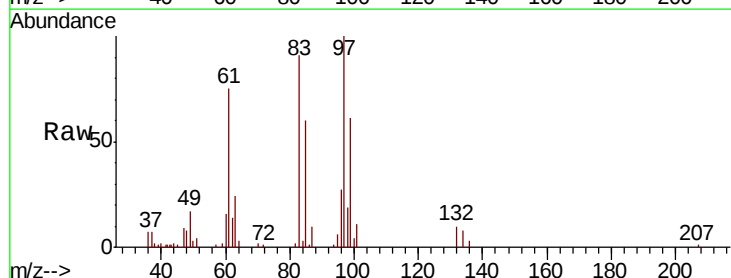
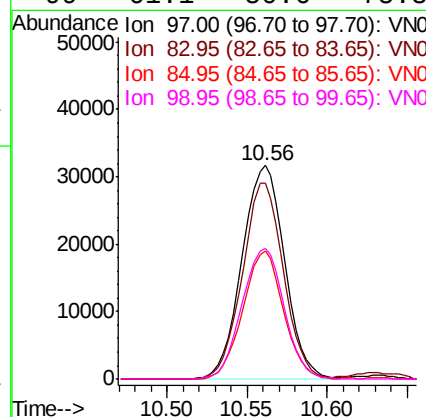
Manual Integrations
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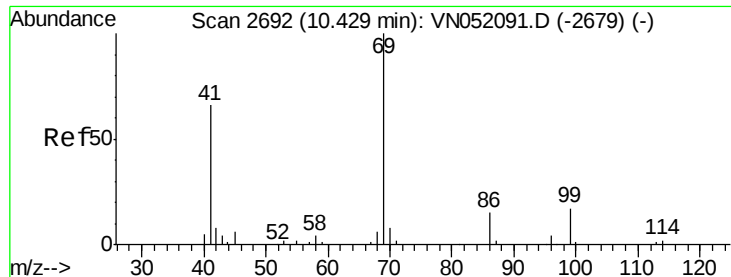
MMDadoda
 11/19/2018 12:45:40 PM



#50
 1,1,2-Trichloroethane
 Concen: 20.542 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN052352.D
 Acq: 16 Nov 2018 8:52

Tgt Ion	Ratio	Lower	Upper
97	100		
83	91.4	69.4	104.0
85	60.0	42.7	64.1
99	61.1	50.6	75.8





#51

Ethyl methacrylate

Concen: 20.344 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN052352.D

Acq: 16 Nov 2018 8:52

Instrument :

MSVOA_N

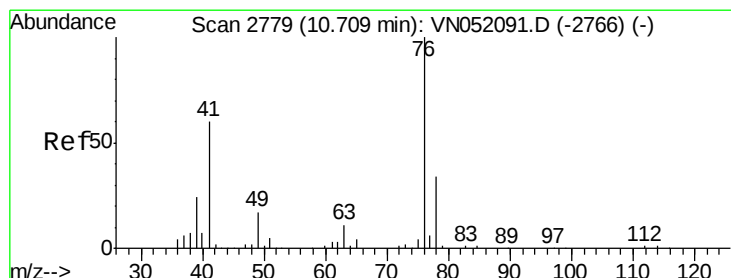
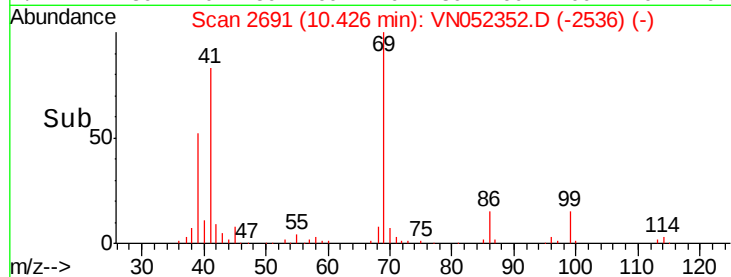
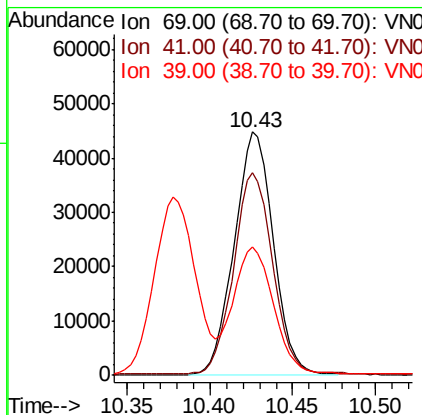
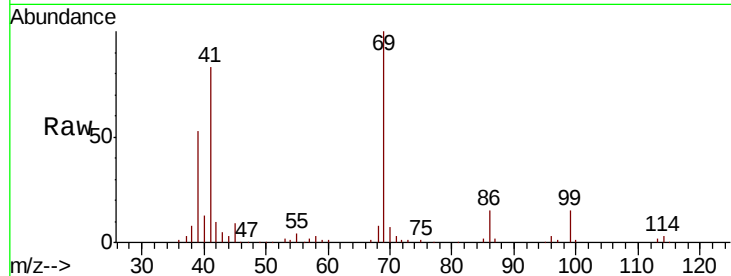
ClientSampleId :

VSTDCCC020

Tot Ion:	69	Resp:	73716
Ion Ratio	Lower	Upper	
69	100		
41	82.2	33.0	99.0
39	51.8	20.7	62.1

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 20.700 ug/l

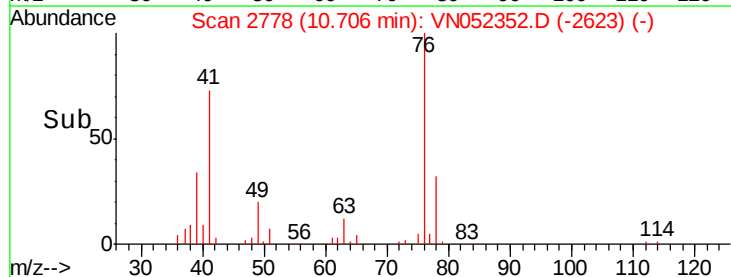
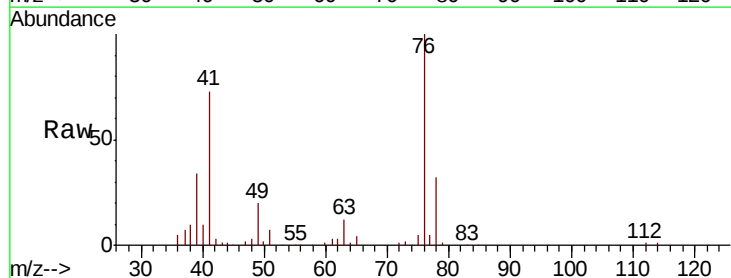
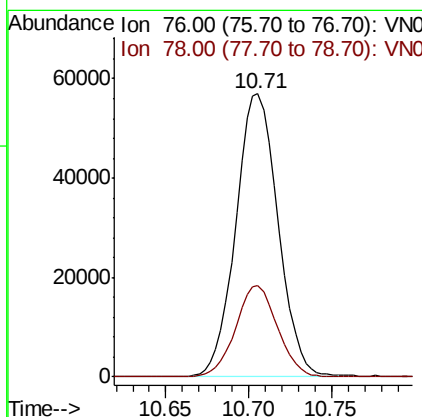
RT: 10.71 min Scan# 2778

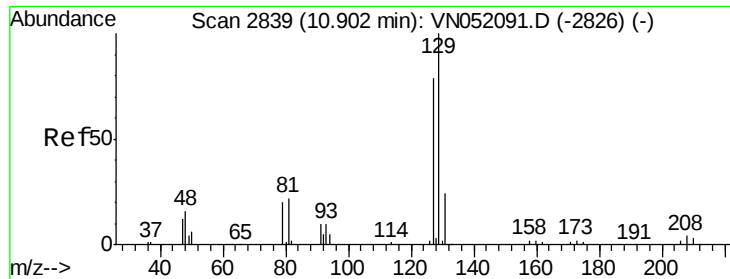
Delta R.T. -0.00 min

Lab File: VN052352.D

Acq: 16 Nov 2018 8:52

Tgt Ion:	76	Resp:	101093
Ion Ratio	Lower	Upper	
76	100		
78	31.9	0.0	65.0





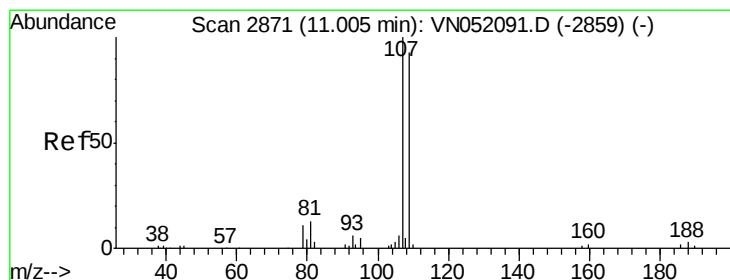
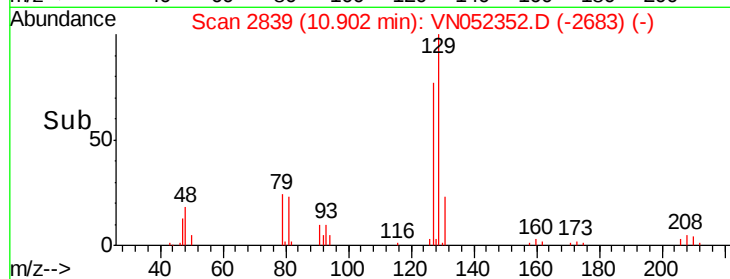
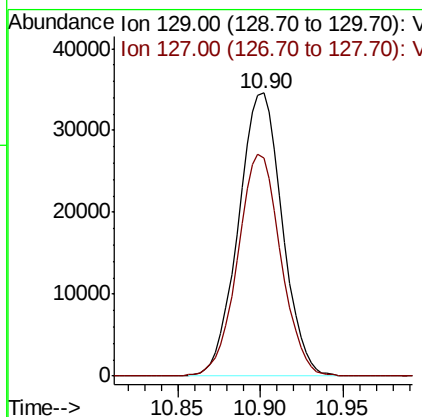
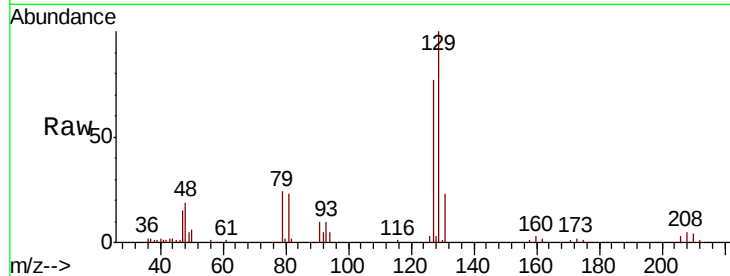
#53
 Dibromochloromethane
 Concen: 21.017 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN052352.D
 Acq: 16 Nov 2018 8:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.0	39.2	117.6

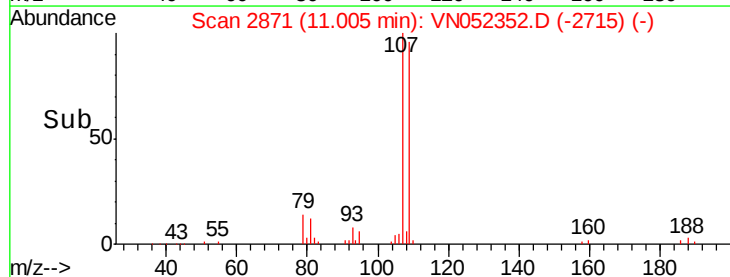
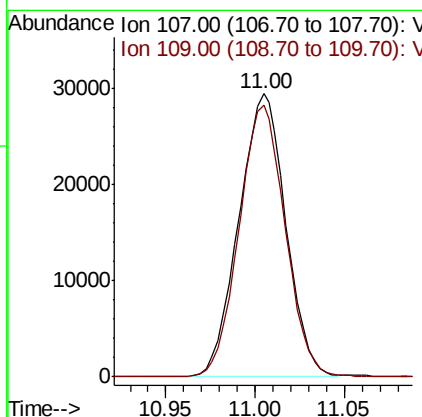
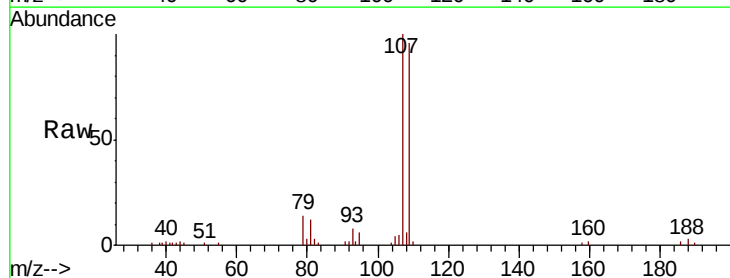
Manual Integrations
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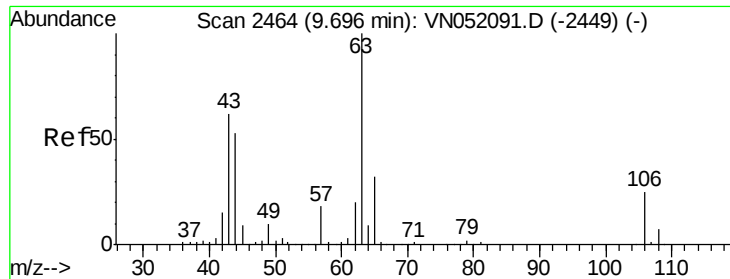
MMDadoda
 11/19/2018 12:45:40 PM



#54
 1,2-Dibromoethane
 Concen: 19.037 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN052352.D
 Acq: 16 Nov 2018 8:52

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.3	77.0	115.6





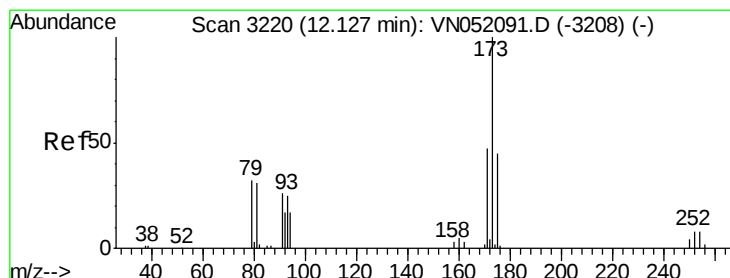
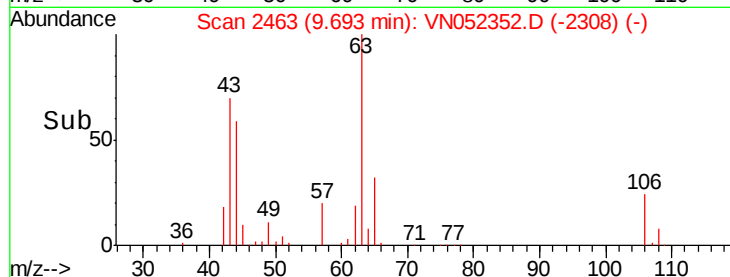
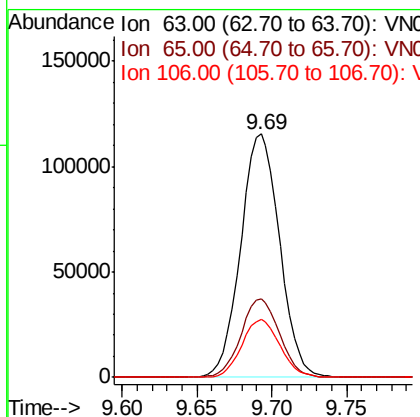
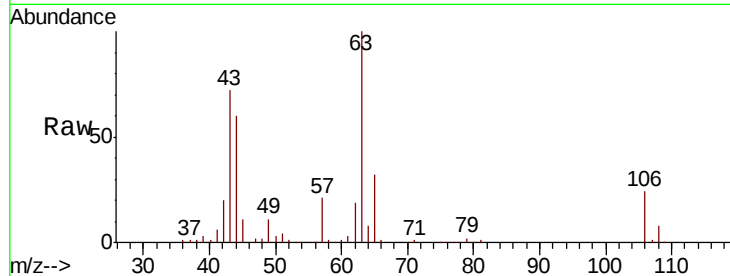
#55
2-Chloroethyl vinyl ether
Concen: 105.432 ug/l
RT: 9.69 min Scan# 2463
Delta R.T. -0.00 min
Lab File: VN052352.D
Acq: 16 Nov 2018 8:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.5	38.3
106	23.5	20.4	30.6

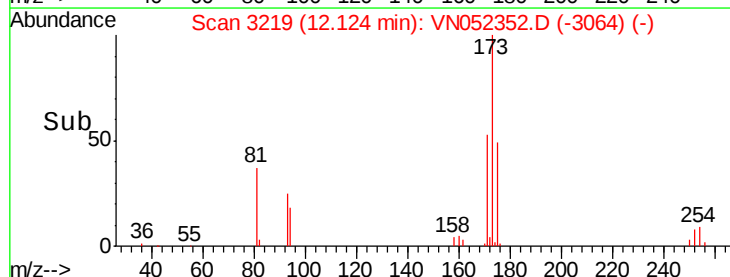
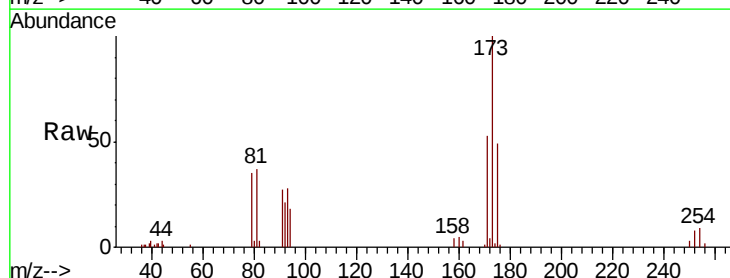
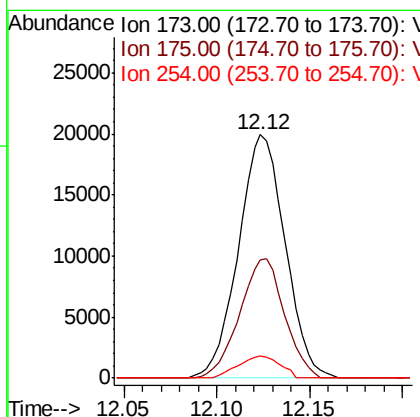
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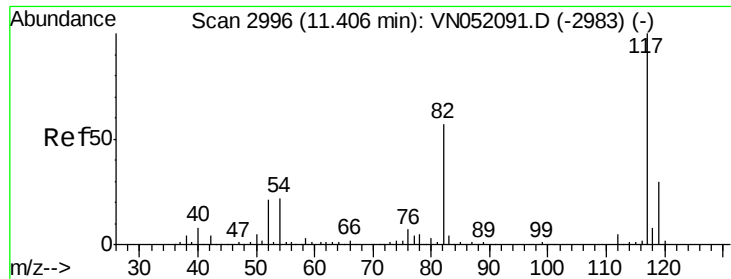
MMDadoda
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#56
Bromoform
Concen: 19.872 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN052352.D
Acq: 16 Nov 2018 8:52

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.1	37.3	55.9
254	8.2	7.0	10.6





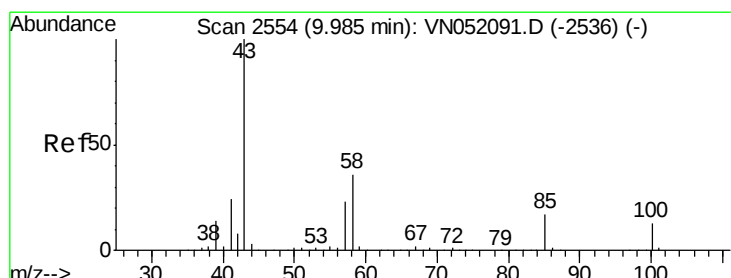
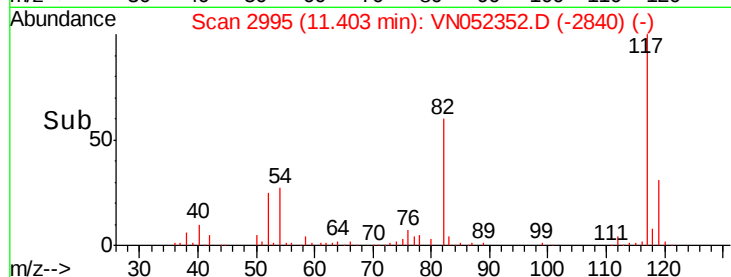
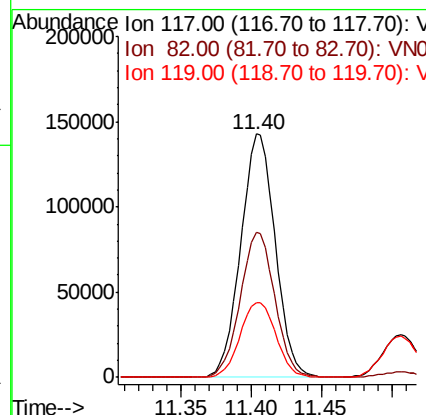
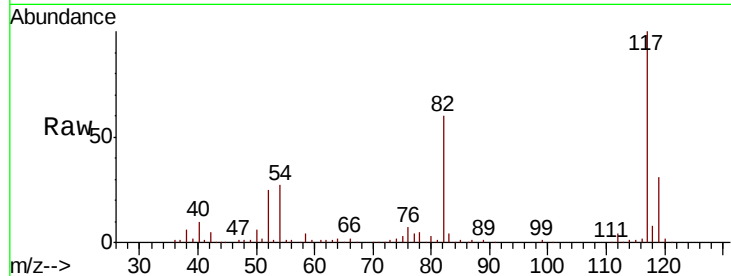
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN052352.D
Acq: 16 Nov 2018 8:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	244773		
82	59.9	45.0	67.6	
119	32.0	24.2	36.4	

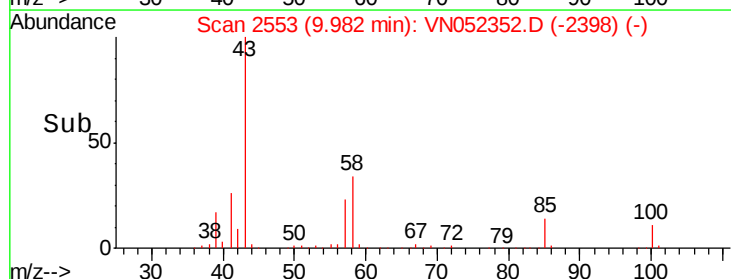
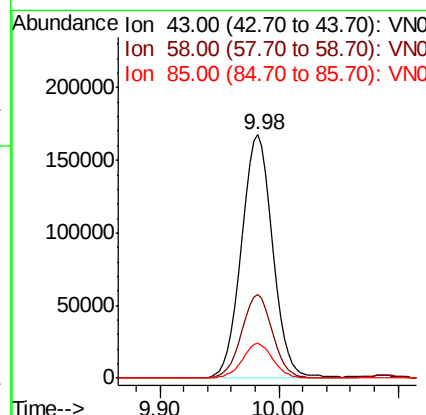
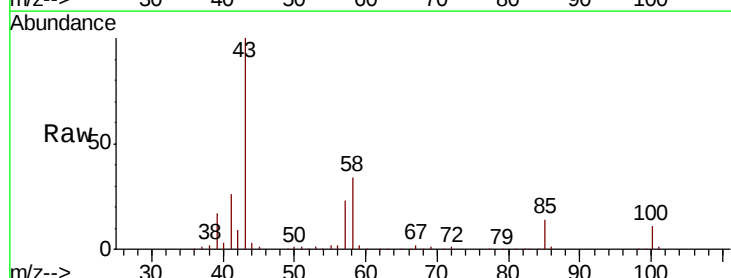
Manual Integrations
APPROVED

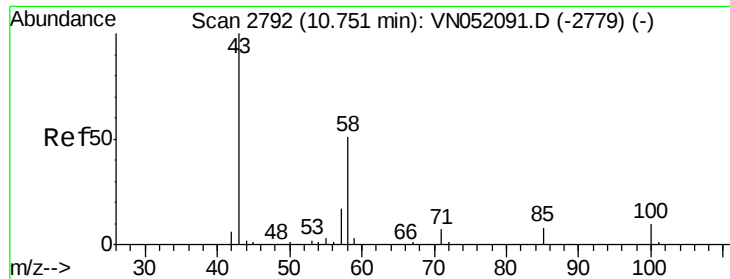
MMDadoda
11/19/2018 12:45:40 PM



#58
4-Methyl-2-Pentanone
Concen: 115.743 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN052352.D
Acq: 16 Nov 2018 8:52

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	303578		
58	34.1	29.0	43.6	
85	14.1	13.4	20.2	





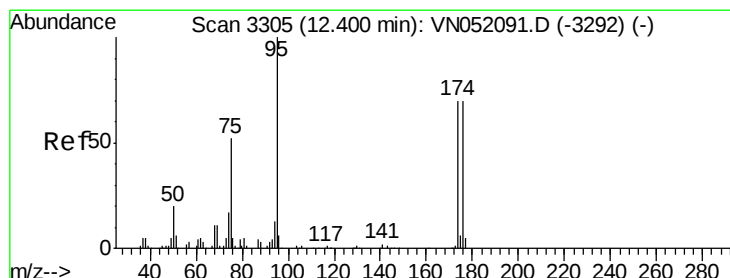
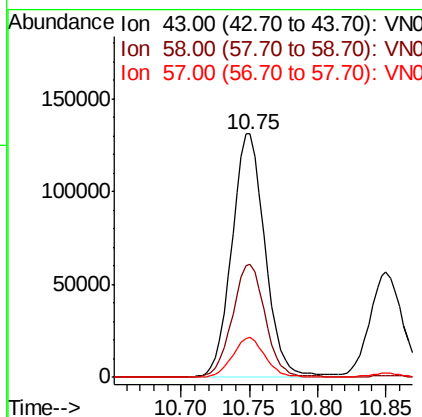
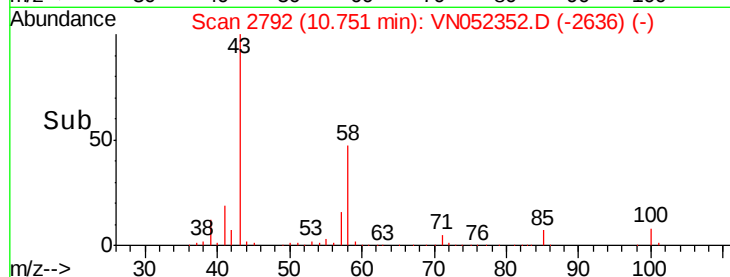
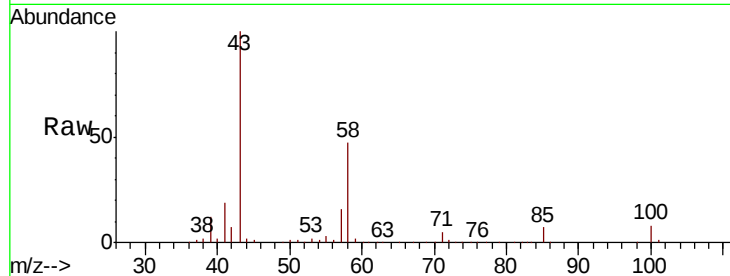
#59
2-Hexanone
Concen: 122.007 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052352.D
Acq: 16 Nov 2018 8:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	46.4	40.8	61.2
57	16.3	13.8	20.8

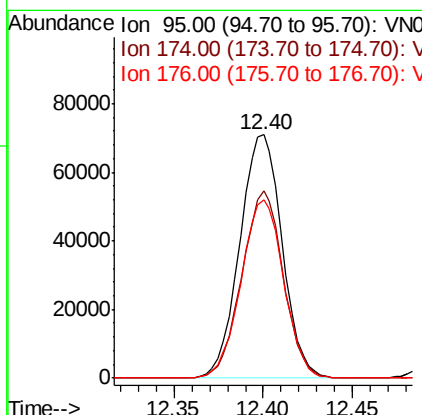
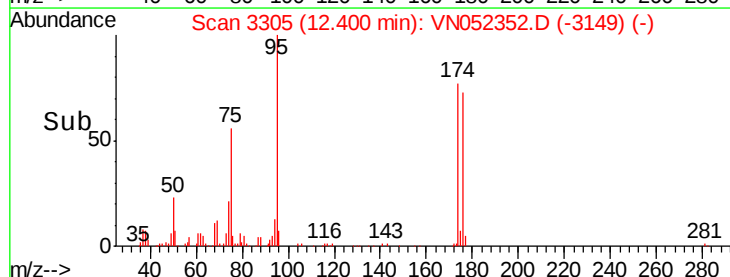
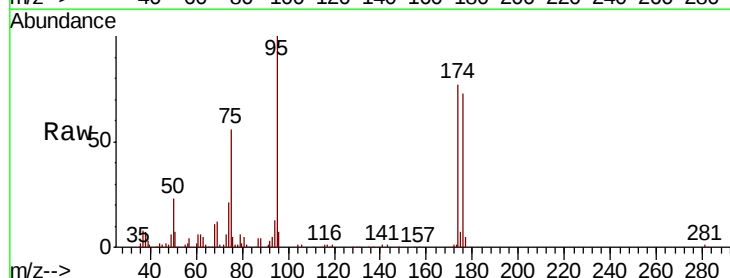
Manual Integrations
APPROVED

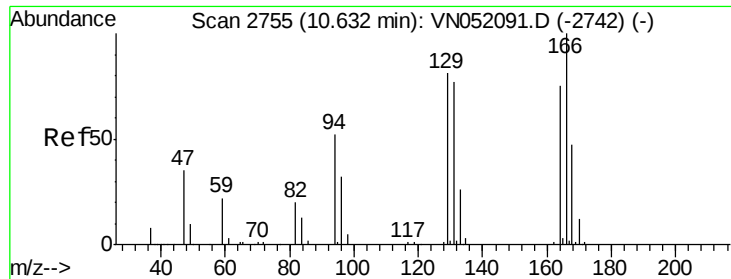
MMDadoda
11/19/2018 12:45:40 PM



#60
4-Bromofluorobenzene
Concen: 122.007 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN052352.D
Acq: 16 Nov 2018 8:52

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.3	55.0	82.6
176	73.8	54.2	81.4





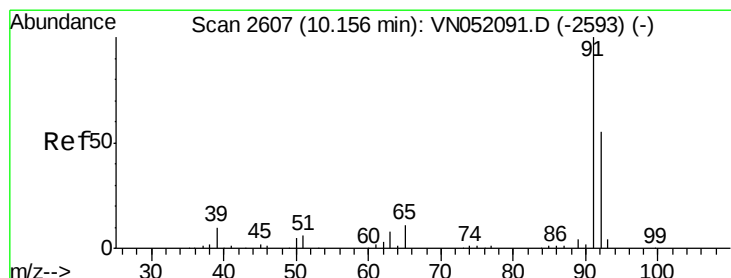
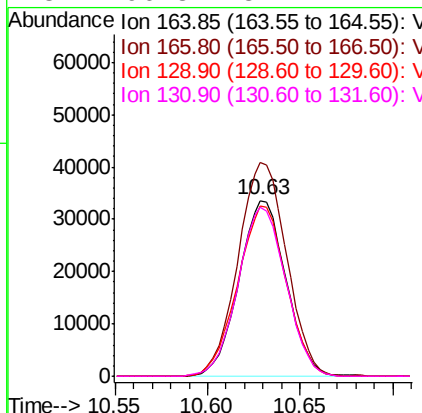
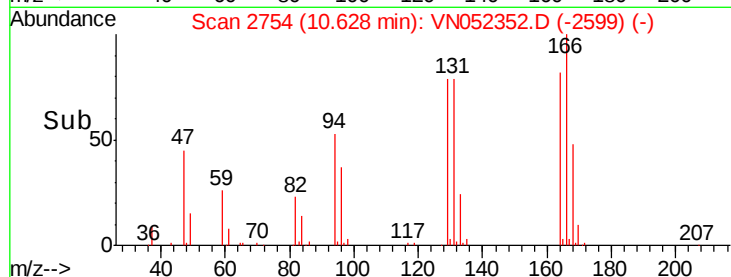
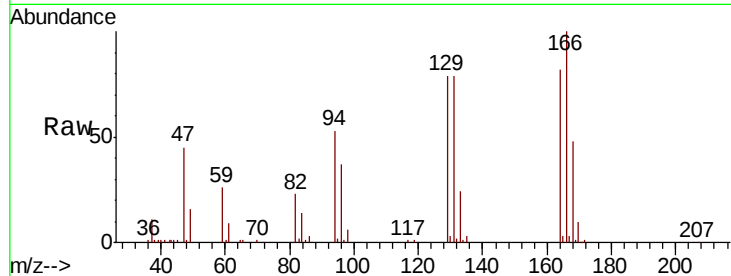
#61
Tetrachloroethene
Concen: 22.182 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN052352.D
Acq: 16 Nov 2018 8:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
164	100		
166	121.7	106.4	159.6
129	96.7	87.0	130.4
131	96.3	81.4	122.2

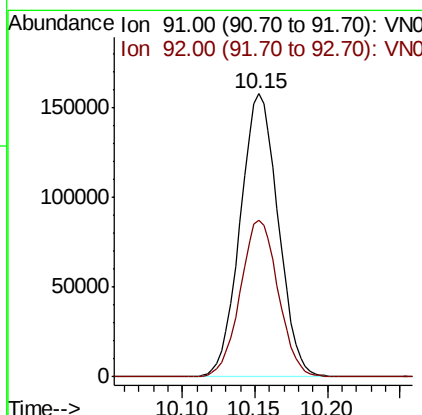
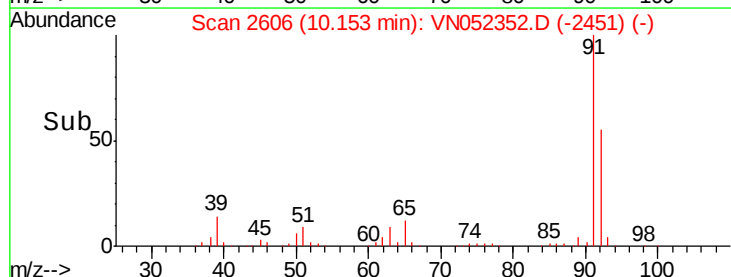
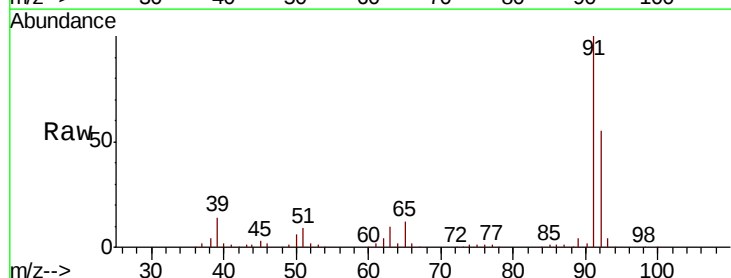
Manual Integrations
APPROVED

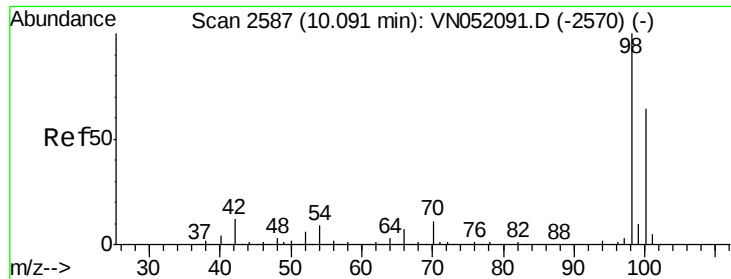
MMDadoda
11/19/2018 12:45:40 PM



#62
Toluene
Concen: 20.806 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. -0.00 min
Lab File: VN052352.D
Acq: 16 Nov 2018 8:52

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.4	44.6	67.0





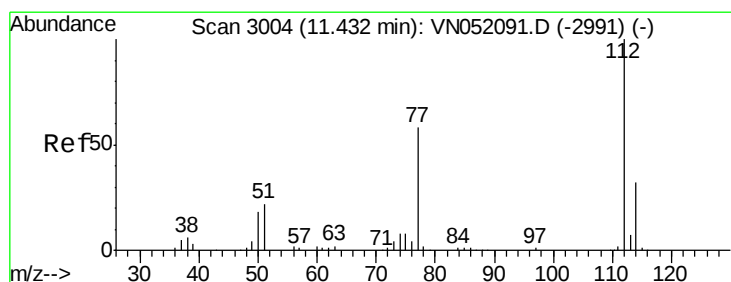
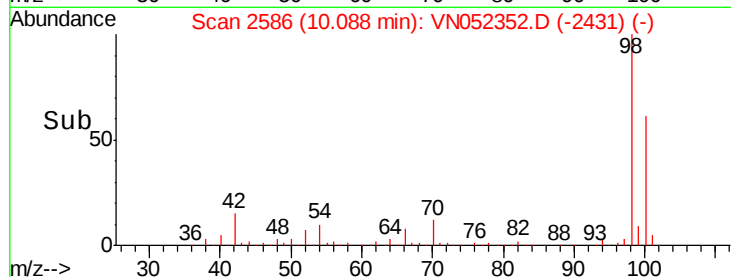
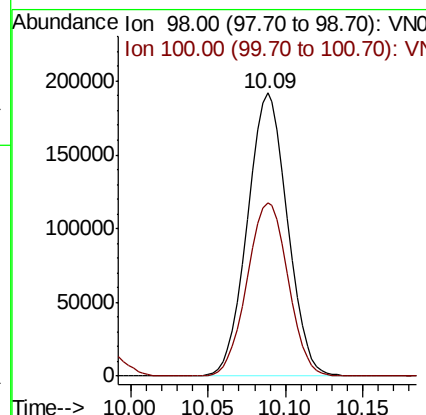
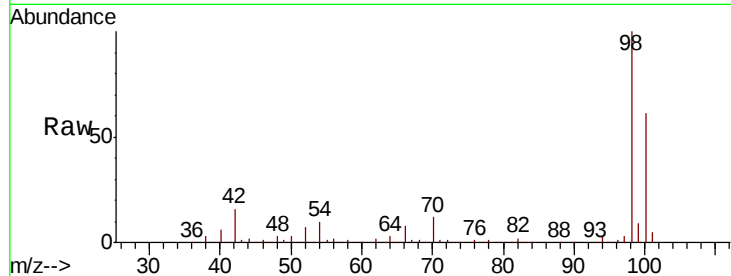
#63
Toluene-d8
Concen: 20.806 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN052352.D
Acq: 16 Nov 2018 8:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 98 Resp: 345959
Ion Ratio Lower Upper
98 100
100 62.8 50.7 76.1

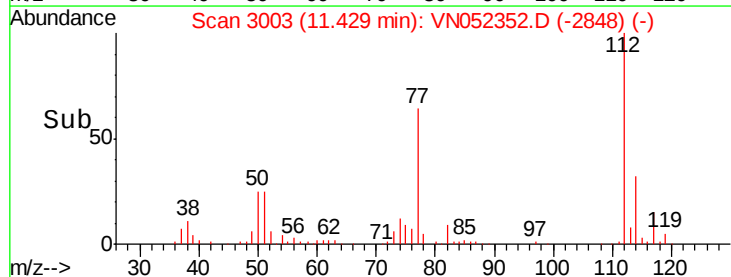
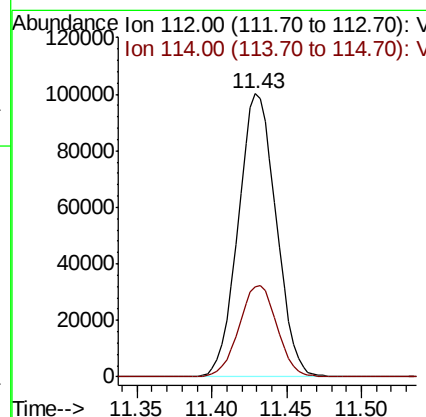
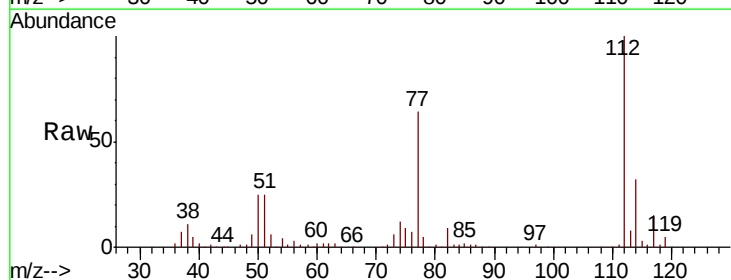
Manual Integrations
APPROVED

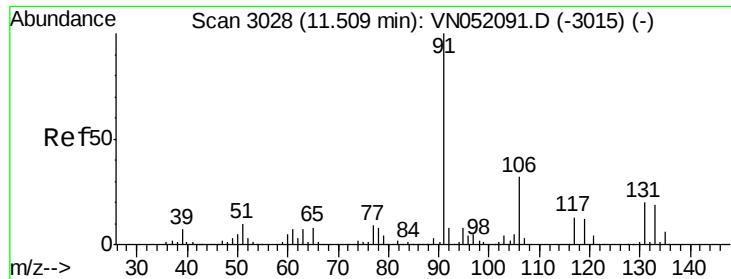
MMDadoda
11/19/2018 12:45:40 PM



#64
Chlorobenzene
Concen: 20.260 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN052352.D
Acq: 16 Nov 2018 8:52

Tgt Ion: 112 Resp: 176431
Ion Ratio Lower Upper
112 100
114 32.0 25.5 38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 20.700 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN052352.D

Acq: 16 Nov 2018 8:52

Instrument :

MSVOA_N

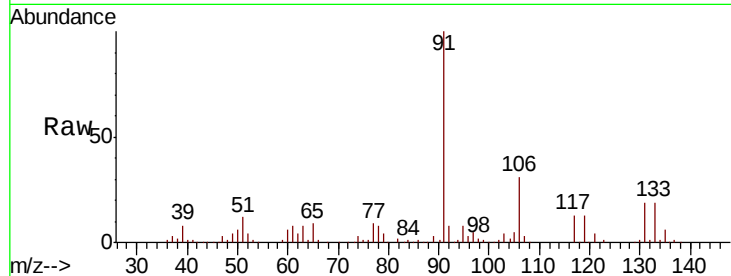
ClientSampleId :

VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
131	100	61355		
133	98.0	0.0	188.8	
119	69.6	0.0	131.4	

Manual Integrations
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MMDadoda
11/19/2018 12:45:40 PM

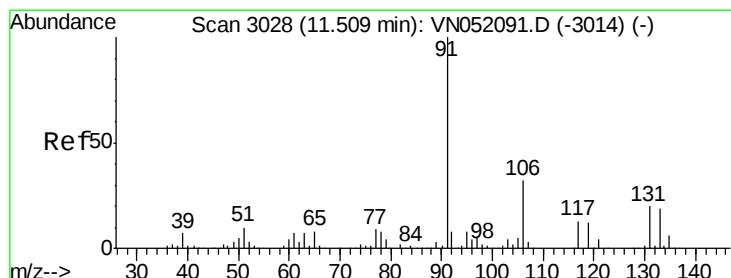
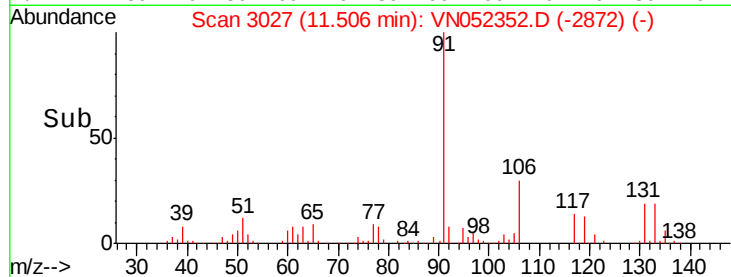
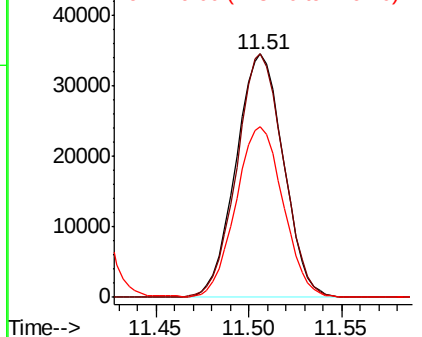


Abundance

Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 21.024 ug/l

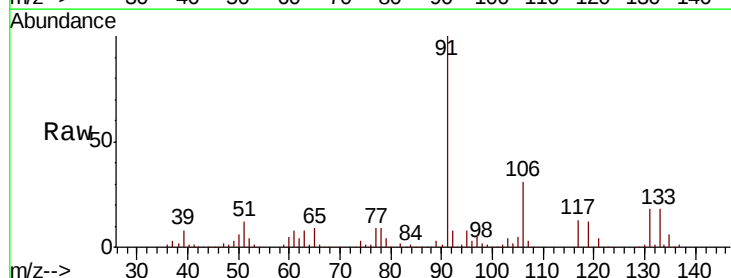
RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052352.D

Acq: 16 Nov 2018 8:52

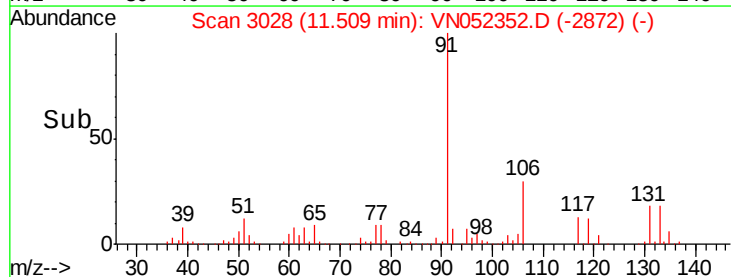
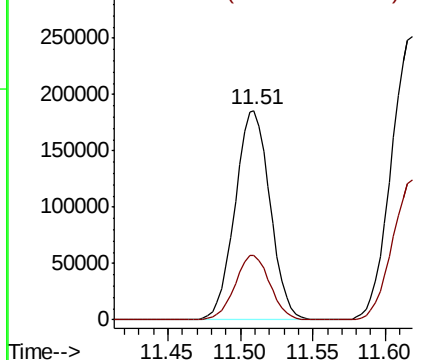
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	312042		
106	30.9	25.7	38.5	

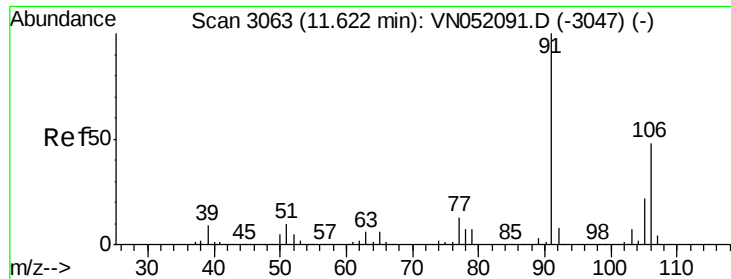


Abundance

Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V





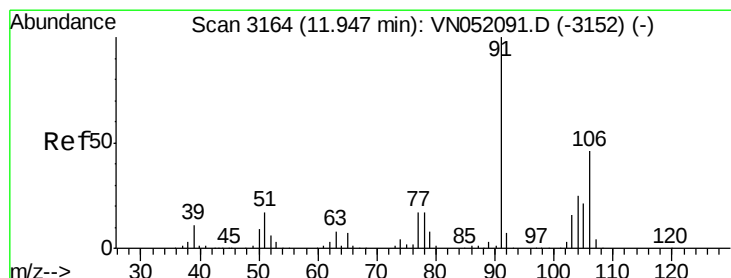
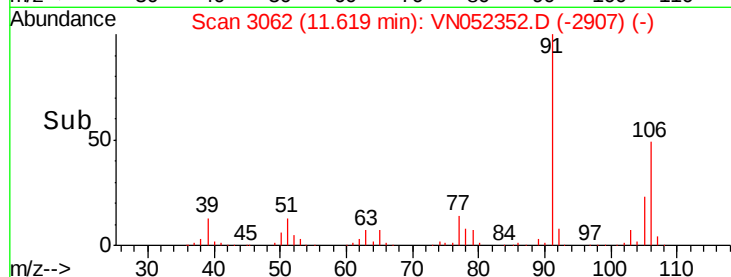
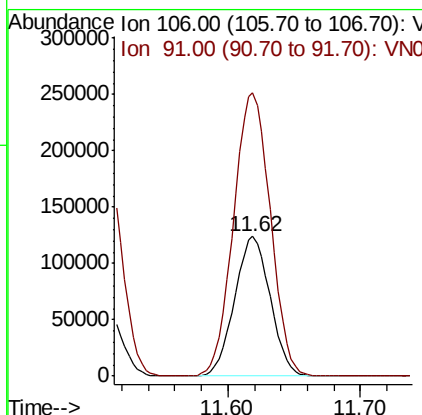
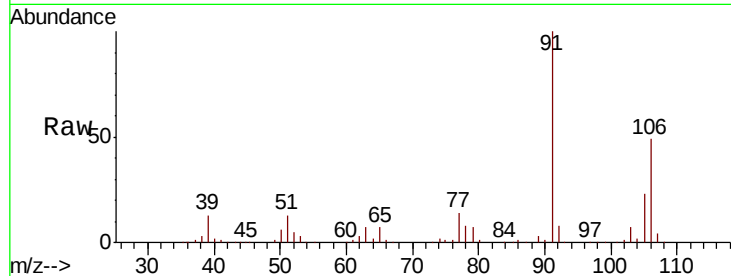
#67
m/p-Xylenes
Concen: 40.570 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN052352.D
Acq: 16 Nov 2018 8:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:106 Resp: 231826
Ion Ratio Lower Upper
106 100
91 208.6 163.6 245.4

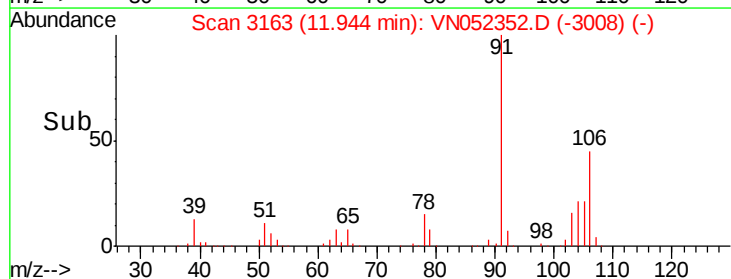
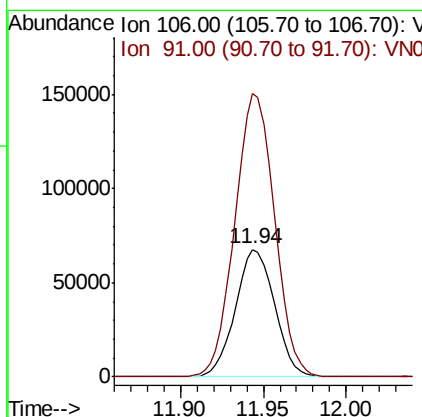
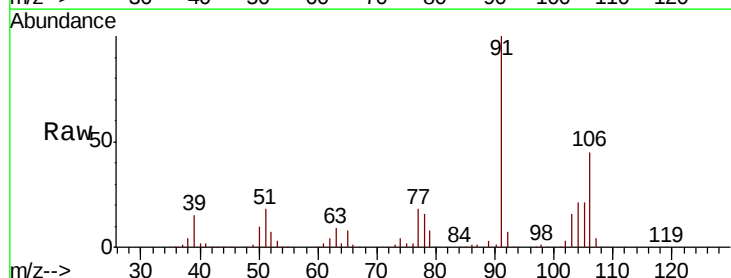
Manual Integrations
APPROVED

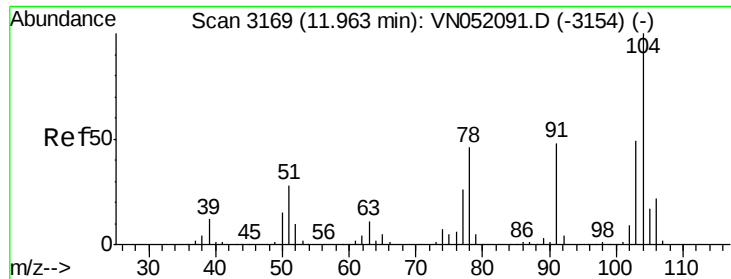
MMDadoda
11/19/2018 12:45:40 PM



#68
o-Xylene
Concen: 20.492 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN052352.D
Acq: 16 Nov 2018 8:52

Tgt Ion:106 Resp: 111638
Ion Ratio Lower Upper
106 100
91 225.2 110.0 330.0





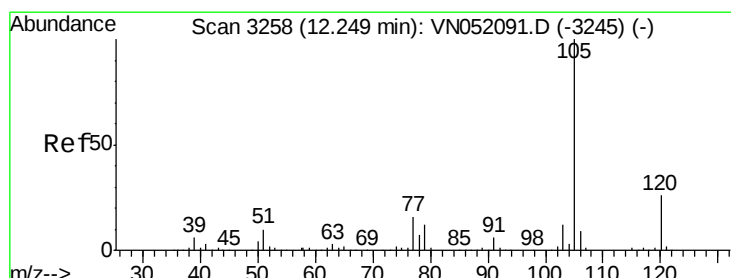
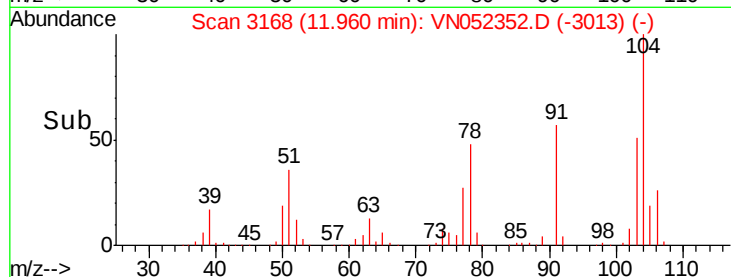
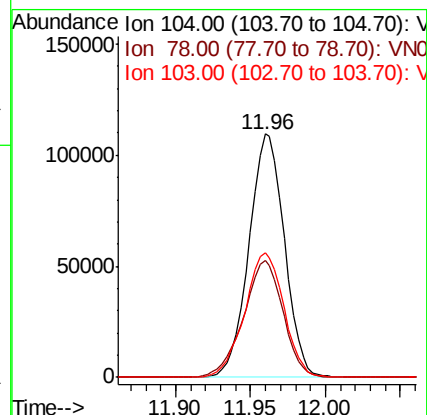
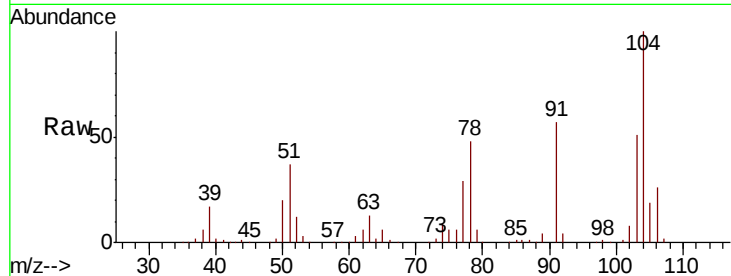
#69
Stvrene
Concen: 20.610 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN052352.D
Acq: 16 Nov 2018 8:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.4	41.3	61.9
103	56.6	43.3	64.9

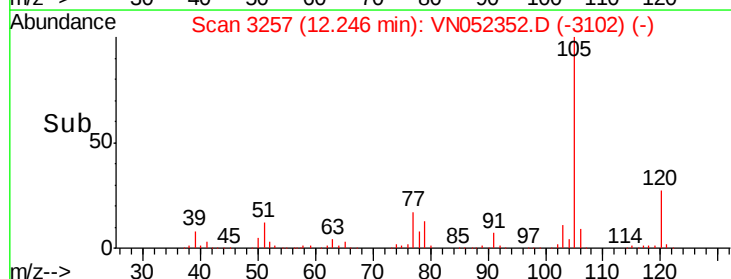
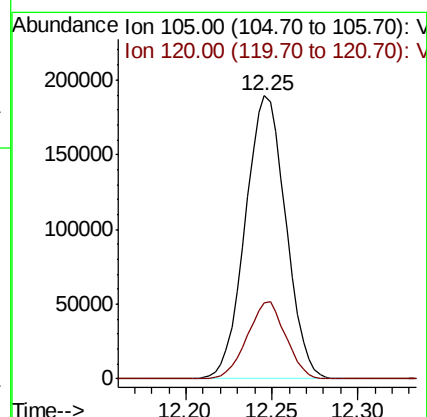
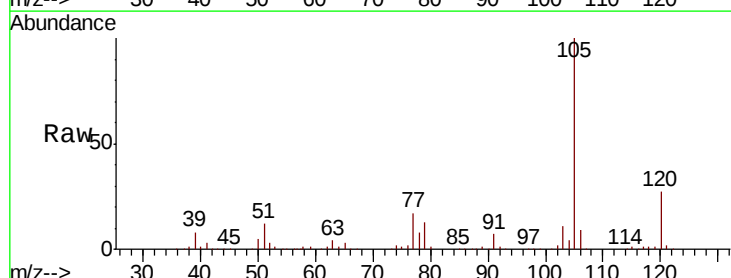
Manual Integrations
APPROVED

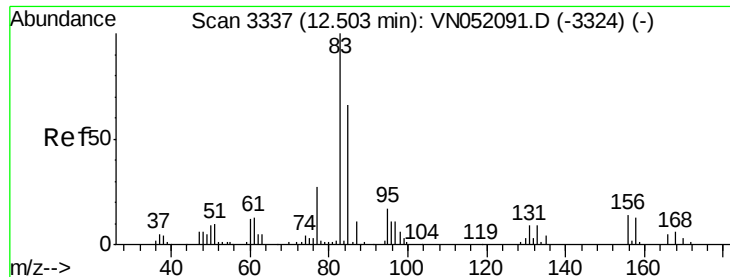
MMDadoda
11/19/2018 12:45:40 PM



#70
Isopropylbenzene
Concen: 21.192 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. -0.00 min
Lab File: VN052352.D
Acq: 16 Nov 2018 8:52

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.0	18.4	34.2





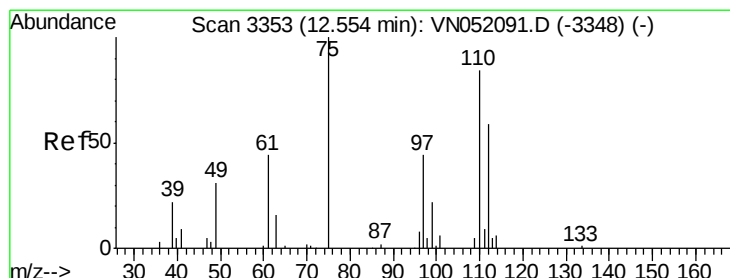
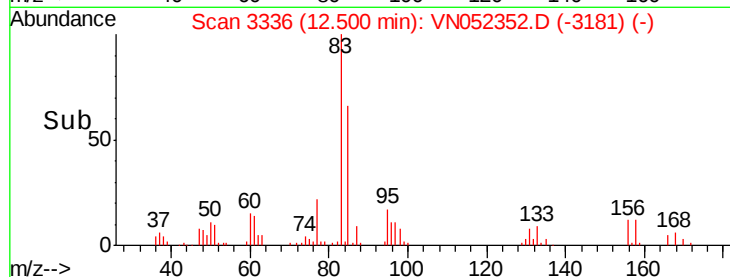
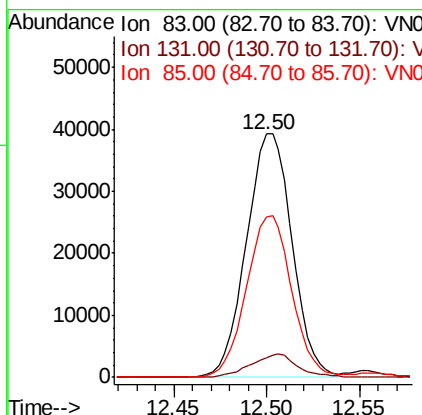
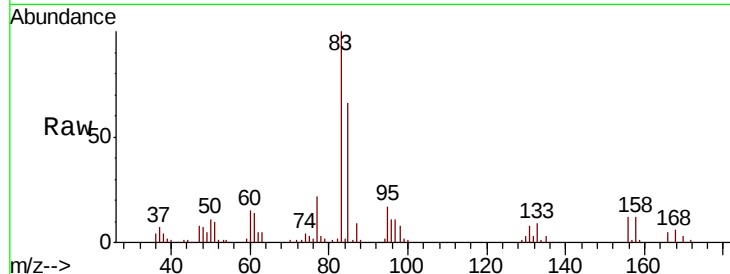
#71
 1,1,2,2-Tetrachloroethane
 Concen: 21.029 ug/l
 RT: 12.50 min Scan# 3336
 Delta R.T. -0.00 min
 Lab File: VN052352.D
 Acq: 16 Nov 2018 8:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	83	Resp	67647
Ion Ratio	100	Lower	Upper
83	100		
131	9.8	4.8	14.3
85	65.7	32.7	98.1

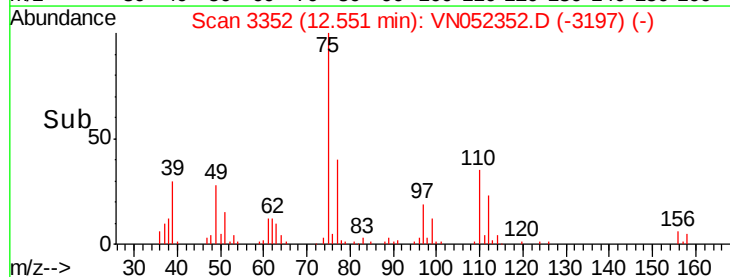
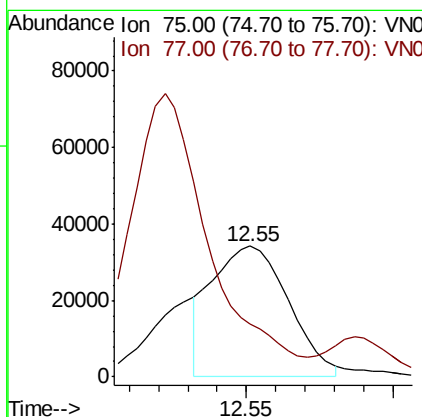
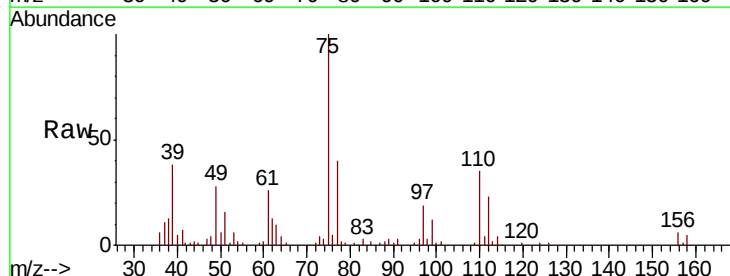
Manual Integrations
 APPROVED

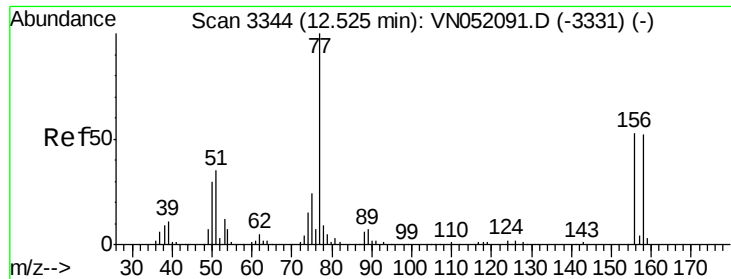
MMDadoda
 11/19/2018 12:45:40 PM



#72
 1,2,3-Trichloropropane
 Concen: 21.938 ug/l m
 RT: 12.55 min Scan# 3352
 Delta R.T. -0.00 min
 Lab File: VN052352.D
 Acq: 16 Nov 2018 8:52

Tgt Ion	75	Resp	62048
Ion Ratio	100	Lower	Upper
75	100		
77	226.0	0.0	481.8





#73

Bromobenzene

Concen: 21.031 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN052352.D

Acq: 16 Nov 2018 8:52

Instrument :

MSVOA_N

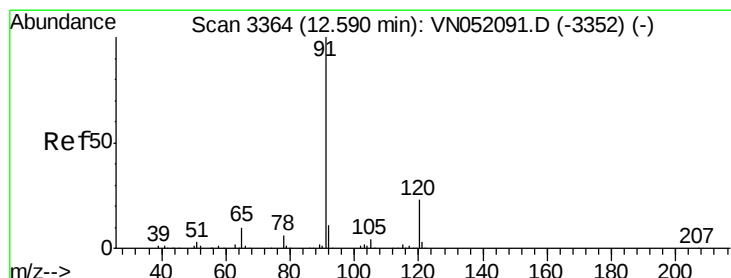
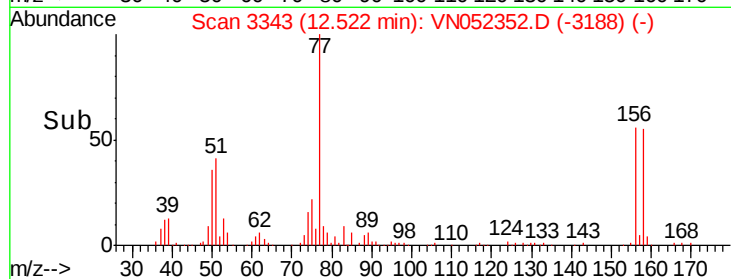
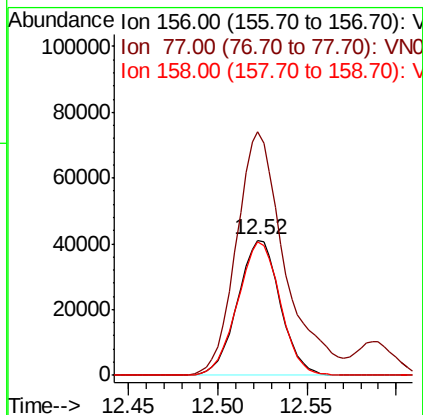
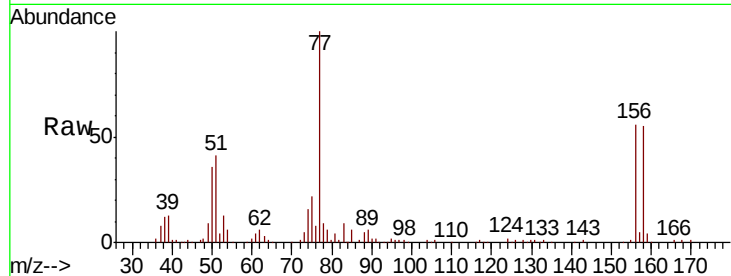
ClientSampleId :

VSTDCCC020

Tot Ion:	156	Resp:	68154
Ion Ratio	Lower	Upper	
156	100		
77	205.8	0.0	428.0
158	99.2	0.0	196.8

Manual Integrations
APPROVED

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11/19/2018 12:45:40 PM



#74

n-propylbenzene

Concen: 21.515 ug/l

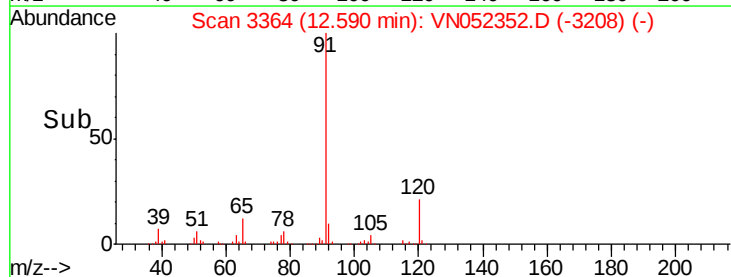
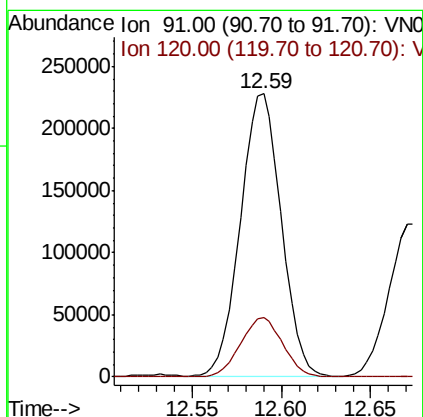
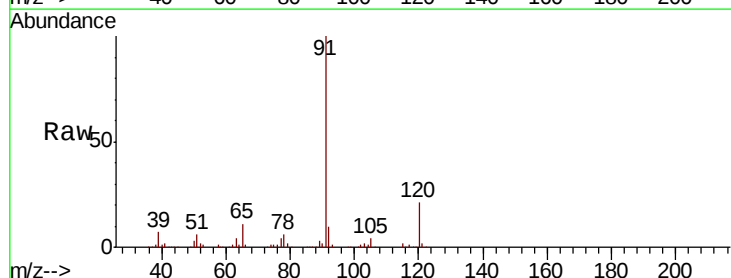
RT: 12.59 min Scan# 3364

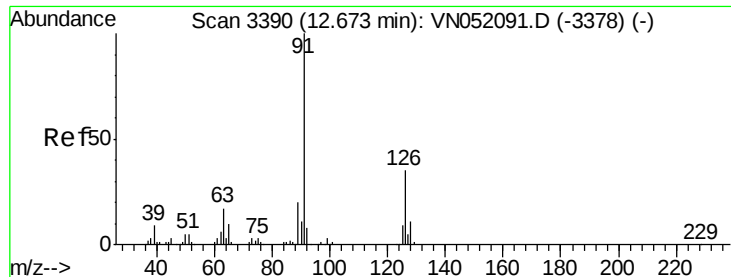
Delta R.T. 0.00 min

Lab File: VN052352.D

Acq: 16 Nov 2018 8:52

Tgt Ion:	91	Resp:	366411
Ion Ratio	Lower	Upper	
91	100		
120	21.5	0.0	44.8





#75

2-Chlorotoluene

Concen: 21.386 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN052352.D

Acq: 16 Nov 2018 8:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 91 Resp: 209983

Ion Ratio Lower Upper

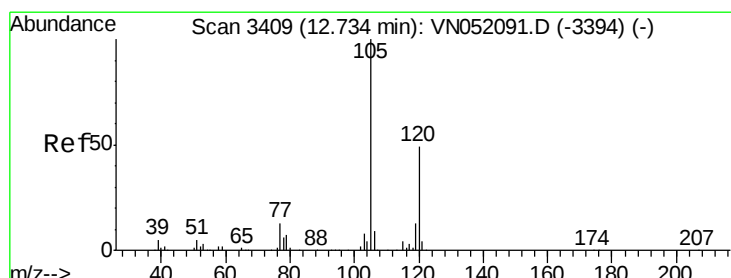
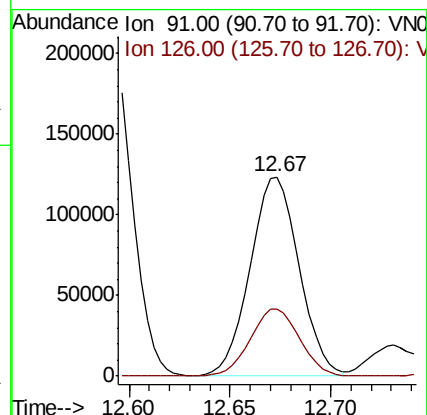
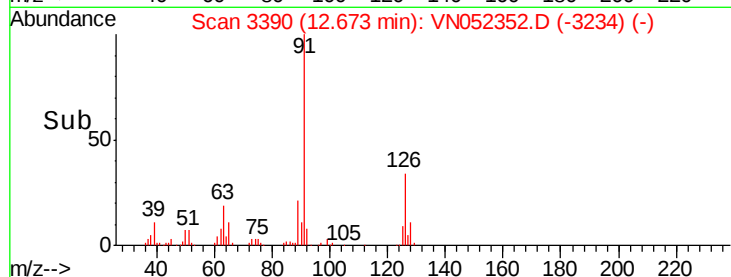
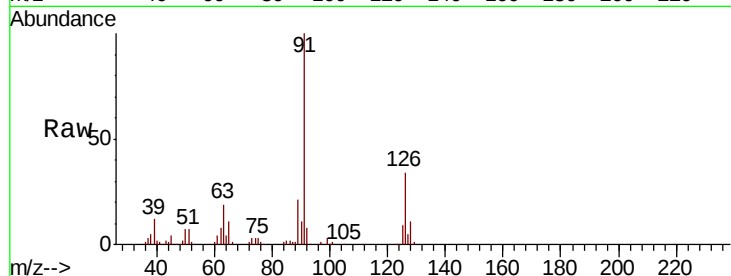
91 100

126 34.0 0.0 68.0

Manual Integrations
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#76

1,3,5-Trimethylbenzene

Concen: 21.785 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052352.D

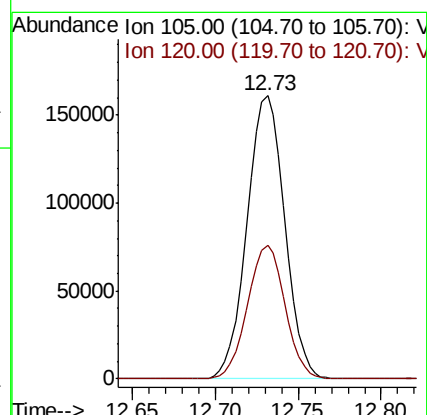
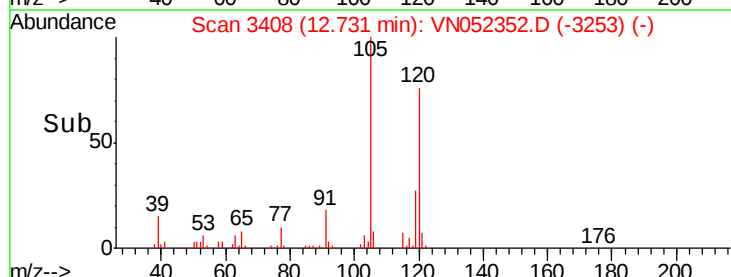
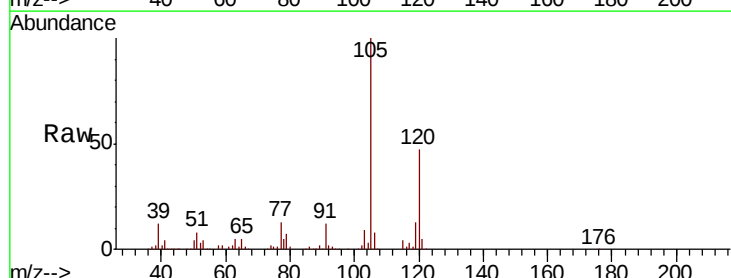
Acq: 16 Nov 2018 8:52

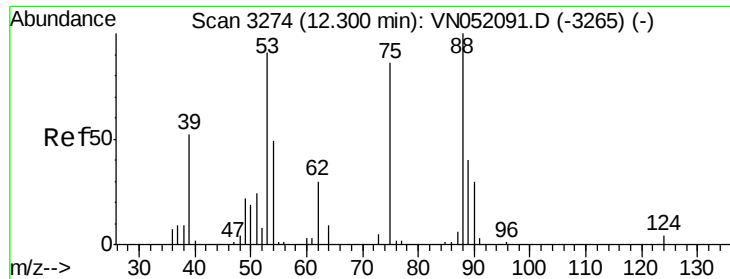
Tgt Ion: 105 Resp: 255479

Ion Ratio Lower Upper

105 100

120 46.9 0.0 95.8





#77

t-1,4-Dichloro-2-butene

Concen: 19.380 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN052352.D

Acq: 16 Nov 2018 8:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 75 Resp: 17151

Ion Ratio Lower Upper

75 100

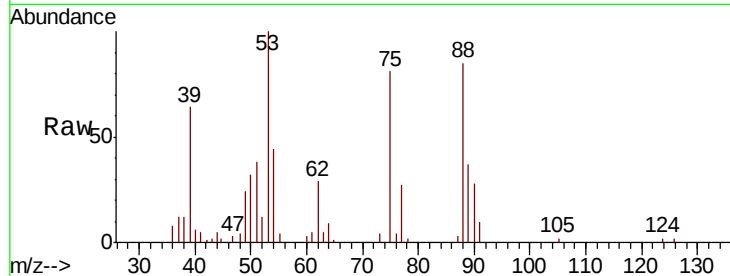
53 120.8 50.7 152.1

89 43.5 23.8 71.5

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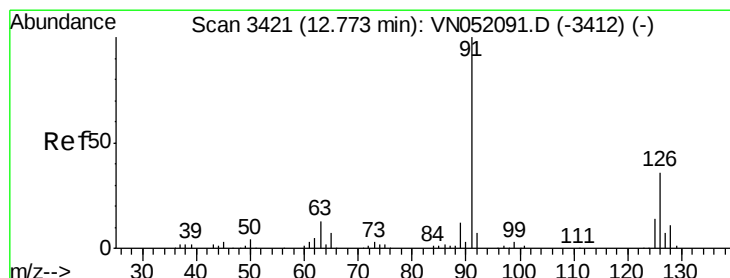
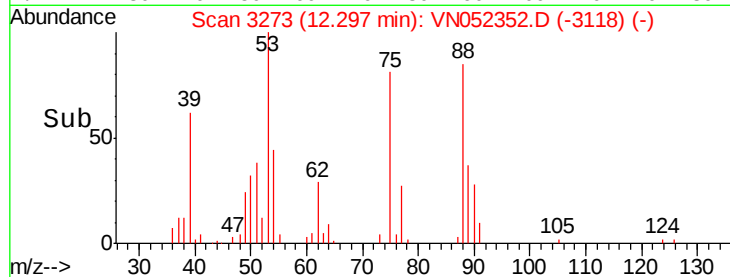
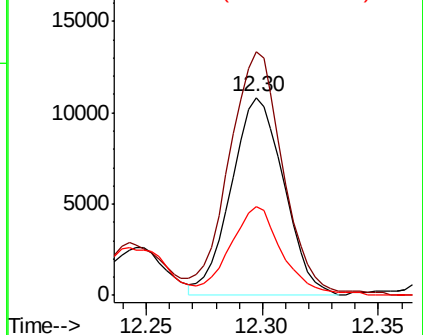
11/19/2018 12:45:40 PM



Abundance Ion 75.00 (74.70 to 75.70): VN052091.D (-3265) (-)

Ion 53.00 (52.70 to 53.70): VN052091.D (-3265) (-)

Ion 89.00 (88.70 to 89.70): VN052091.D (-3265) (-)



#78

4-Chlorotoluene

Concen: 21.388 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN052352.D

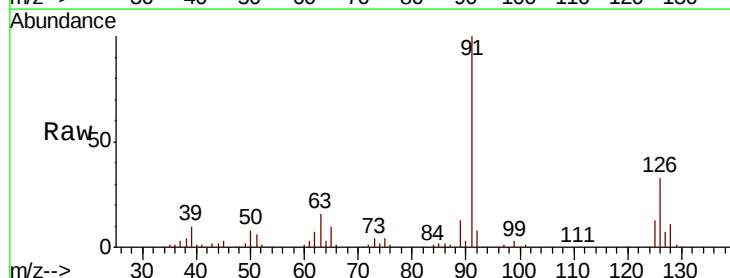
Acq: 16 Nov 2018 8:52

Tgt Ion: 91 Resp: 211478

Ion Ratio Lower Upper

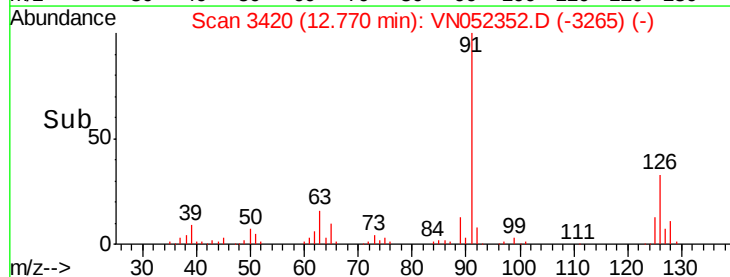
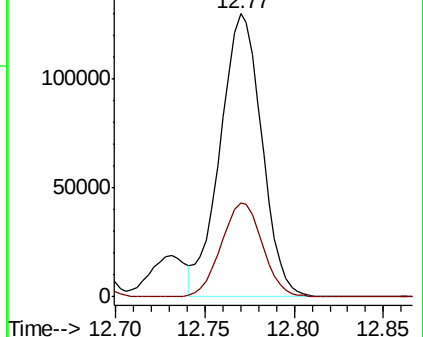
91 100

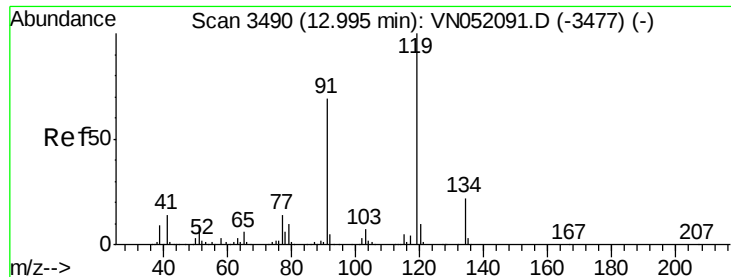
126 32.9 0.0 68.0



Abundance Ion 91.00 (90.70 to 91.70): VN052091.D (-3412) (-)

Ion 126.00 (125.70 to 126.70): VN052091.D (-3412) (-)





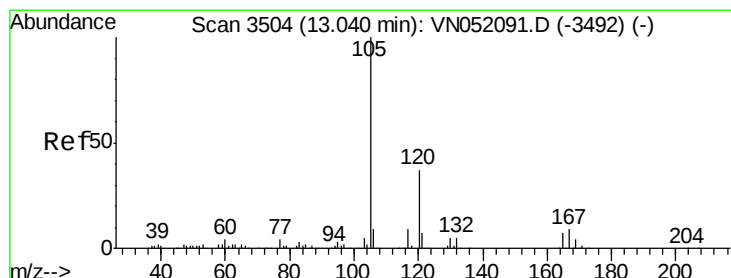
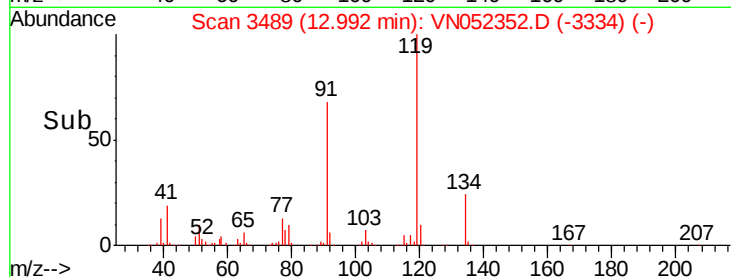
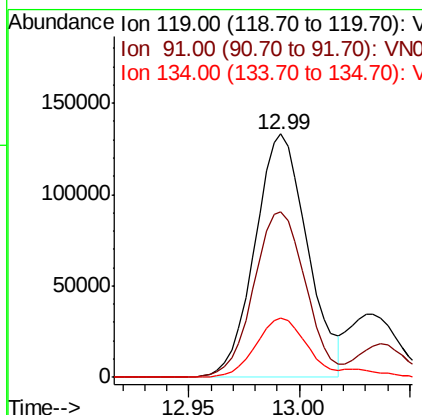
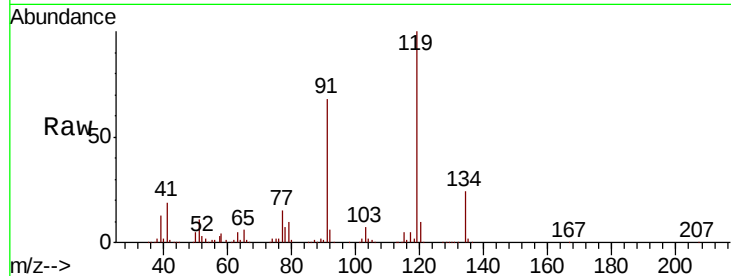
#79
tert-butylbenzene
Concen: 21.559 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN052352.D
Acq: 16 Nov 2018 8:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.2	0.0	131.2
134	23.6	0.0	45.8

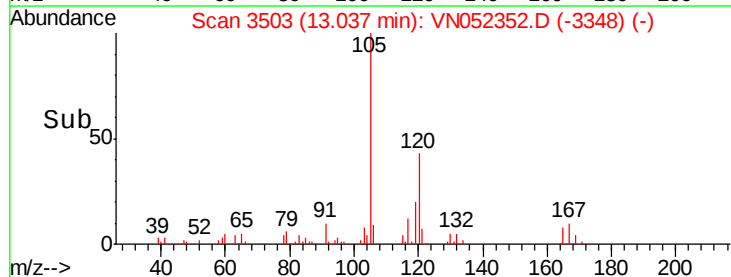
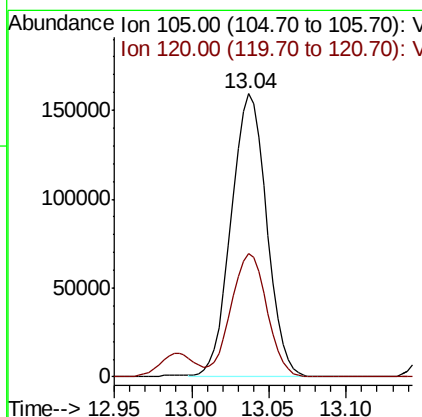
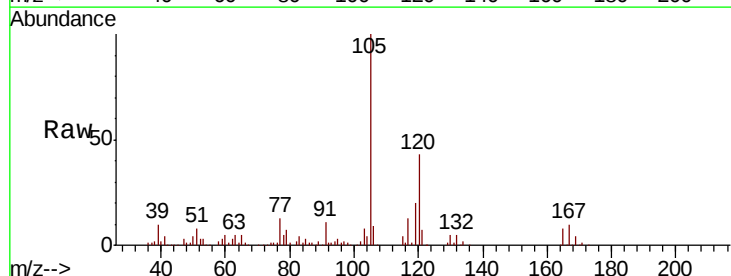
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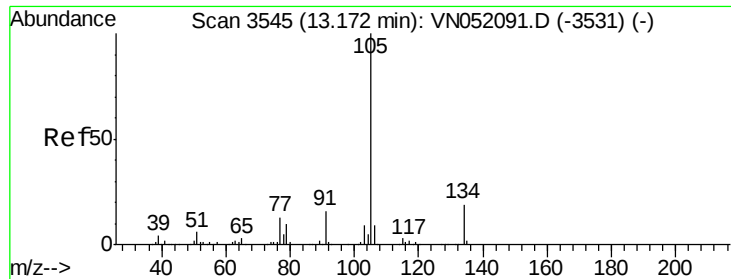
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 21.727 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN052352.D
Acq: 16 Nov 2018 8:52

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.2	0.0	89.4





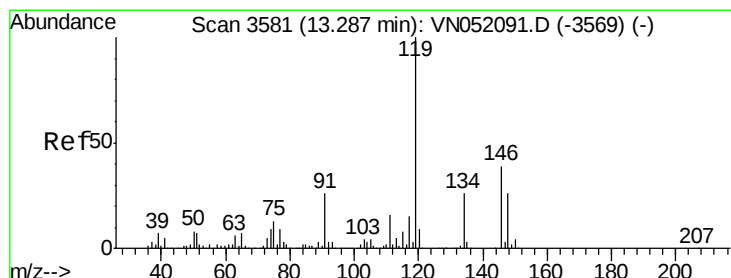
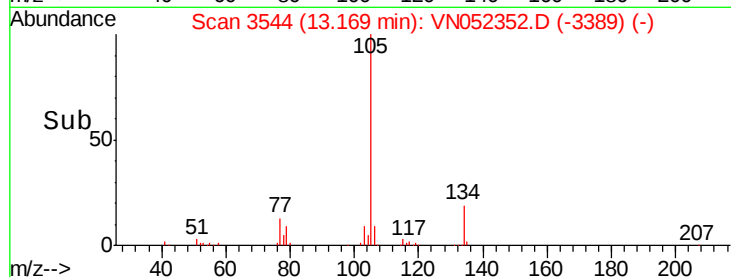
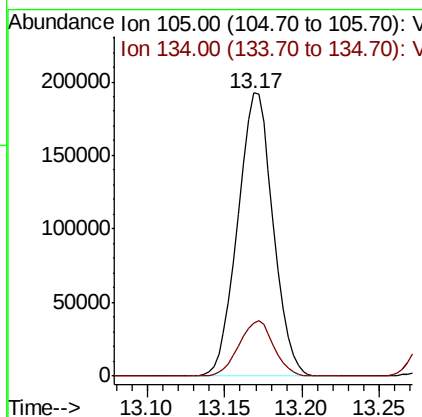
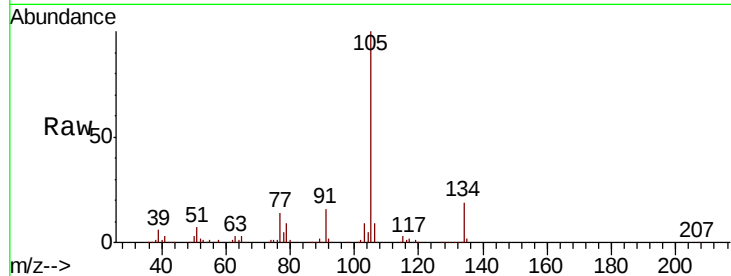
#81
 sec-Butylbenzene
 Concen: 21.765 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN052352.D
 Acq: 16 Nov 2018 8:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	305984		
134	19.2	0.0	38.6	

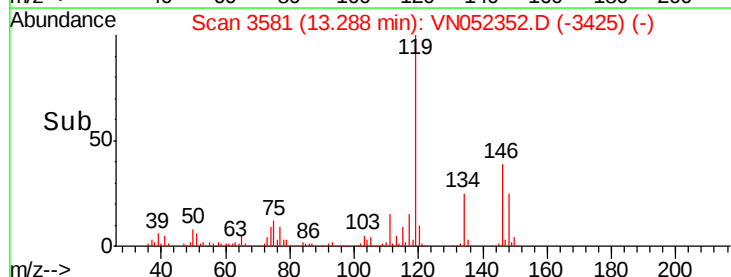
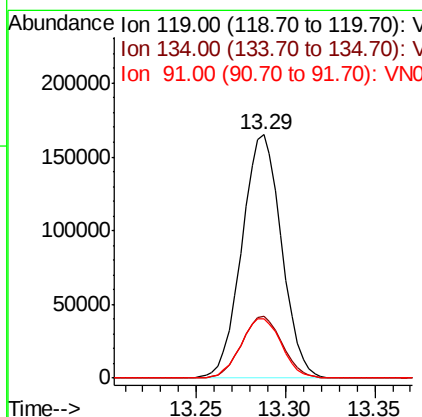
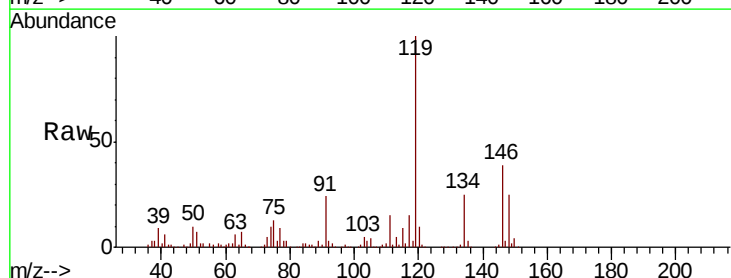
Manual Integrations
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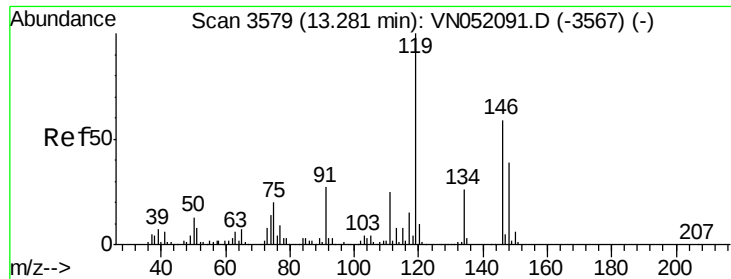
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 11/19/2018 12:45:40 PM



#82
 p-Isopropyltoluene
 Concen: 21.481 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN052352.D
 Acq: 16 Nov 2018 8:52

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	255209		
134	26.1	0.0	52.0	
91	25.2	0.0	50.8	





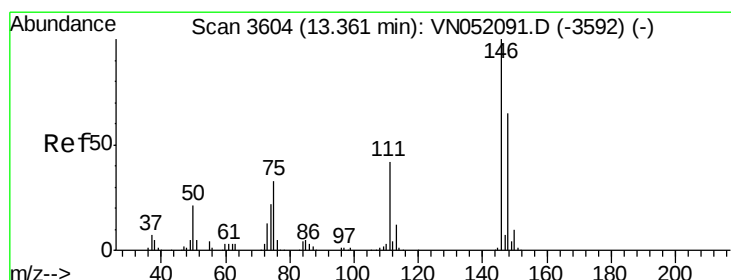
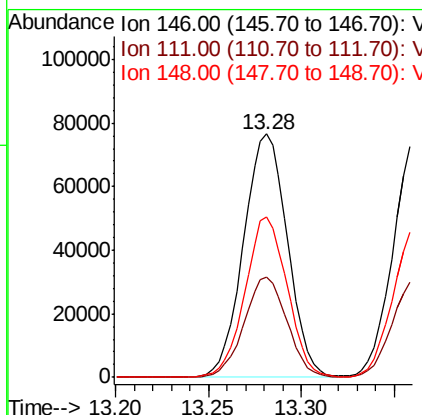
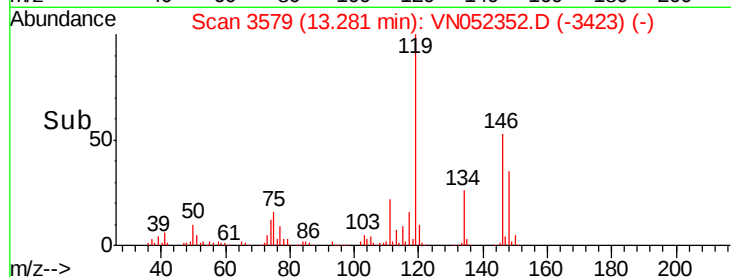
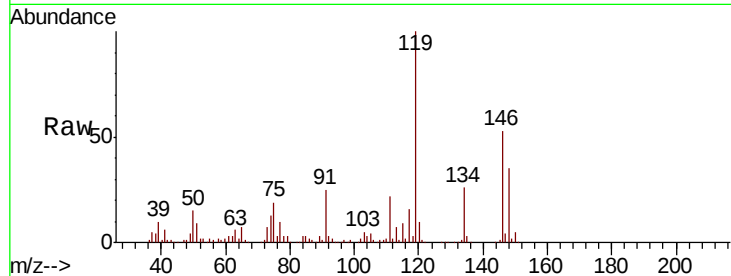
#83
 1,3-Dichlorobenzene
 Concen: 21.971 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN052352.D
 Acq: 16 Nov 2018 8:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	21.0	63.0
148	63.3	33.4	100.2

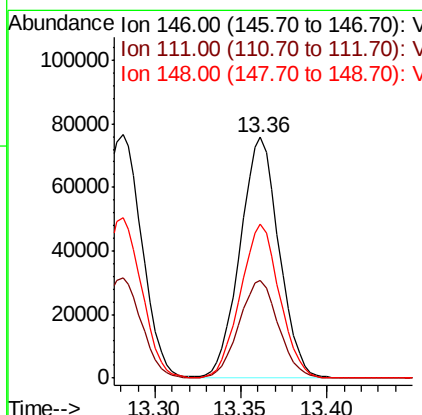
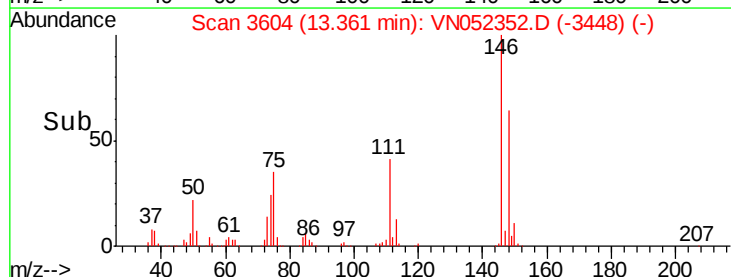
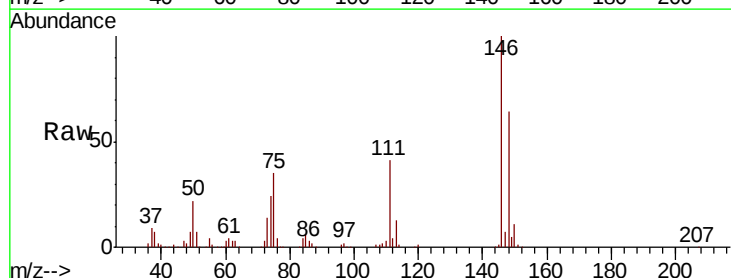
Manual Integrations
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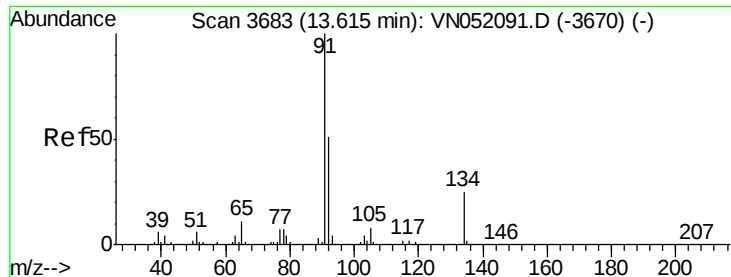
MMDadoda
 11/19/2018 12:45:40 PM



#84
 1,4-Dichlorobenzene
 Concen: 21.021 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN052352.D
 Acq: 16 Nov 2018 8:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	21.4	64.2
148	64.2	32.6	98.0





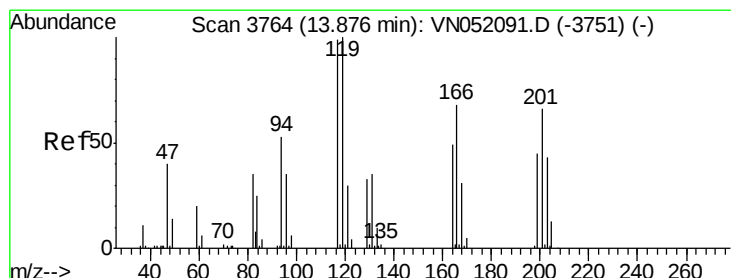
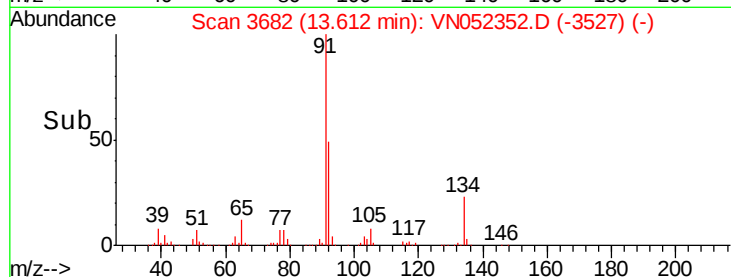
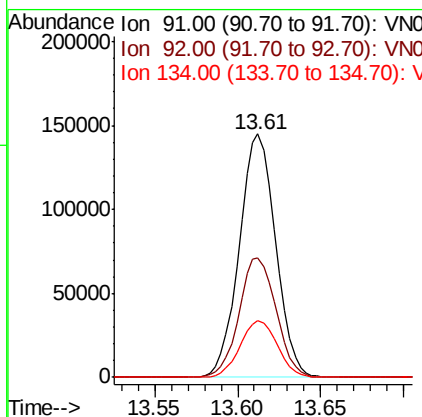
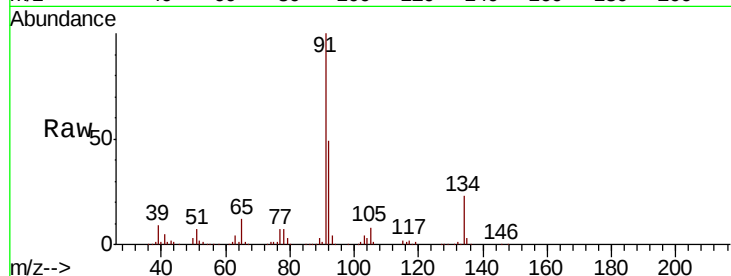
#85
n-Butylbenzene
Concen: 21.464 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN052352.D
Acq: 16 Nov 2018 8:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	220711		
92	50.1	0.0	102.8	
134	23.8	0.0	49.2	

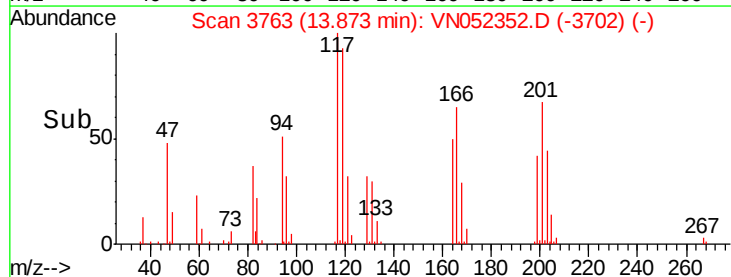
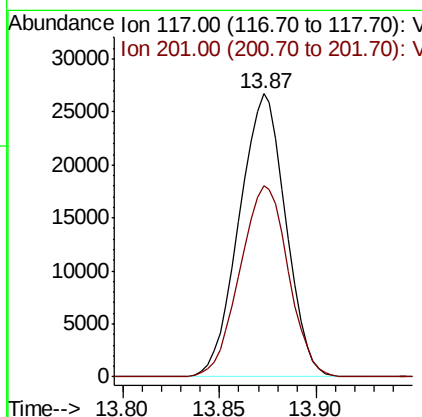
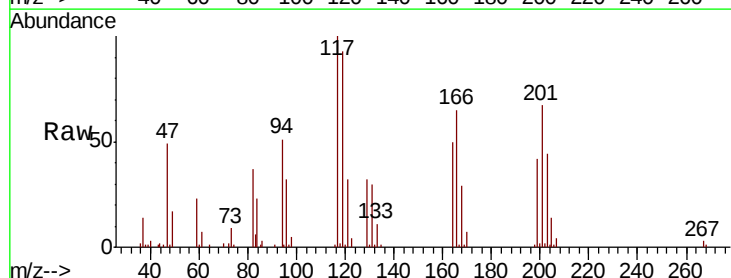
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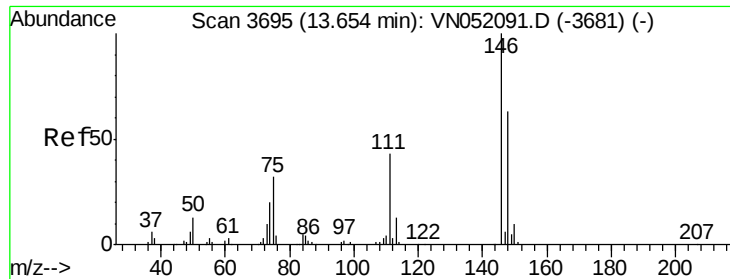
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#86
Hexachloroethane
Concen: 22.292 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN052352.D
Acq: 16 Nov 2018 8:52

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	44694		
201	70.2	32.2	96.6	





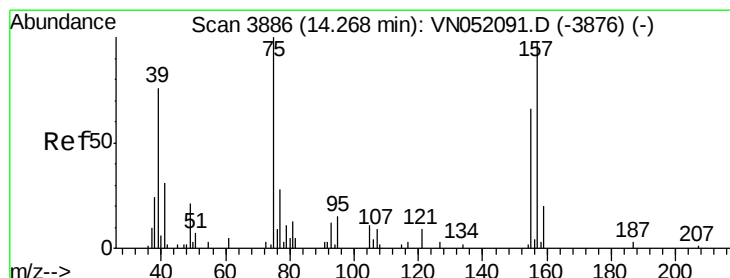
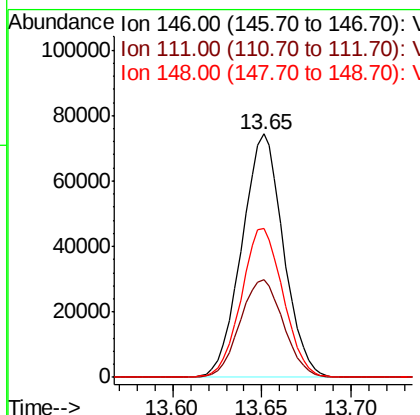
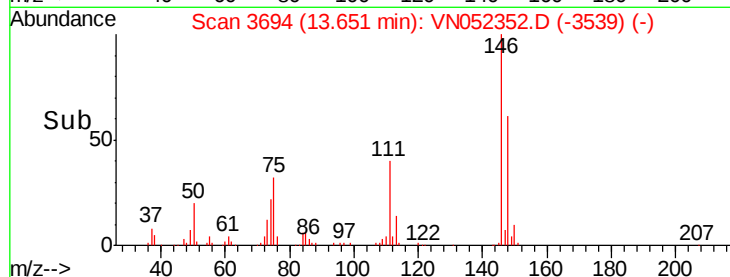
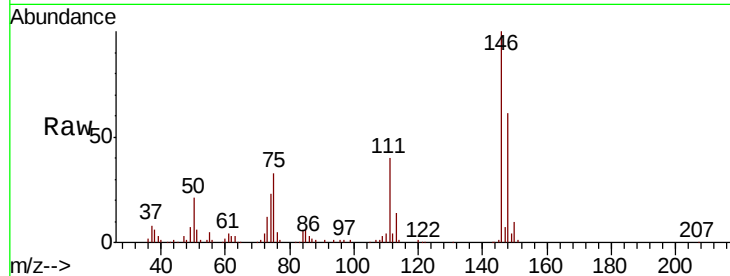
#87
 1,2-Dichlorobenzene
 Concen: 22.275 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN052352.D
 Acq: 16 Nov 2018 8:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	22.4	67.0
148	61.8	32.5	97.4

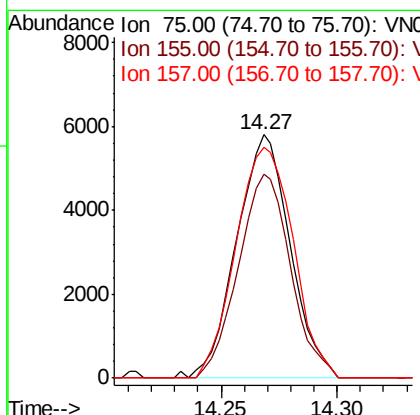
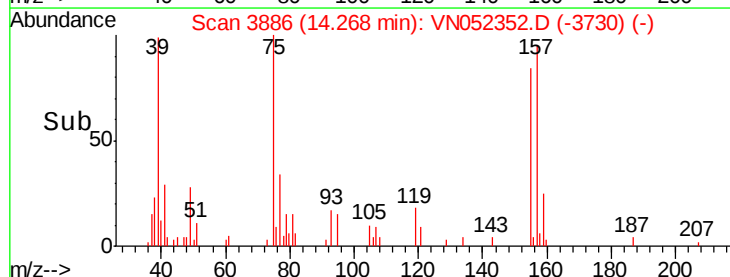
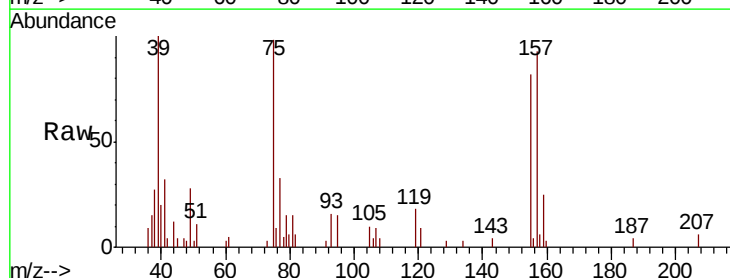
Manual Integrations
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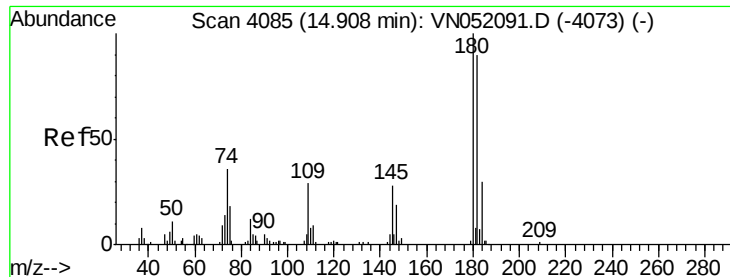
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 21.154 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN052352.D
 Acq: 16 Nov 2018 8:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.8	56.7	85.1
157	101.6	80.4	120.6





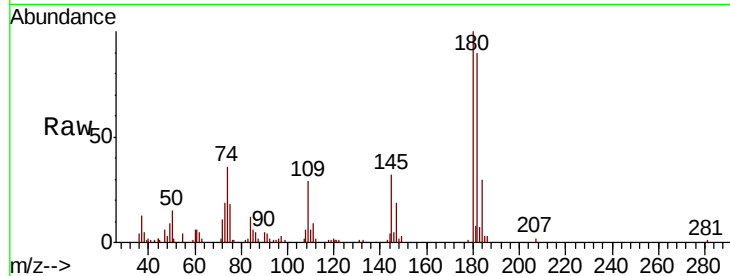
#89
 1,2,4-Trichlorobenzene
 Concen: 21.567 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052352.D
 Acq: 16 Nov 2018 8:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	90.8	74.0	111.0
145	31.2	24.6	36.8

Manual Integrations
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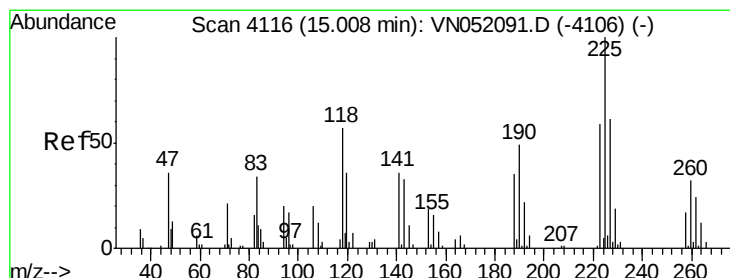
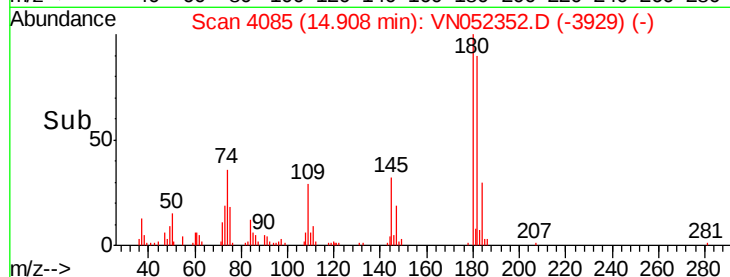
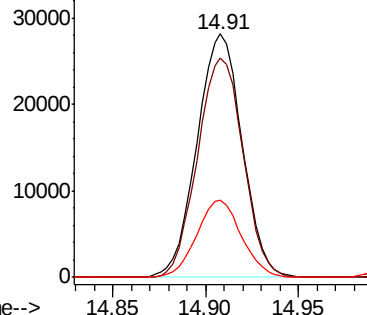


Abundance

Ion 180.00 (179.70 to 180.70): V

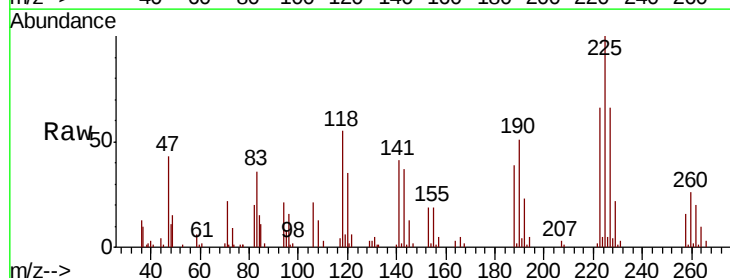
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
 Hexachlorobutadiene
 Concen: 25.949 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN052352.D
 Acq: 16 Nov 2018 8:52

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	0.0	121.2
227	64.0	0.0	127.2

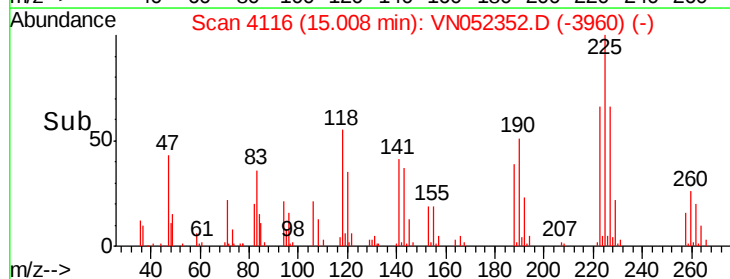
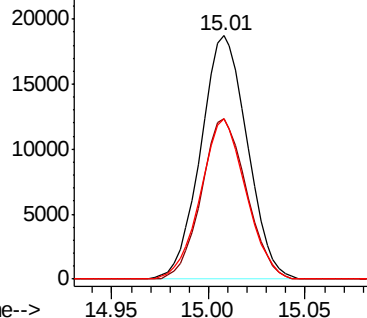


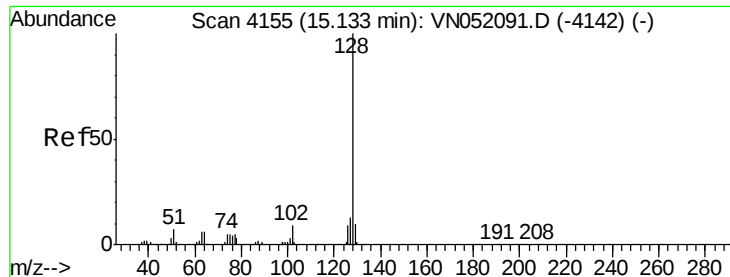
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 18.459 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN052352.D

Acq: 16 Nov 2018 8:52

Instrument :

MSVOA_N

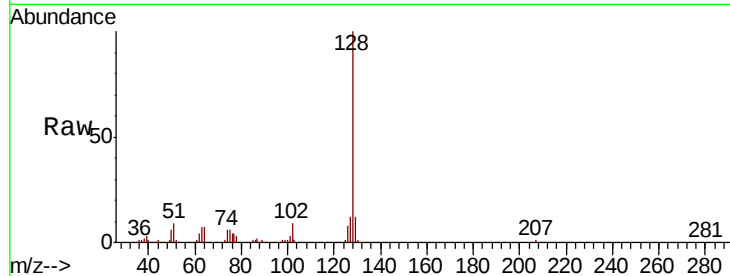
ClientSampleId :

VSTDCCC020

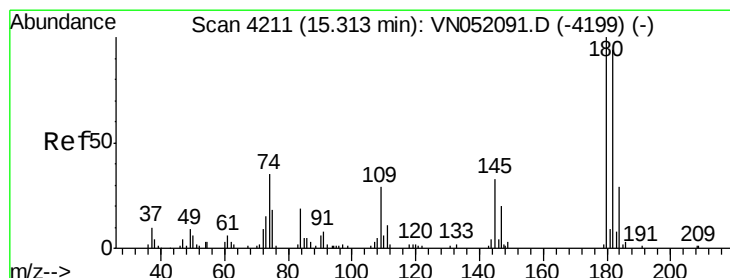
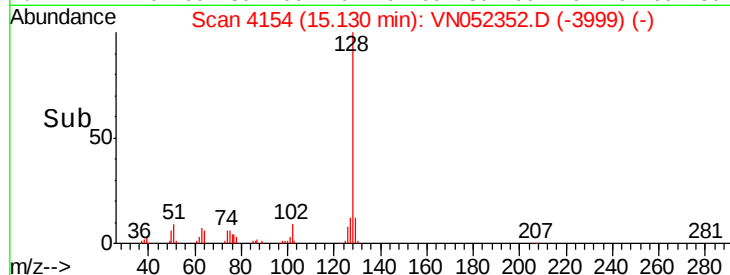
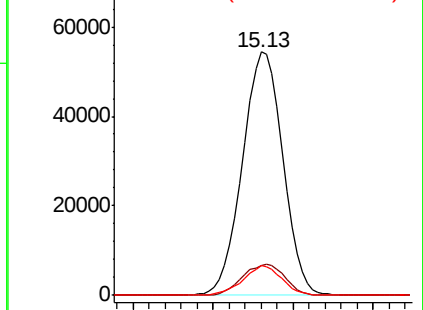
Tot Ion:	128	Resp:	94058
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.4	15.6
129	11.6	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
11/19/2018 12:45:40 PM



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



#92

1,2,3-Trichlorobenzene

Concen: 21.501 ug/l

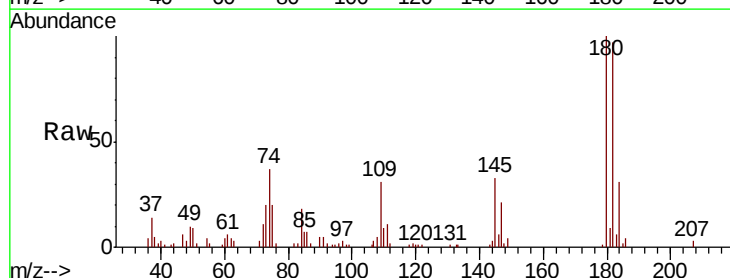
RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN052352.D

Acq: 16 Nov 2018 8:52

Tgt Ion:	180	Resp:	41427
Ion Ratio	Lower	Upper	
180	100		
182	94.3	0.0	186.6
145	32.5	0.0	66.6



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

