

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042619\
 Data File : VN055250.D
 Acq On : 25 Apr 2019 17:59
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMdadoda
 4/26/2019 10:52:36 AM

Quant Time: Apr 26 04:45:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N042619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 26 04:33:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	70086	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	365806	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	311453	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	164560	30.78	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.60%
60) 4-Bromofluorobenzene	12.40	95	130844	27.07	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	90.23%
63) Toluene-d8	10.09	98	463208	31.30	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	104.33%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	21935	5.453 ug/l	97
3) Chloromethane	2.06	50	30781	5.593 ug/l	98
4) Vinyl Chloride	2.19	62	23895	5.059 ug/l	99
5) Bromomethane	2.56	94	14544	5.335 ug/l	88
6) Chloroethane	2.70	64	13906	5.267 ug/l	97
7) Trichlorofluoromethane	3.01	101	35778	5.805 ug/l	91
8) Diethyl Ether	3.41	74	13693	6.584 ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	22188	6.363 ug/l	86
10) 1,1-Dichloroethene	3.74	96	20456	6.324 ug/l	95
11) Methyl Iodide	3.95	142	29974	6.059 ug/l	96
12) Methyl Acetate	4.33	43	28174	6.717 ug/l	91
13) Acrolein	3.61	56	7857	24.875 ug/l	86
14) Acrylonitrile	5.00	53	47463	28.460 ug/l	98
15) Acetone	3.82	58	12332	30.999 ug/l	87
16) Carbon Disulfide	4.06	76	55198	5.294 ug/l	96
17) Allyl chloride	4.33	41	41442	5.382 ug/l	98
18) Methylene Chloride	4.55	84	26584	5.724 ug/l	95
19) trans-1,2-Dichloroethene	5.04	96	22922m	5.629 ug/l	
20) Diisopropyl ether	5.96	45	83602	5.268 ug/l	91
21) 1,1-Dichloroethane	5.85	63	45953	5.480 ug/l	100
22) cis-1,2-Dichloroethene	6.83	96	26112	5.546 ug/l	94
23) tert-Butyl Alcohol	4.79	59	10828m	38.766 ug/l	
24) Methyl tert-Butyl Ether	5.05	73	63698	5.868 ug/l #	80
25) Chloroform	7.37	83	42420	5.308 ug/l	94
26) Cyclohexane	7.65	56	40076	5.248 ug/l #	99
29) 1,1-Dichloropropene	7.79	75	30935	5.387 ug/l	98
30) 2-Butanone	6.84	43	59383	29.698 ug/l #	94
31) 2,2-Dichloropropane	6.83	77	29414	5.495 ug/l #	86
32) 1,1,1-Trichloroethane	7.57	97	34969	5.676 ug/l	100
33) Carbon Tetrachloride	7.77	117	29133	5.517 ug/l	97
34) Benzene	8.04	78	94645	5.531 ug/l #	68
35) Methacrylonitrile	7.17	41	11986	4.975 ug/l	96
36) 1,2-Dichloroethane	8.12	62	34862	5.906 ug/l	98
37) Trichloroethene	8.84	130	24799	5.719 ug/l	96
38) Methylcyclohexane	9.08	83	33635	5.144 ug/l	97
39) 1,2-Dichloropropane	9.12	63	26770	5.607 ug/l	96
40) Dibromomethane	9.21	93	16300	6.007 ug/l	98

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC005

Manual Integrations
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Quant Time: Apr 26 04:45:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N042619W.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.40	83	31693	5.695	ug/l	93
42) Vinyl Acetate	5.90	43	288956	28.844	ug/l	100
43) Ethyl Acetate	6.94	43	23238	5.552	ug/l #	82
44) Isopropyl Acetate	8.17	43	47693	6.625	ug/l	97
45) 1,4-Dioxane	9.20	88	4472	114.973	ug/l #	83
46) Methyl methacrylate	9.20	41	19519	5.367	ug/l	98
47) n-amyl Acetate	12.07	43	26814	5.197	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	26990	5.160	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	33159	5.230	ug/l	100
50) 1,1,2-Trichloroethane	10.56	97	21085	5.706	ug/l	98
51) Ethyl methacrylate	10.43	69	27413	6.053	ug/l	94
52) 1,3-Dichloropropane	10.71	76	37683	5.833	ug/l	97
53) Dibromochloromethane	10.90	129	20213	5.311	ug/l	100
54) 1,2-Dibromoethane	11.00	107	19630	5.614	ug/l	94
55) 2-Chloroethyl vinyl ether	9.69	63	31658	18.116	ug/l	97
56) Bromoform	12.13	173	12072	4.954	ug/l #	95
58) 4-Methyl-2-Pentanone	9.99	43	125669	32.190	ug/l	99
59) 2-Hexanone	10.75	43	80756	32.779	ug/l	96
61) Tetrachloroethene	10.63	164	23184	5.670	ug/l	94
62) Toluene	10.16	91	98905	5.701	ug/l	98
64) Chlorobenzene	11.43	112	54500	5.234	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	20988	5.589	ug/l	96
66) Ethyl Benzene	11.51	91	100618	5.428	ug/l	98
67) m/p-Xylenes	11.62	106	69930	10.169	ug/l	97
68) o-Xylene	11.95	106	34743	5.075	ug/l	94
69) Styrene	11.96	104	51510	4.883	ug/l	99
70) Isopropylbenzene	12.25	105	91236	5.020	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	27004	6.245	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	26410m	7.406	ug/l	
73) Bromobenzene	12.53	156	21298	4.965	ug/l	96
74) n-propylbenzene	12.59	91	96473	4.765	ug/l	100
75) 2-Chlorotoluene	12.67	91	61474	5.009	ug/l	97
76) 1,3,5-Trimethylbenzene	12.73	105	74384	5.076	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	5238	5.689	ug/l	95
78) 4-Chlorotoluene	12.77	91	51987	4.441	ug/l	99
79) tert-butylbenzene	12.99	119	64535	5.077	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	65251	4.514	ug/l	99
81) sec-Butylbenzene	13.17	105	83133	4.918	ug/l	95
82) p-Isopropyltoluene	13.29	119	65683	4.631	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	29803	4.192	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	25170	3.724	ug/l	97
85) n-Butylbenzene	13.61	91	38799	3.474	ug/l	98
86) Hexachloroethane	13.87	117	11098	4.813	ug/l	94
87) 1,2-Dichlorobenzene	13.65	146	31158	4.450	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.26	75	3480	5.985	ug/l #	81
89) 1,2,4-Trichlorobenzene	14.91	180	7515	2.458	ug/l	98
90) Hexachlorobutadiene	15.01	225	11683	5.148	ug/l	91
91) Naphthalene	15.13	128	18176	2.786	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	8679	2.820	ug/l	96

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Sample : VSTDICC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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

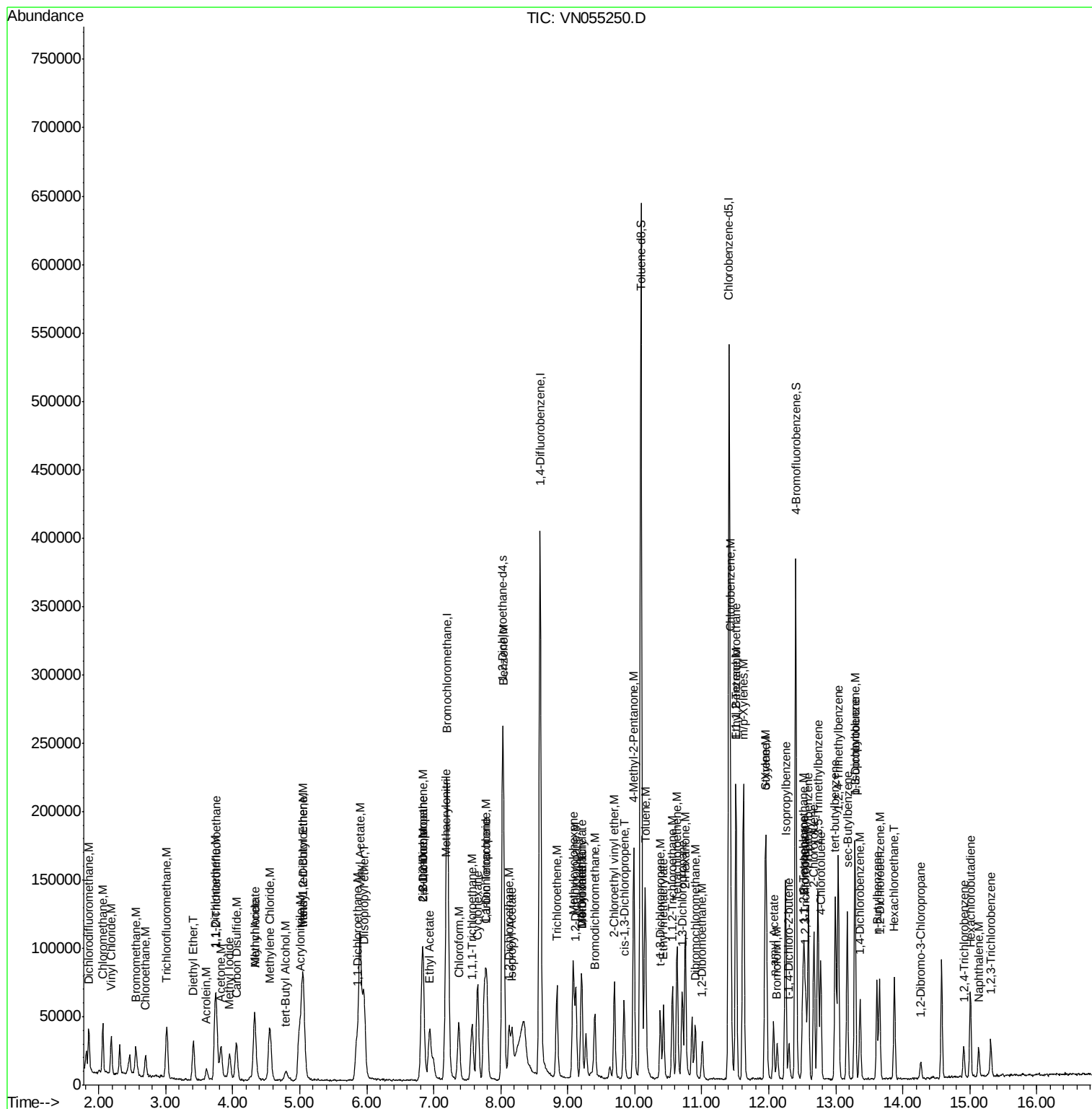
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042619\
Data File : VN055250.D
Acq On : 25 Apr 2019 17:59
Operator : JC/SP
Sample : VSTDIC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

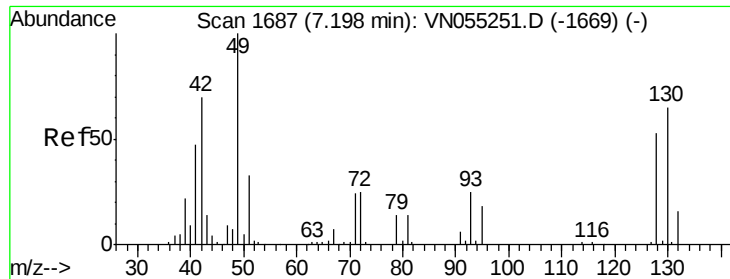
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

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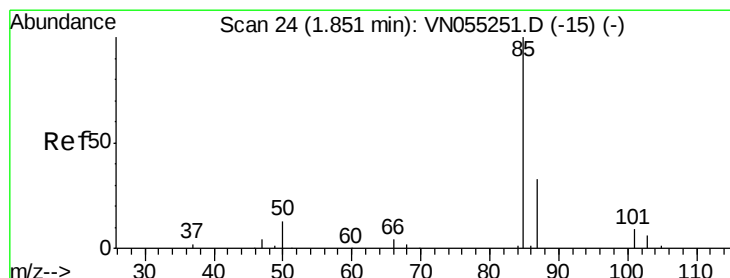
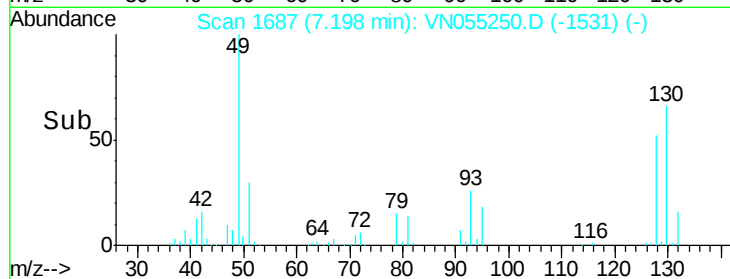
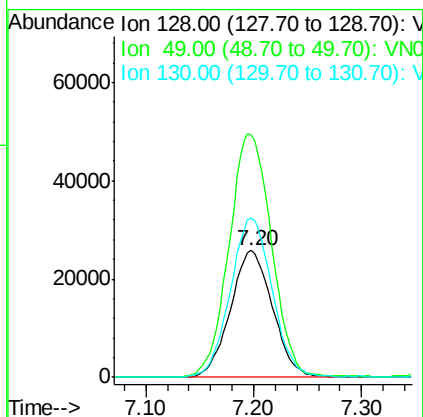
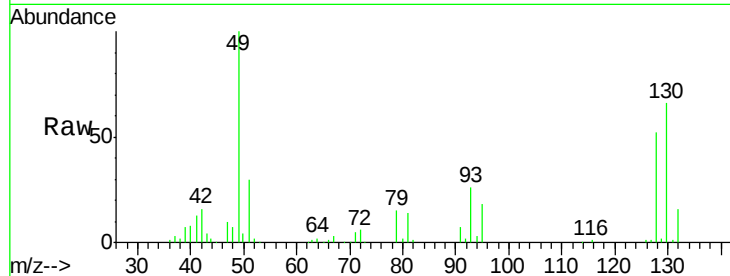
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN055250.D
Acq: 25 Apr 2019 17:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
49	193.6	0.0	485.0
130	124.7	0.0	324.7

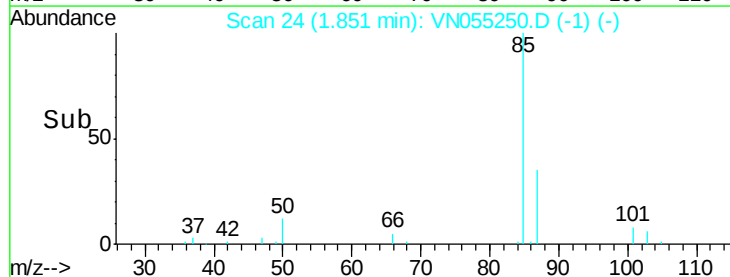
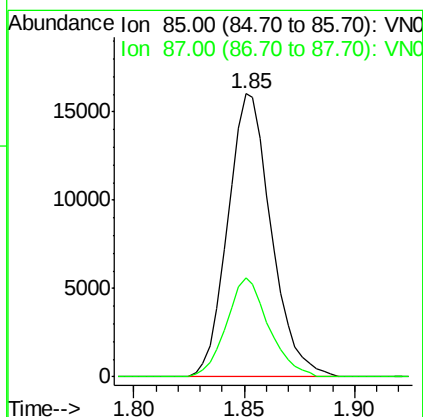
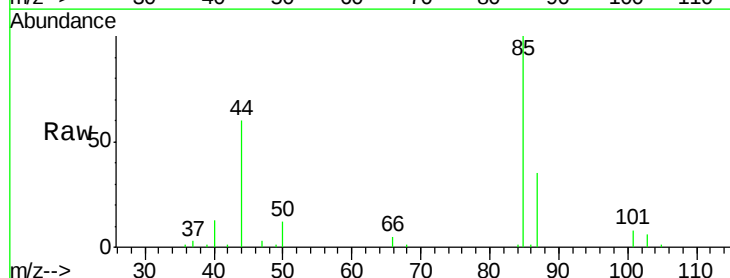
Manual Integrations
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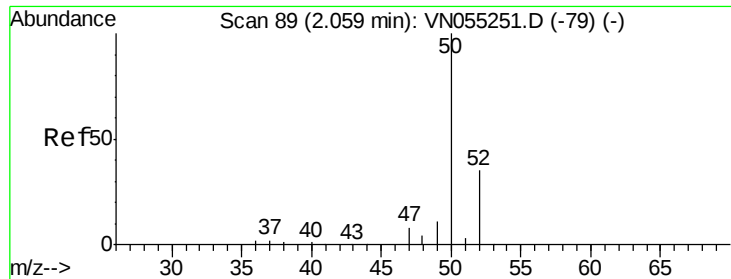
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#2
Dichlorodifluoromethane
Concen: 5.453 ug/l
RT: 1.85 min Scan# 24
Delta R.T. 0.00 min
Lab File: VN055250.D
Acq: 25 Apr 2019 17:59

Tgt Ion	Ratio	Lower	Upper
85	100		
87	35.0	16.6	49.7





#3

Chloromethane

Concen: 5.593 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 30781

Ion Ratio Lower Upper

50 100

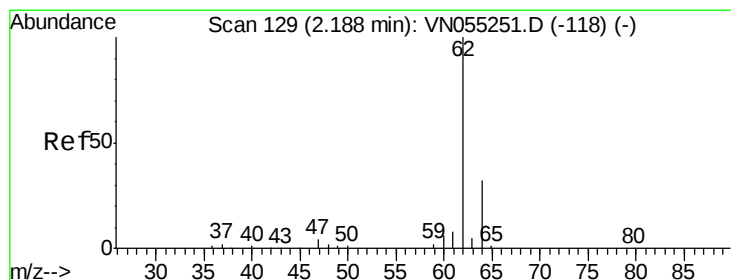
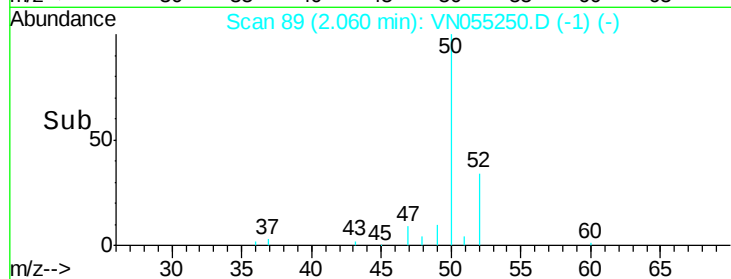
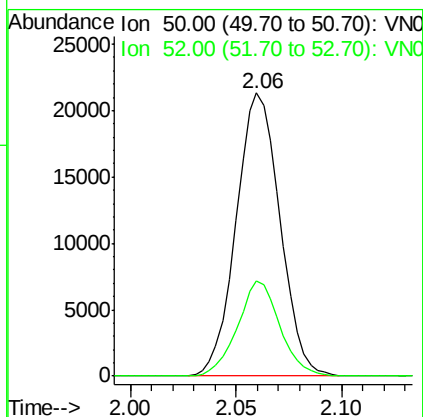
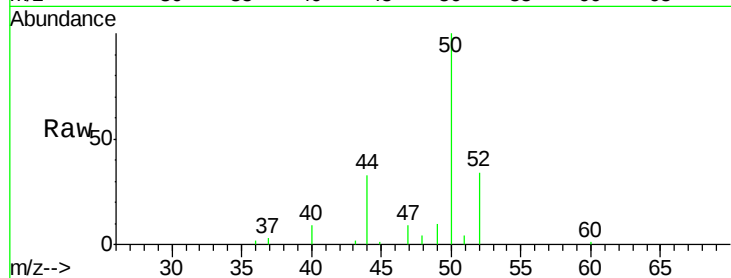
52 33.8 27.9 41.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 5.059 ug/l

RT: 2.19 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN055250.D

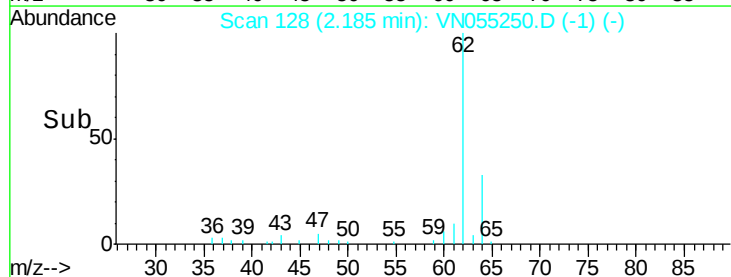
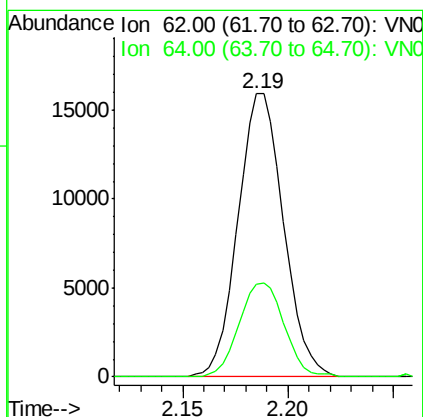
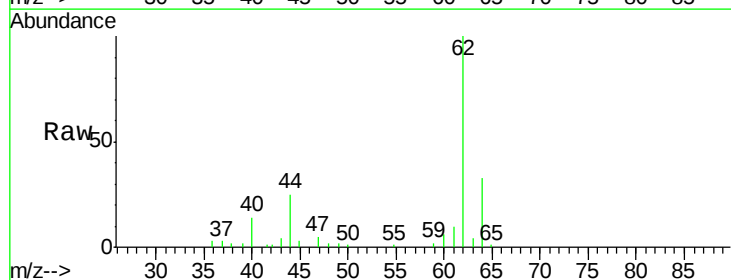
Acq: 25 Apr 2019 17:59

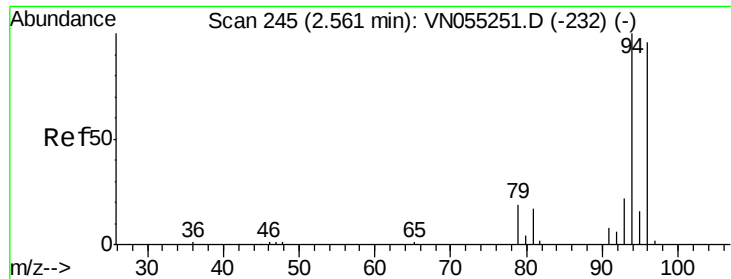
Tgt Ion: 62 Resp: 23895

Ion Ratio Lower Upper

62 100

64 32.6 25.6 38.4





#5

Bromomethane

Concen: 5.335 ug/l

RT: 2.56 min Scan# 244

Delta R.T. -0.00 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 14544

Ion Ratio Lower Upper

94 100

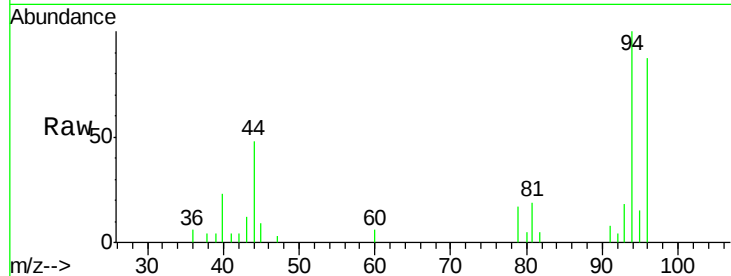
96 84.5 77.0 115.6

Manual Integrations

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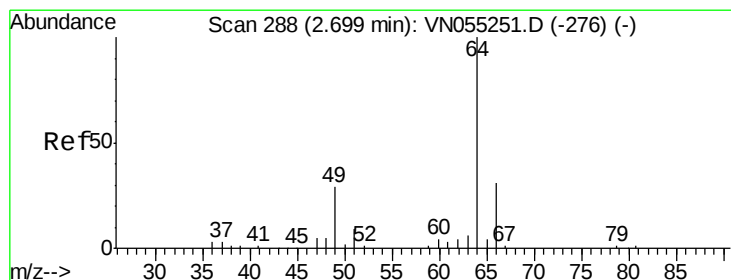
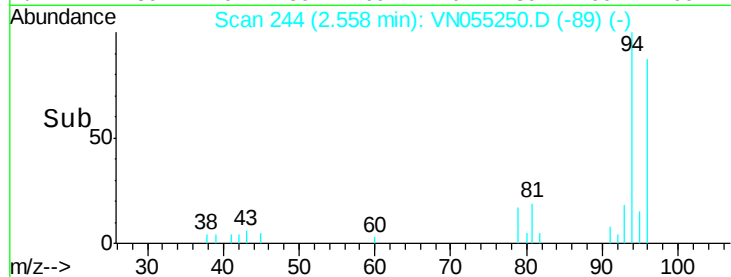
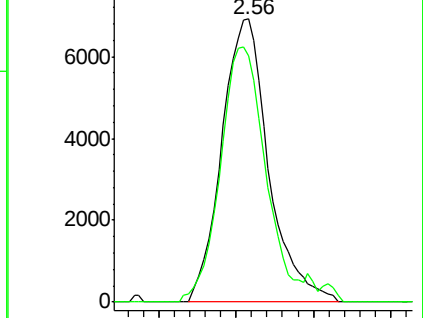
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Abundance Ion 94.00 (93.70 to 94.70): VNO

Ion 96.00 (95.70 to 96.70): VNO



#6

Chloroethane

Concen: 5.267 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.00 min

Lab File: VN055250.D

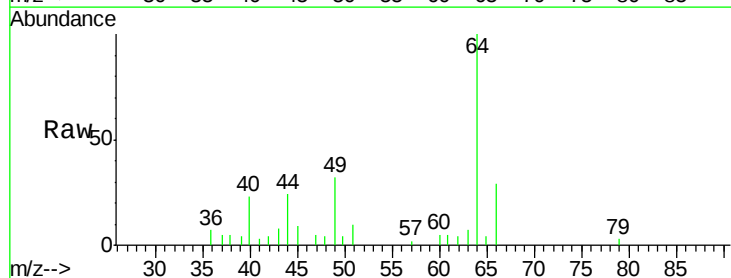
Acq: 25 Apr 2019 17:59

Tgt Ion: 64 Resp: 13906

Ion Ratio Lower Upper

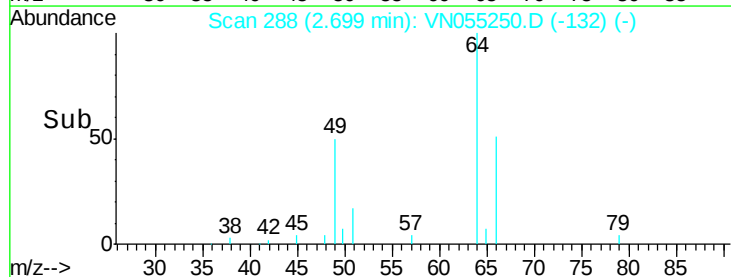
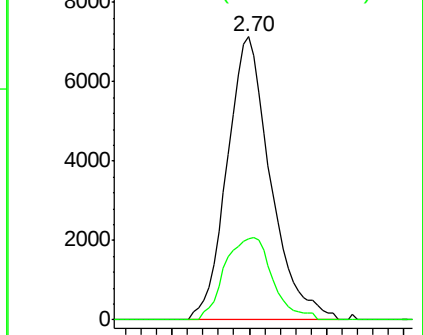
64 100

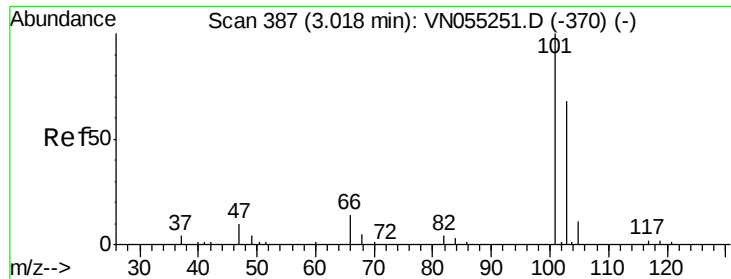
66 28.9 24.6 36.8



Abundance Ion 64.00 (63.70 to 64.70): VNO

Ion 66.00 (65.70 to 66.70): VNO





#7

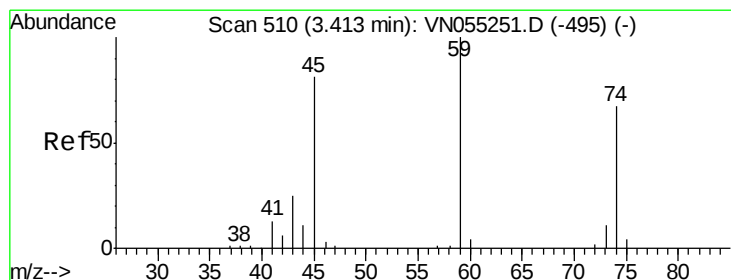
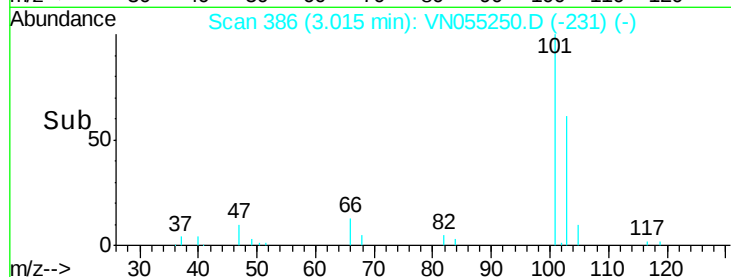
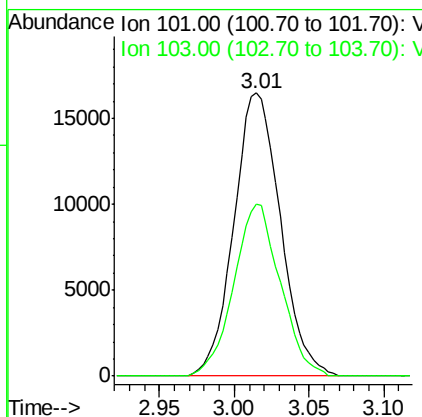
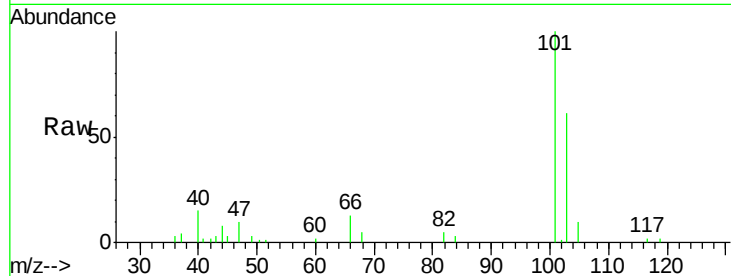
Trichlorofluoromethane
 Concen: 5.805 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VN055250.D
 Acq: 25 Apr 2019 17:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:101 Resp: 35778
 Ion Ratio Lower Upper
 101 100
 103 60.8 54.6 81.8

Manual Integrations
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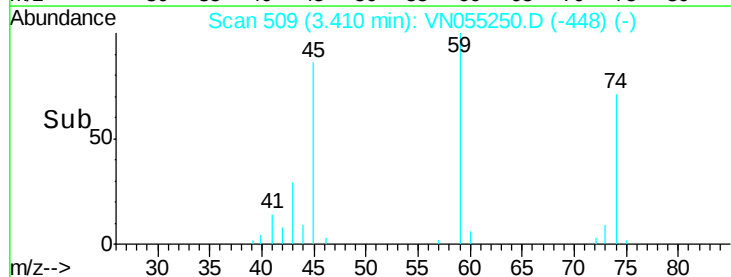
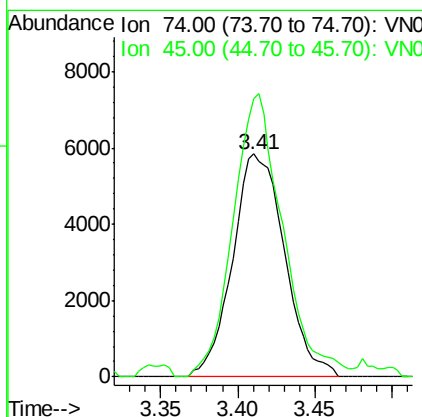
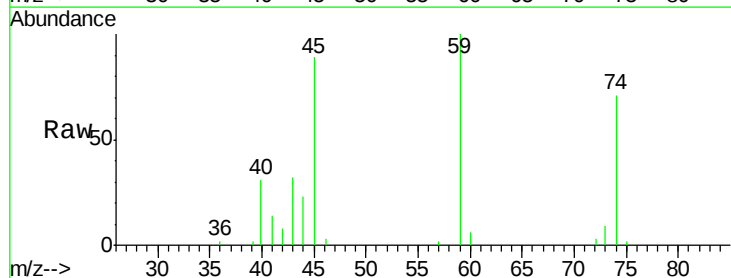
MMdadoda
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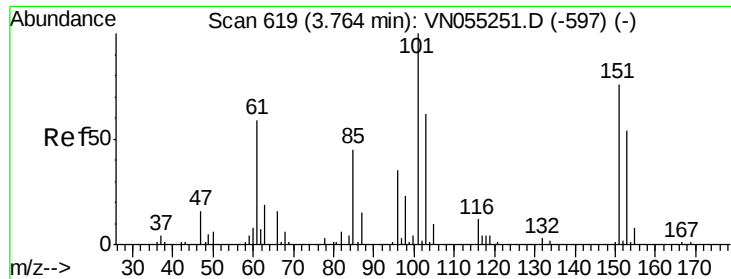


#8

Diethyl Ether
 Concen: 6.584 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN055250.D
 Acq: 25 Apr 2019 17:59

Tgt Ion: 74 Resp: 13693
 Ion Ratio Lower Upper
 74 100
 45 121.4 25.1 225.7





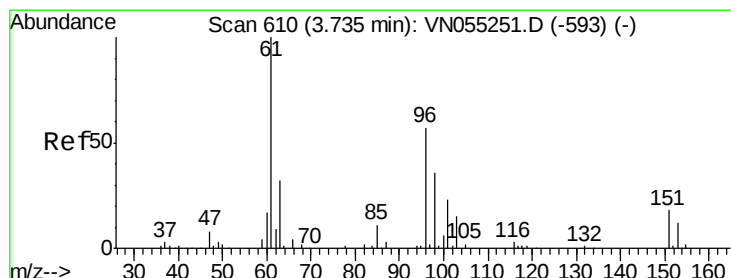
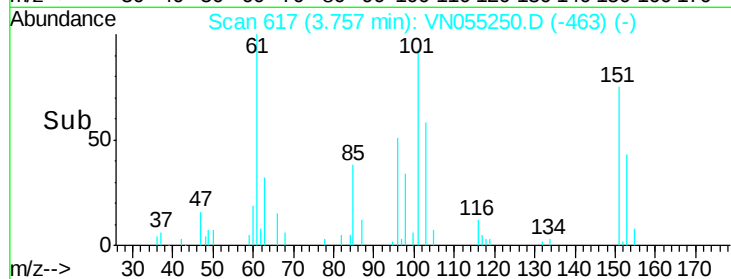
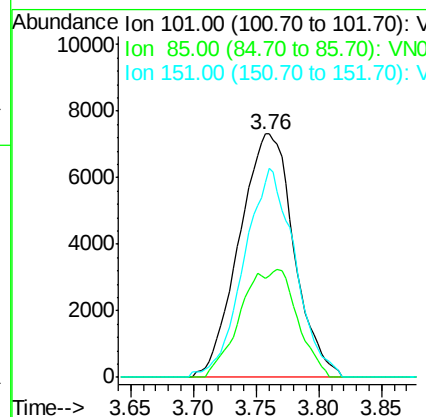
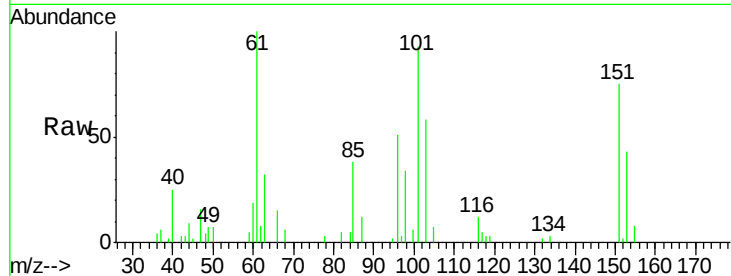
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 6.363 ug/l
 RT: 3.76 min Scan# 617
 Delta R.T. -0.01 min
 Lab File: VN055250.D
 Acq: 25 Apr 2019 17:59

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
85	22.2	0.0	89.0
151	79.7	0.0	154.4

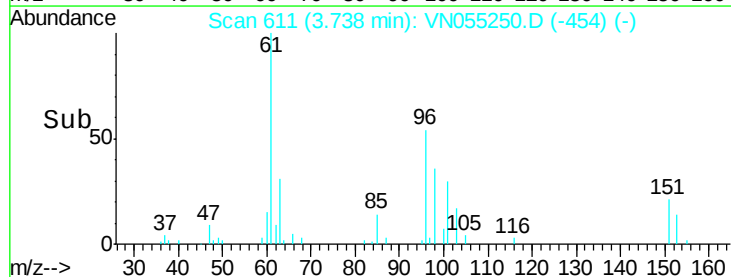
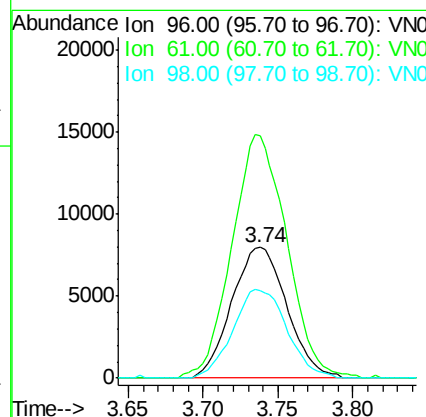
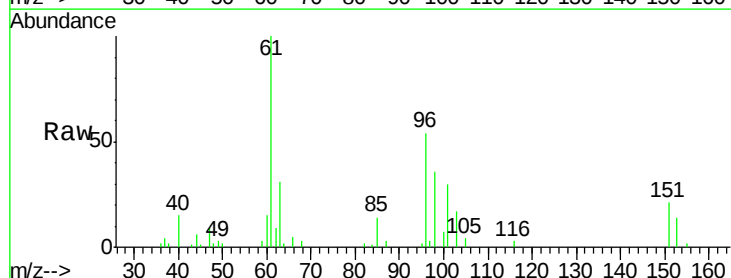
Manual Integrations
 APPROVED

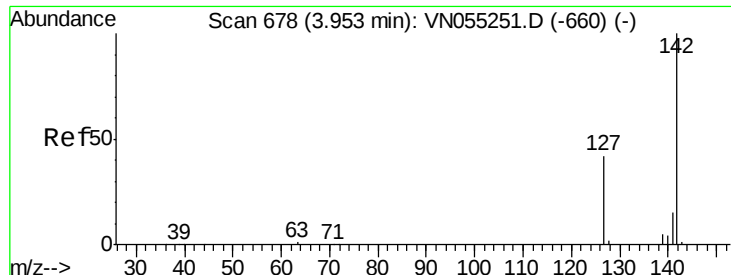
MMDadoda
 4/26/2019 10:52:36 AM



#10
 1,1-Dichloroethene
 Concen: 6.324 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN055250.D
 Acq: 25 Apr 2019 17:59

Tgt Ion	Ratio	Lower	Upper
96	100		
61	181.8	139.9	209.9
98	66.7	50.8	76.2





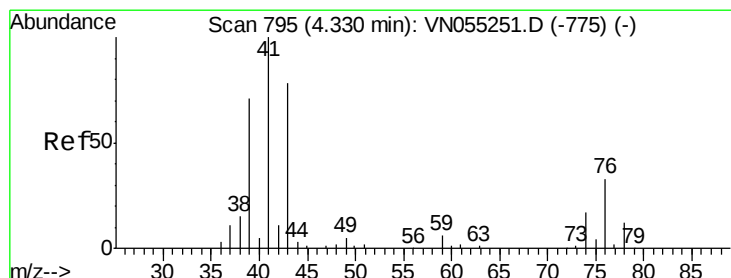
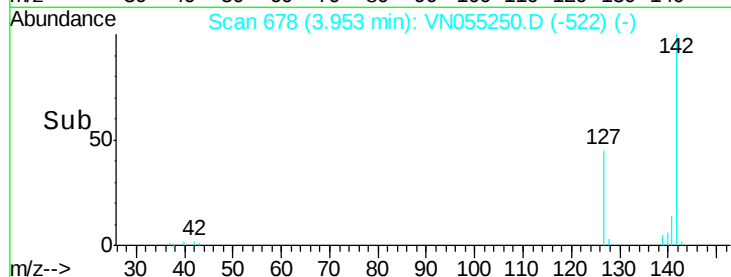
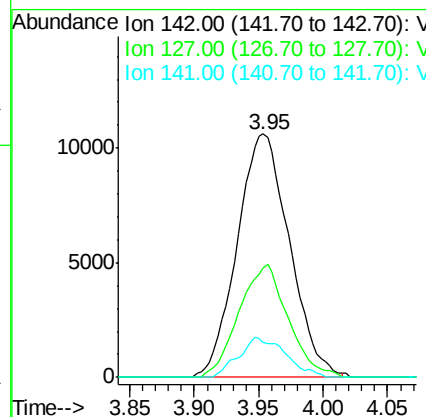
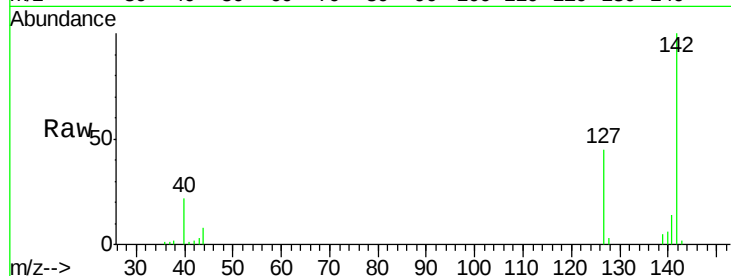
#11
Methvl Iodide
Concen: 6.059 ug/l
RT: 3.95 min Scan# 678
Delta R.T. 0.00 min
Lab File: VN055250.D
Acq: 25 Apr 2019 17:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
142	100		
127	45.2	20.9	62.7
141	14.6	7.6	22.8

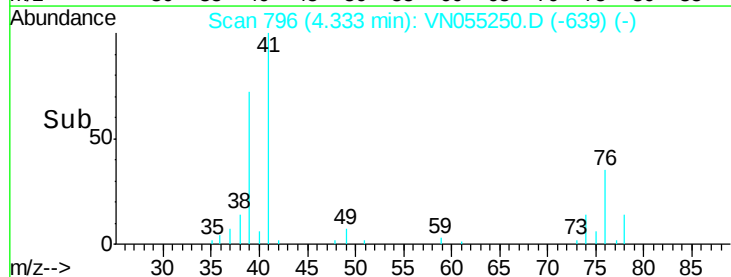
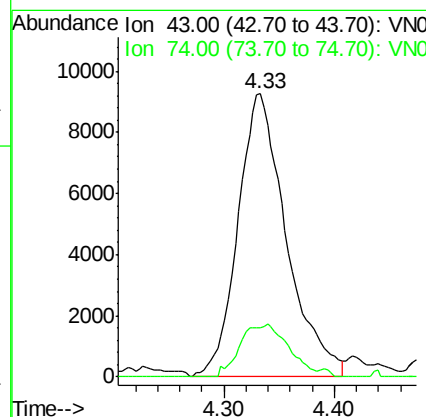
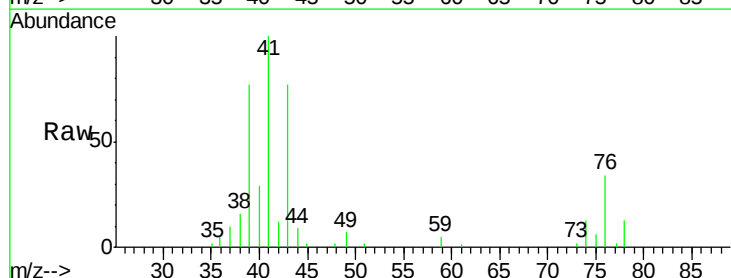
Manual Integrations
APPROVED

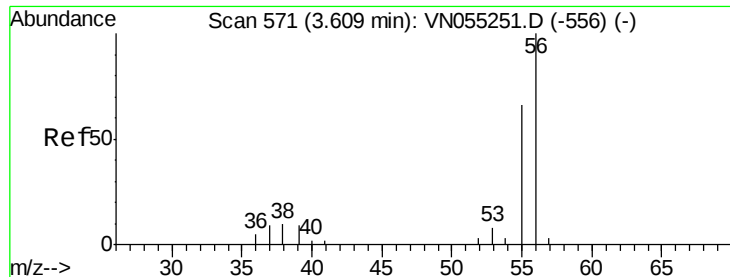
MMDadoda
4/26/2019 10:52:36 AM



#12
Methyl Acetate
Concen: 6.717 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN055250.D
Acq: 25 Apr 2019 17:59

Tgt Ion	Ratio	Lower	Upper
43	100		
74	17.7	17.7	26.5





#13

Acrolein

Concen: 24.875 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 7857

Ion Ratio Lower Upper

56 100

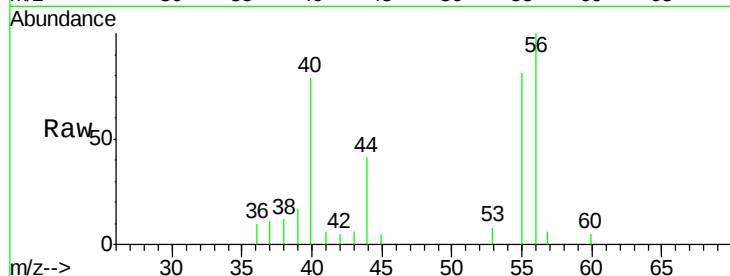
55 79.8 54.9 82.3

Manual Integrations

APPROVED

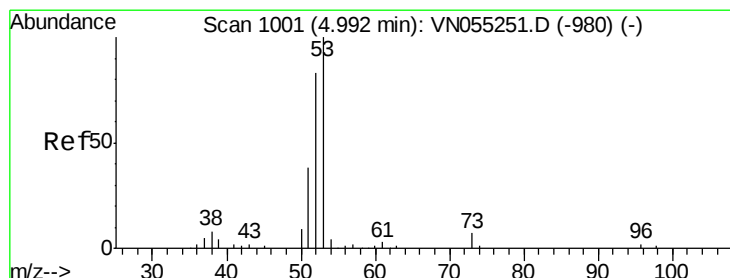
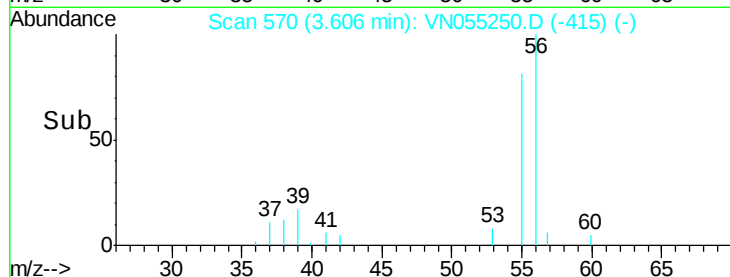
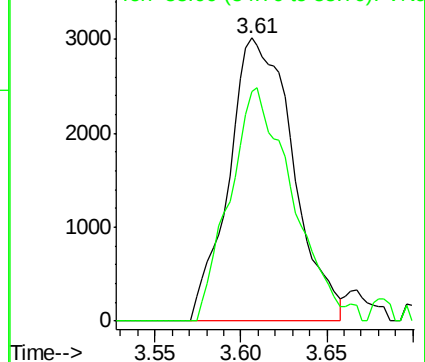
MMdadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 28.460 ug/l

RT: 5.00 min Scan# 1003

Delta R.T. 0.01 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

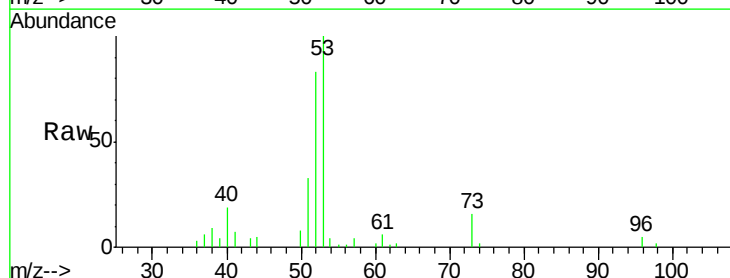
Tgt Ion: 53 Resp: 47463

Ion Ratio Lower Upper

53 100

52 85.1 41.0 123.2

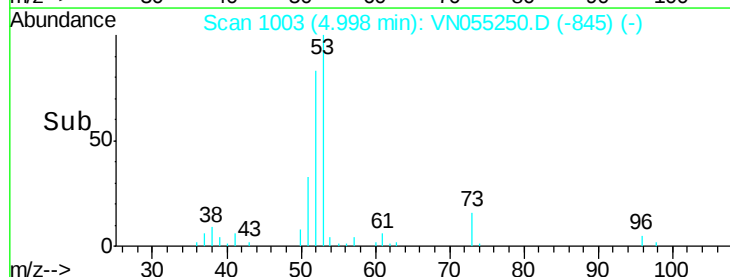
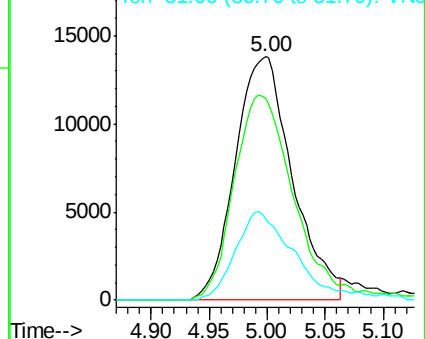
51 36.1 18.1 54.4

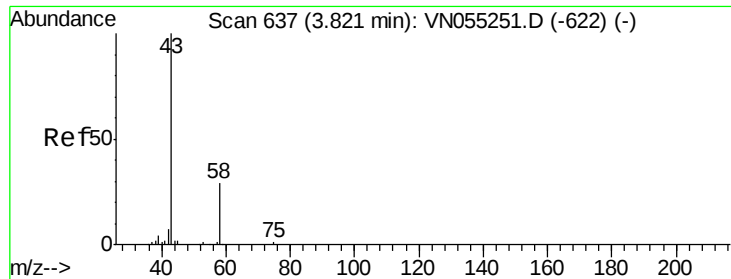


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 30.999 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 58 Resp: 12332

Ion Ratio Lower Upper

58 100

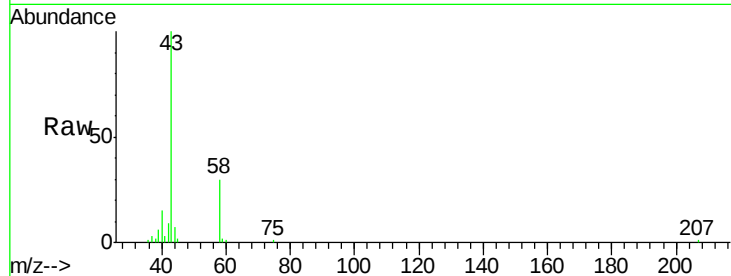
43 320.0 278.2 417.2

Manual Integrations

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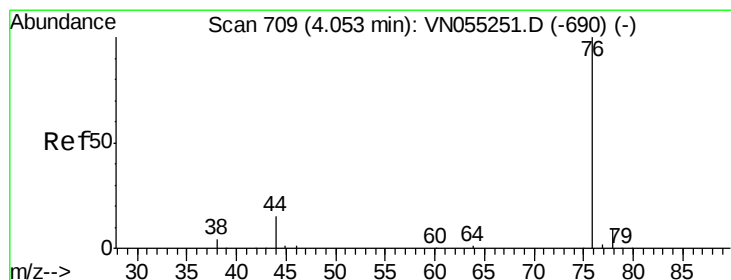
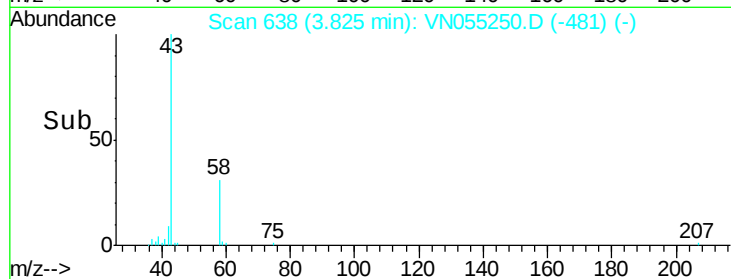
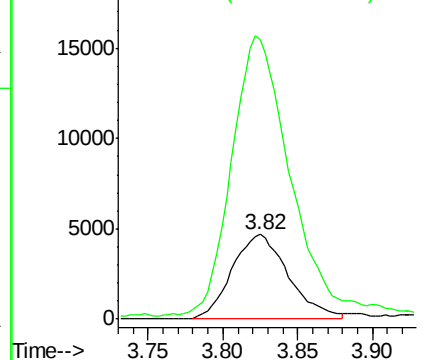
MMdadoda

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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 5.294 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN055250.D

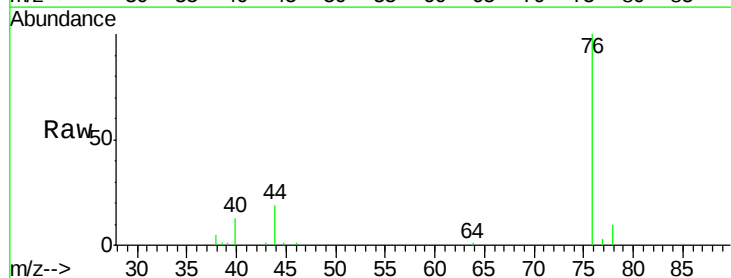
Acq: 25 Apr 2019 17:59

Tgt Ion: 76 Resp: 55198

Ion Ratio Lower Upper

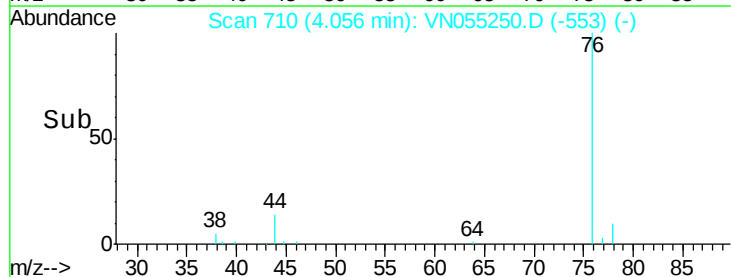
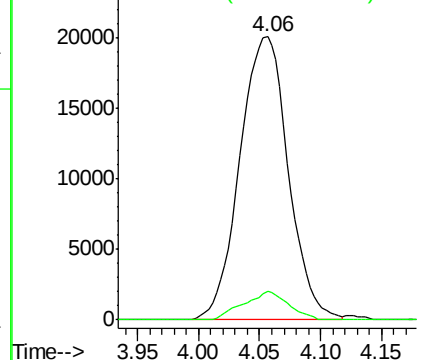
76 100

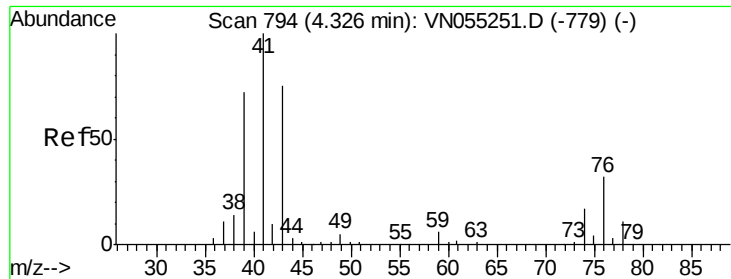
78 9.9 6.8 10.2



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#17

Allvl chloride

Concen: 5.382 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

Instrument :

MSVOA_N

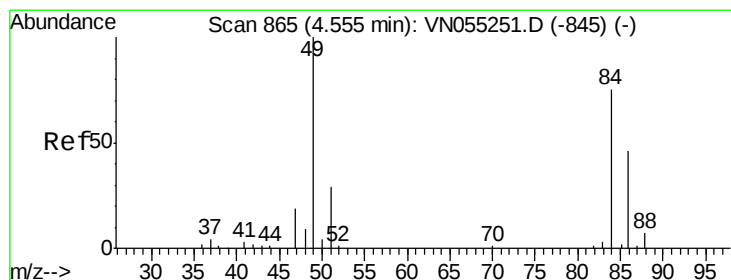
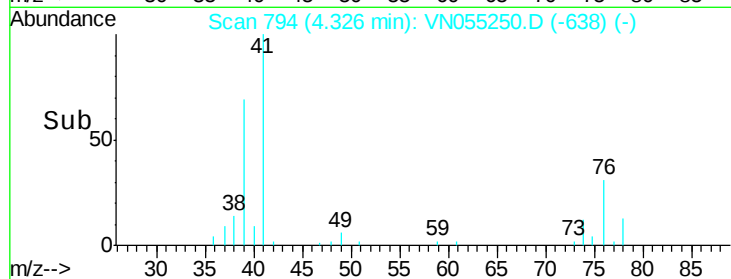
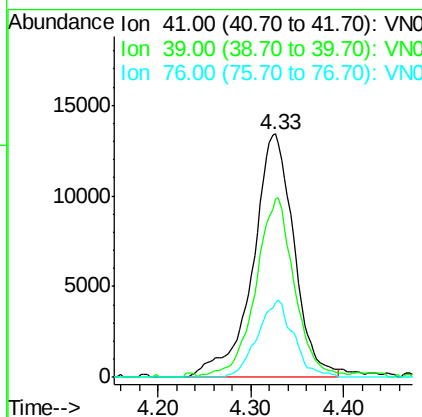
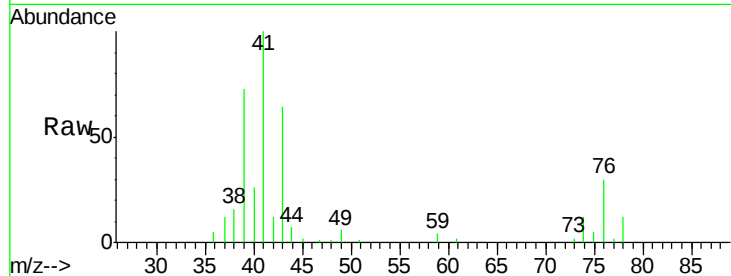
ClientSampleId :

VSTDIC005

Tot Ion:	41	Resp:	41442
Ion	Ratio	Lower	Upper
41	100		
39	71.0	34.4	103.2
76	30.4	15.3	45.9

Manual Integrations
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#18

Methylene Chloride

Concen: 5.724 ug/l

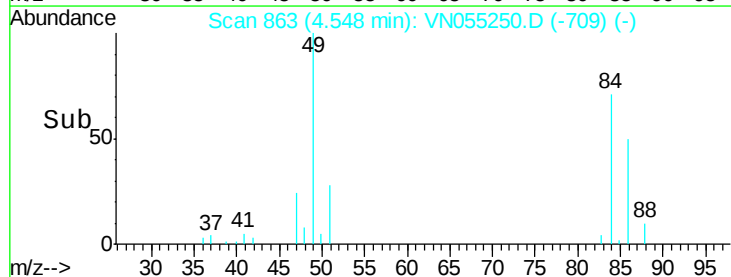
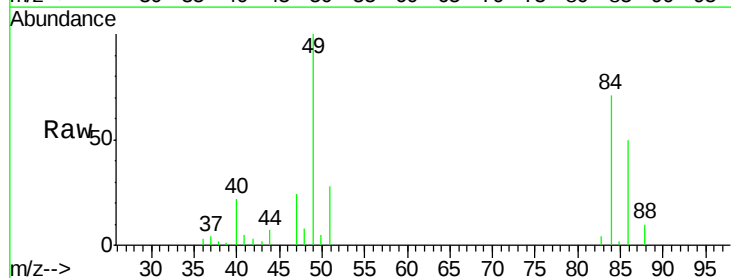
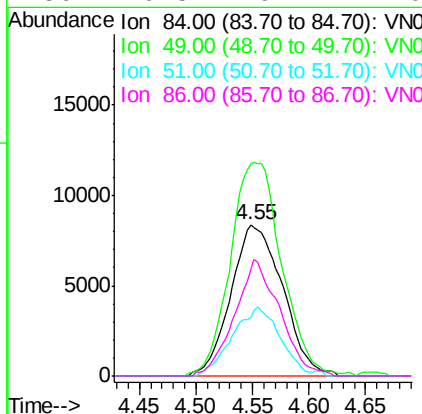
RT: 4.55 min Scan# 863

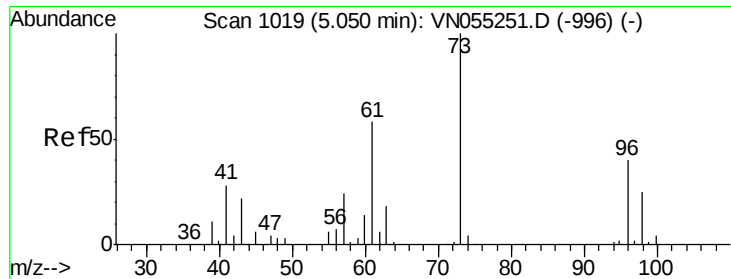
Delta R.T. -0.01 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

Tgt Ion:	84	Resp:	26584
Ion	Ratio	Lower	Upper
84	100		
49	138.1	107.2	160.8
51	39.2	31.4	47.2
86	70.5	49.4	74.0





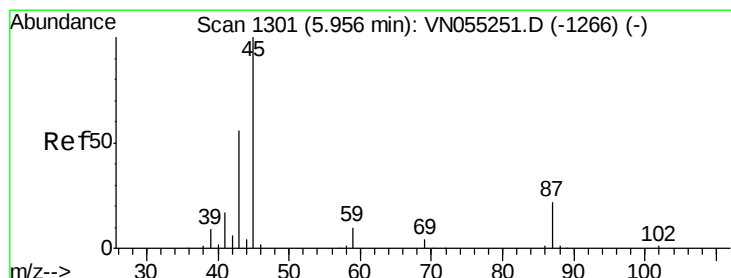
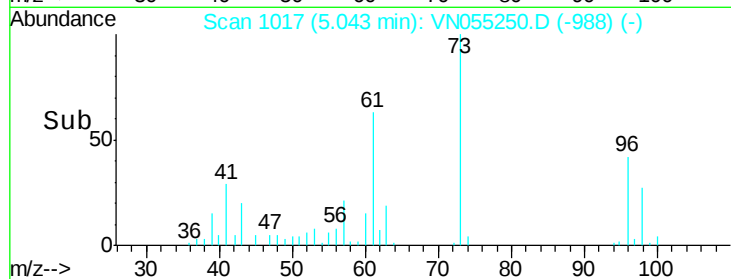
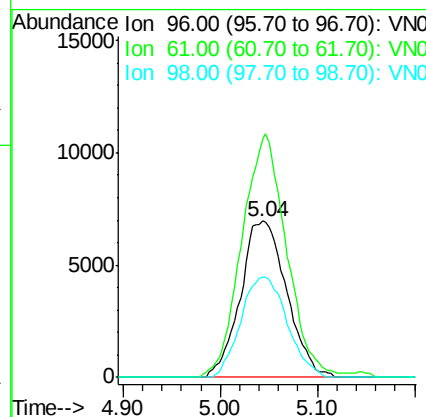
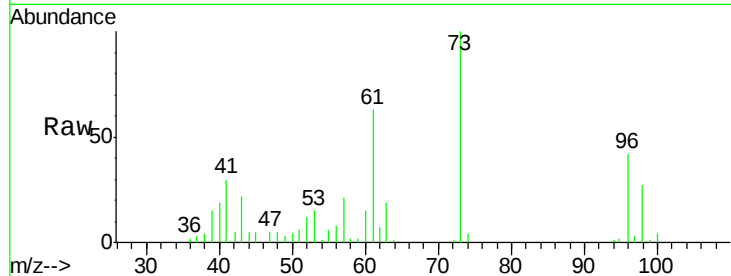
#19
trans-1,2-Dichloroethene
Concen: 5.629 ug/l m
RT: 5.04 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VN055250.D
Acq: 25 Apr 2019 17:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.2	116.3	174.5
98	64.3	49.4	74.2

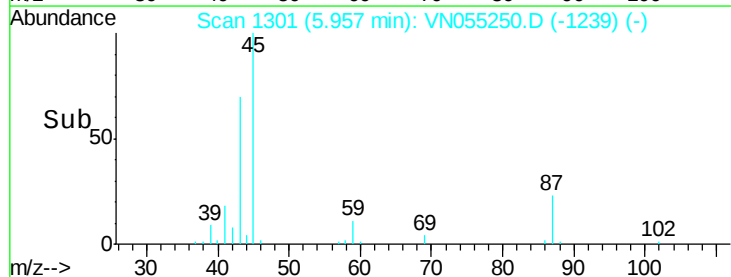
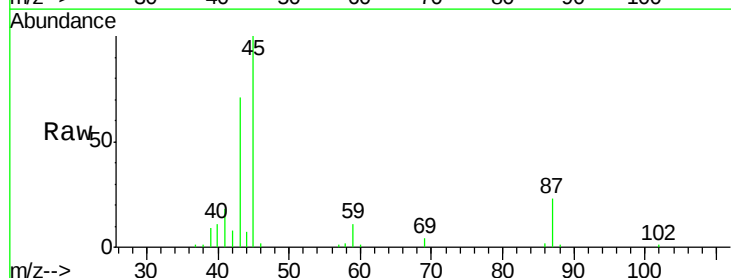
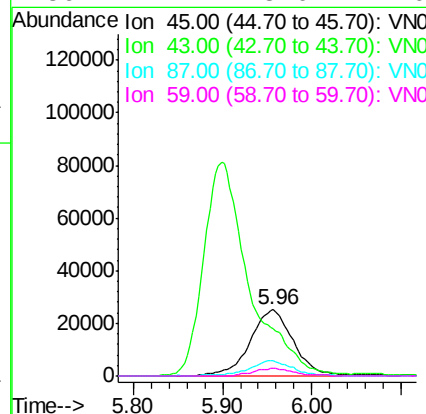
Manual Integrations
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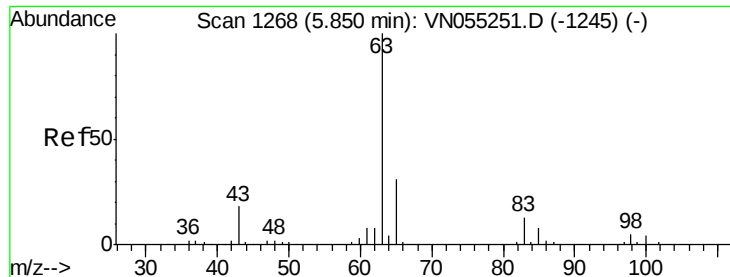
MMDadoda
4/26/2019 10:52:36 AM



#20
Diisopropyl ether
Concen: 5.268 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN055250.D
Acq: 25 Apr 2019 17:59

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.7	46.1	69.1
87	23.4	18.3	27.5
59	11.4	8.0	12.0





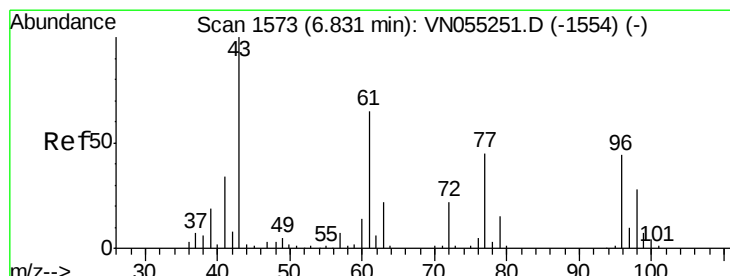
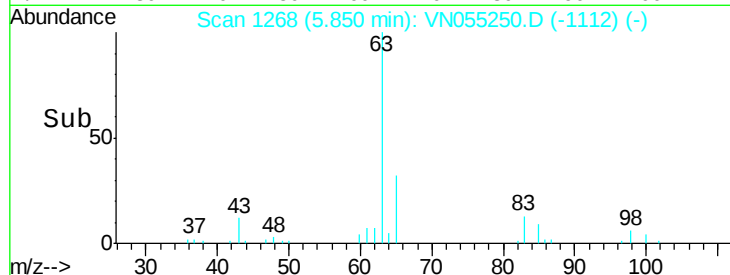
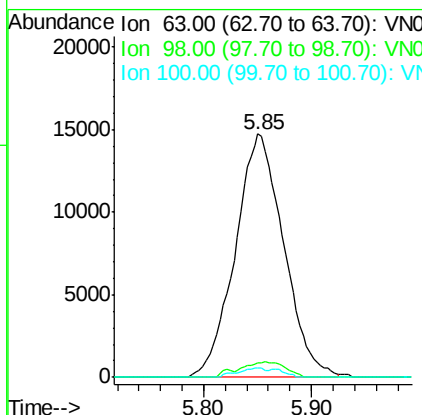
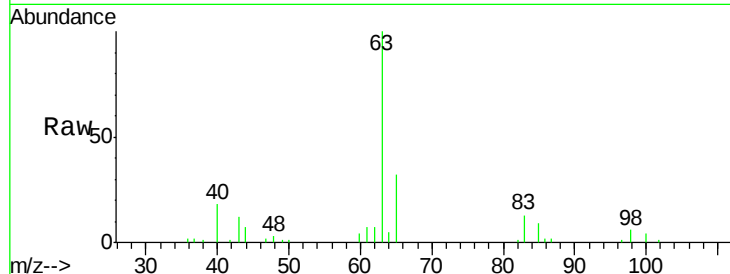
#21
 1,1-Dichloroethane
 Concen: 5.480 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN055250.D
 Acq: 25 Apr 2019 17:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:	63	Resp:	45953
Ion	Ratio	Lower	Upper
63	100		
98	5.7	2.8	8.3
100	3.9	2.0	5.8

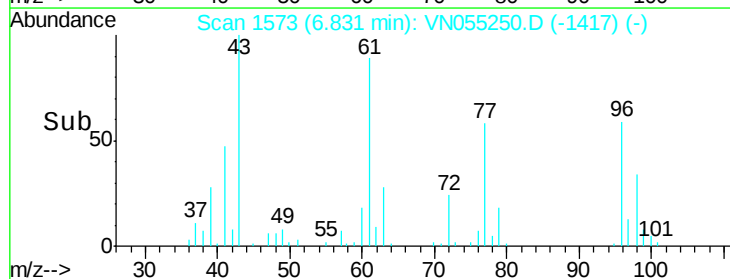
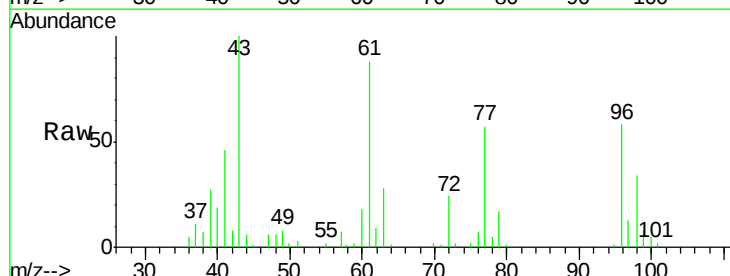
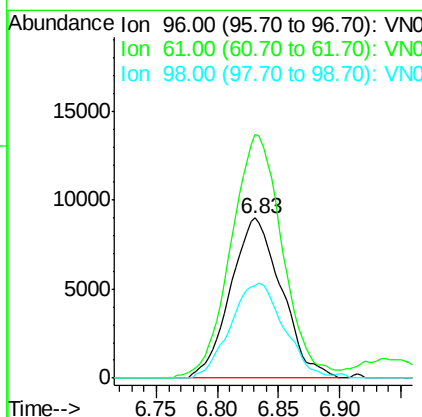
Manual Integrations
 APPROVED

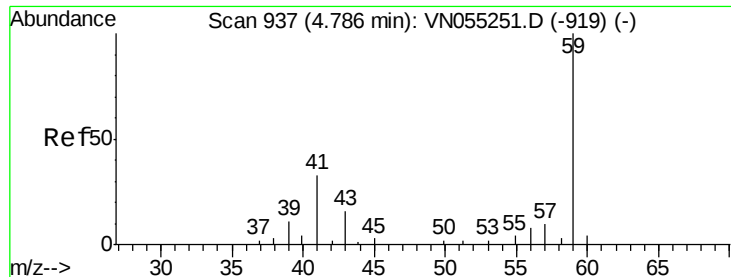
MMdadoda
 4/26/2019 10:52:36 AM



#22
 cis-1,2-Dichloroethene
 Concen: 5.546 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN055250.D
 Acq: 25 Apr 2019 17:59

Tgt Ion:	96	Resp:	26112
Ion	Ratio	Lower	Upper
96	100		
61	153.4	129.1	193.7
98	62.0	53.2	79.8





#23

tert-Butyl Alcohol

Concen: 38.766 ug/l

RT: 4.79 min Scan# 939

Delta R.T. 0.01 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 59 Resp: 10828

Ion Ratio Lower Upper

59 100

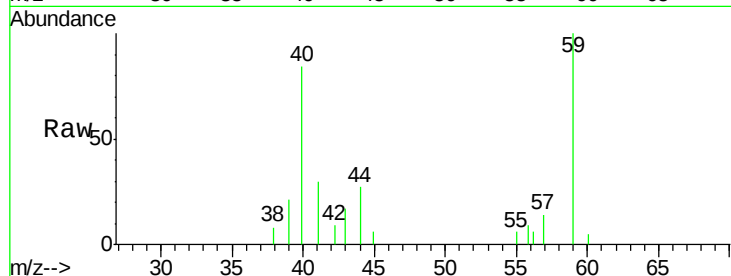
52 0.0 0.0 0.0

Manual Integrations

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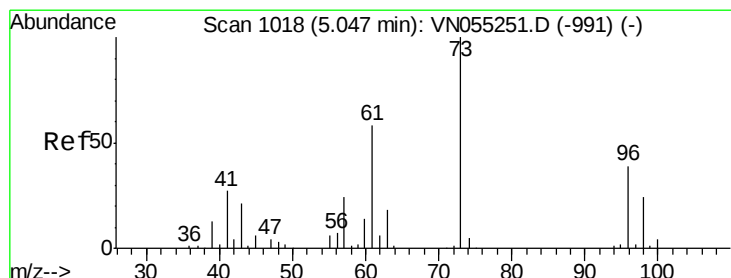
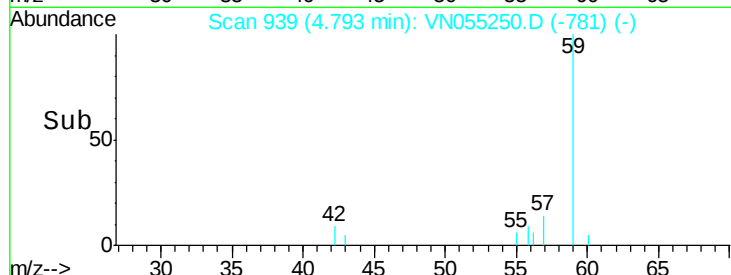
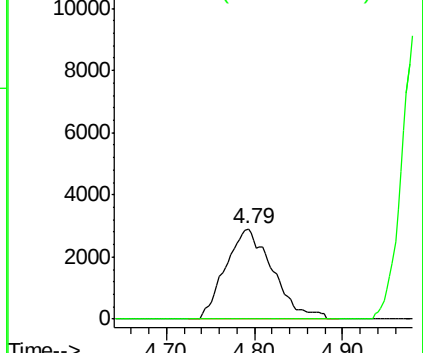
MMdadoda

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Abundance Ion 59.00 (58.70 to 59.70): VN055251.D (-919) (-)

Ion 52.00 (51.70 to 52.70): VN055251.D (-919) (-)



#24

Methyl tert-Butyl Ether

Concen: 5.868 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN055250.D

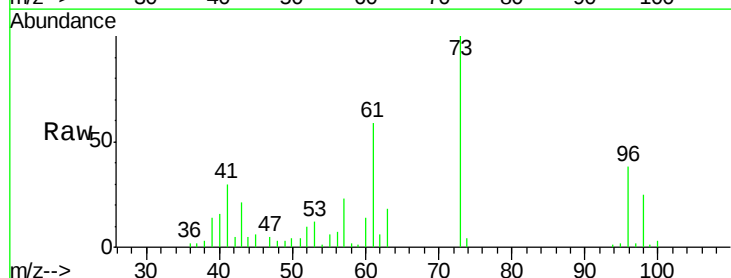
Acq: 25 Apr 2019 17:59

Tgt Ion: 73 Resp: 63698

Ion Ratio Lower Upper

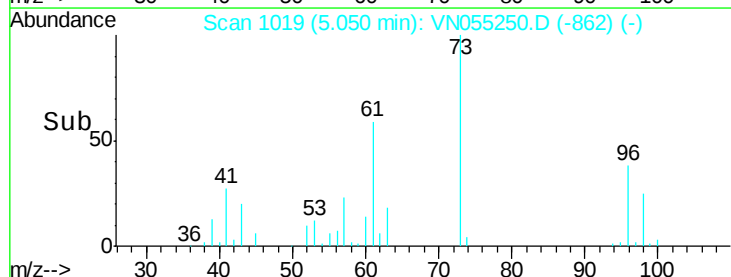
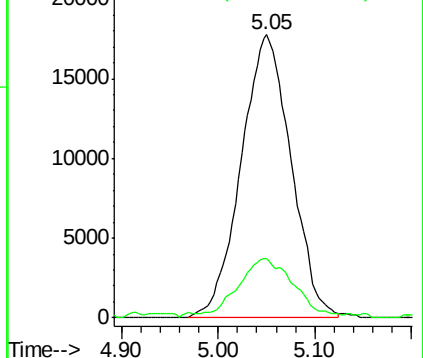
73 100

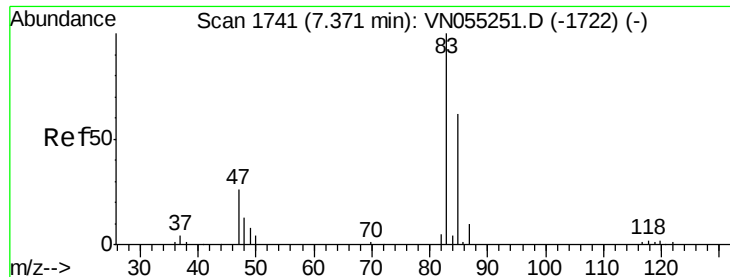
43 12.8 17.9 26.9#



Abundance Ion 73.00 (72.70 to 73.70): VN055251.D (-991) (-)

Ion 43.00 (42.70 to 43.70): VN055251.D (-991) (-)





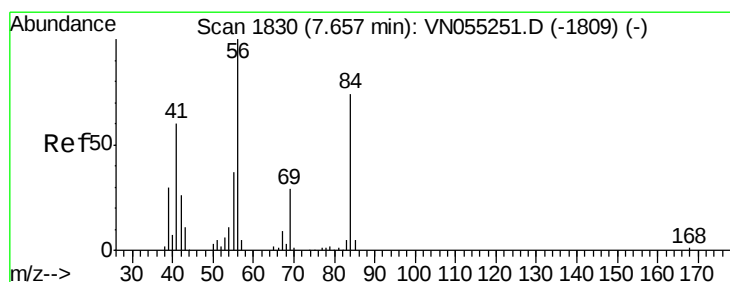
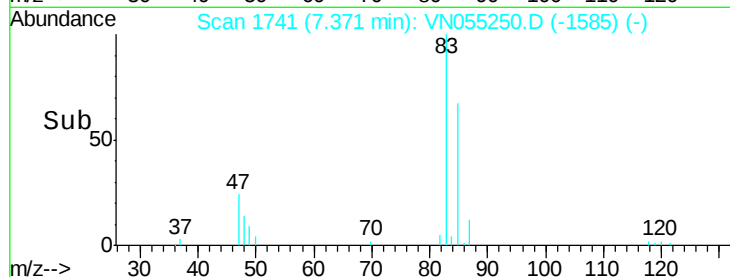
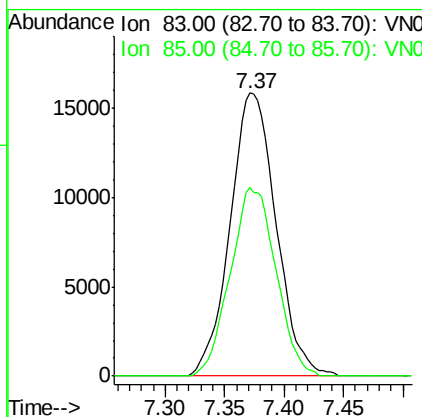
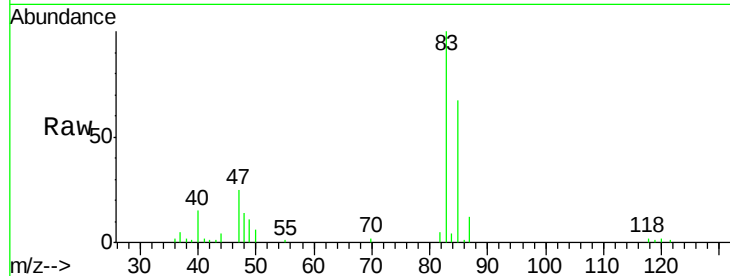
#25
Chloroform
Concen: 5.308 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055250.D
Acq: 25 Apr 2019 17:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	42420
Ion Ratio	Lower	Upper	
83	100		
85	66.7	49.7	74.5

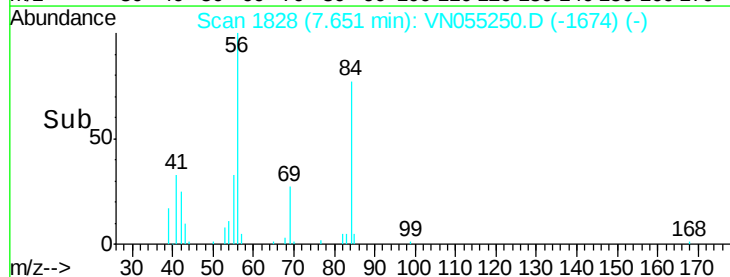
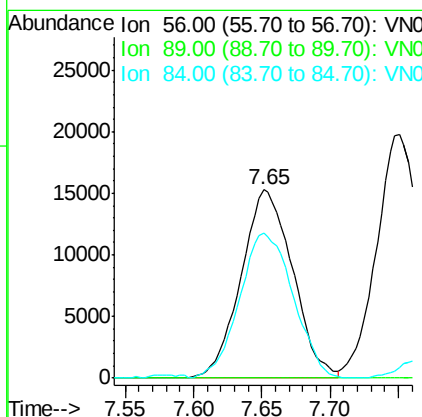
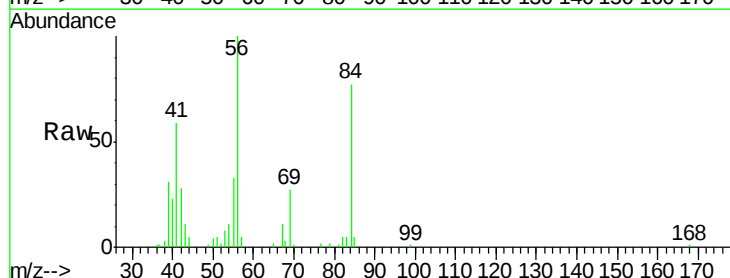
Manual Integrations
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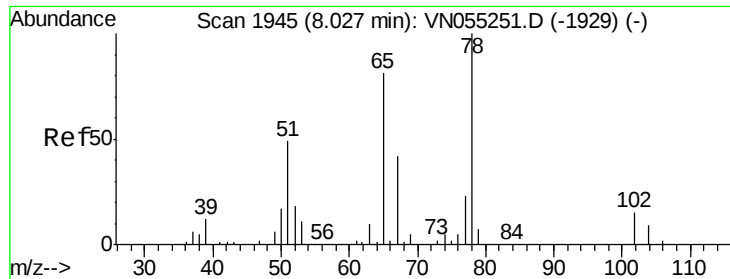
MMDadoda
4/26/2019 10:52:36 AM



#26
Cyclohexane
Concen: 5.248 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.01 min
Lab File: VN055250.D
Acq: 25 Apr 2019 17:59

Tgt Ion	56	Resp	40076
Ion Ratio	Lower	Upper	
56	100		
89	0.0	0.0	0.0
84	80.3	63.5	95.3





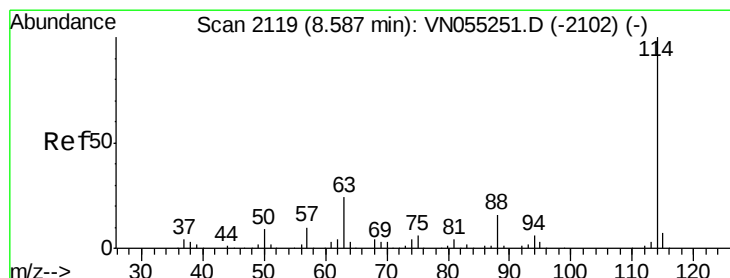
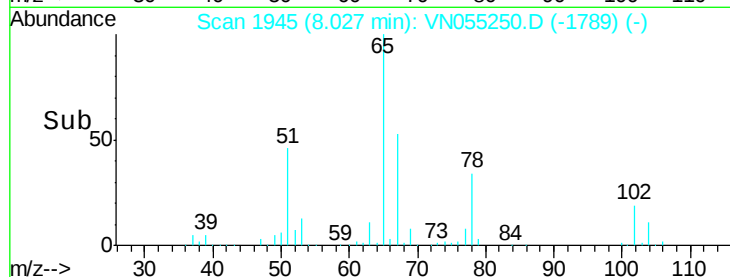
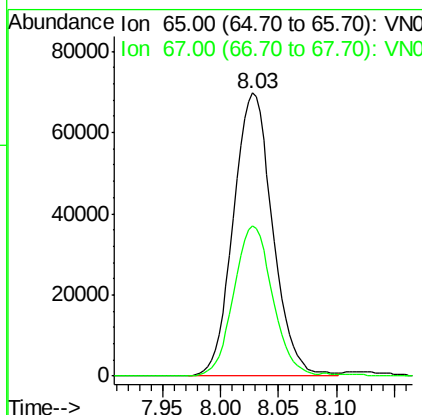
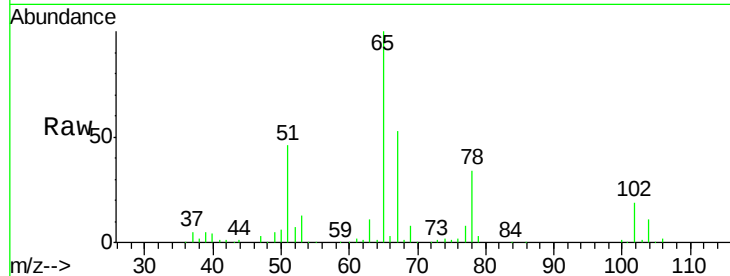
#27
 1,2-Dichloroethane-d4
 Concen: 30.779 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055250.D
 Acq: 25 Apr 2019 17:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.4	41.9	62.9

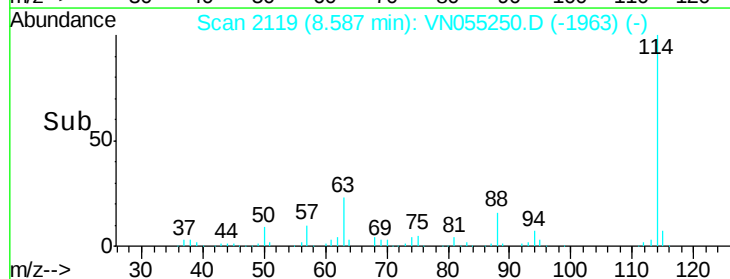
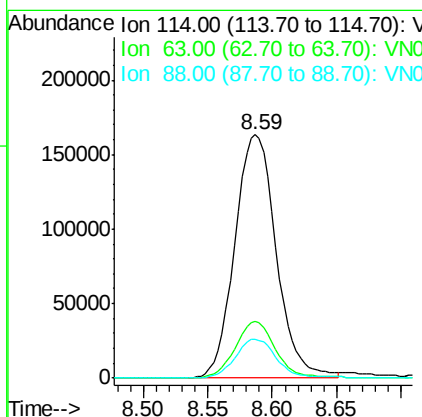
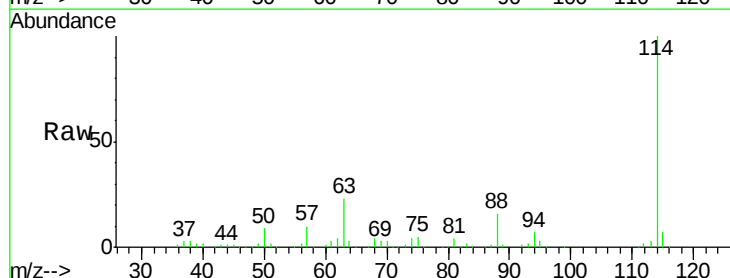
Manual Integrations
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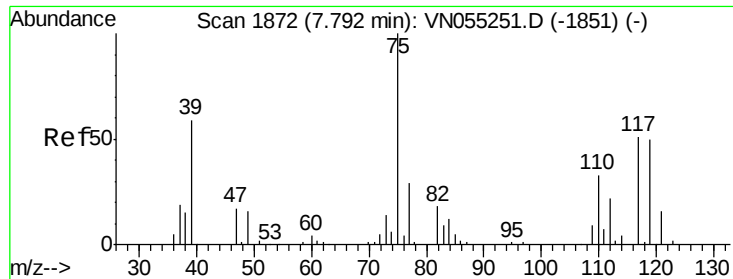
MMDadoda
 4/26/2019 10:52:36 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055250.D
 Acq: 25 Apr 2019 17:59

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.5	18.2	27.2
88	15.7	12.6	18.8





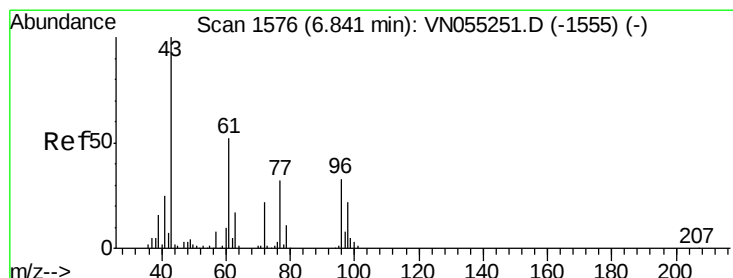
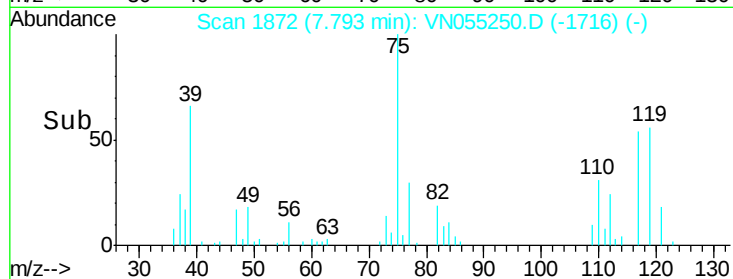
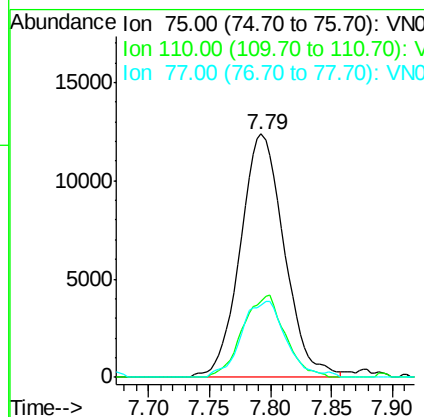
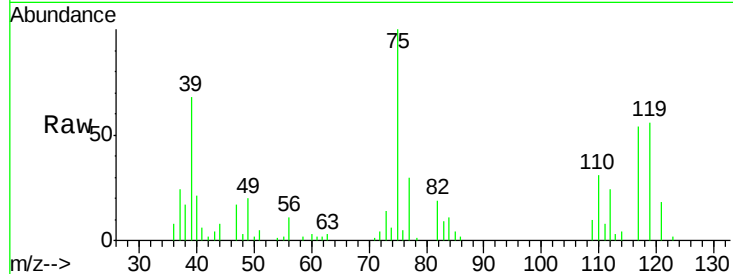
#29
 1,1-Dichloropropene
 Concen: 5.387 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055250.D
 Acq: 25 Apr 2019 17:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	32.5	0.0	68.6
77	31.2	0.0	61.6

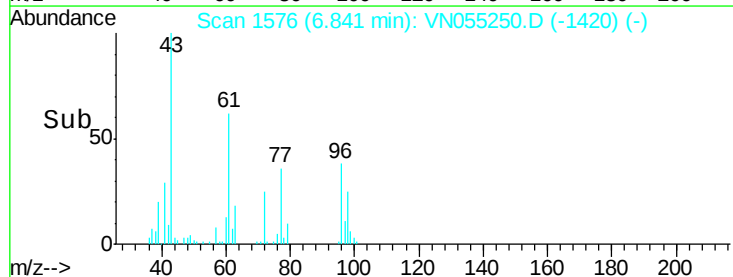
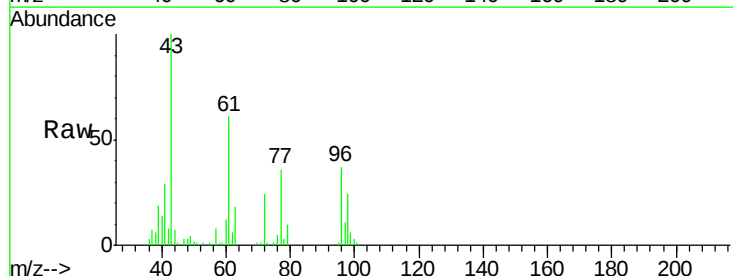
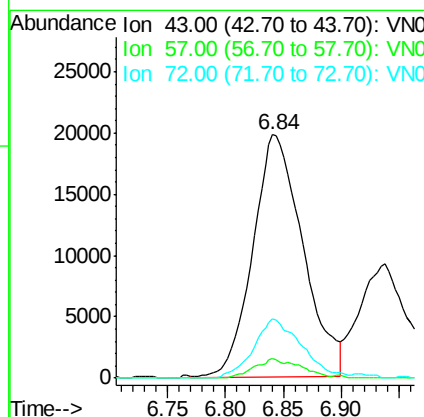
Manual Integrations
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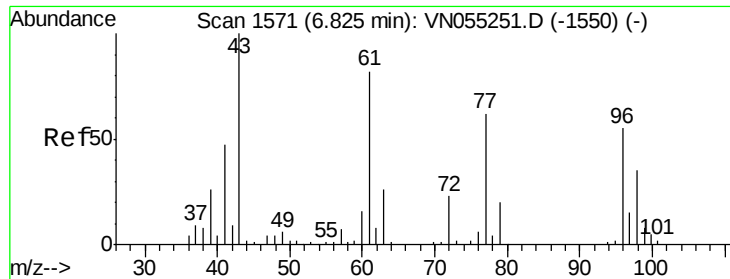
MMDadoda
 4/26/2019 10:52:36 AM



#30
 2-Butanone
 Concen: 29.698 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VN055250.D
 Acq: 25 Apr 2019 17:59

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	1.0	6.0	9.0#
72	22.9	17.9	26.9





#31

2,2-Dichloropropane

Concen: 5.495 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 77 Resp: 29414

Ion Ratio Lower Upper

77 100

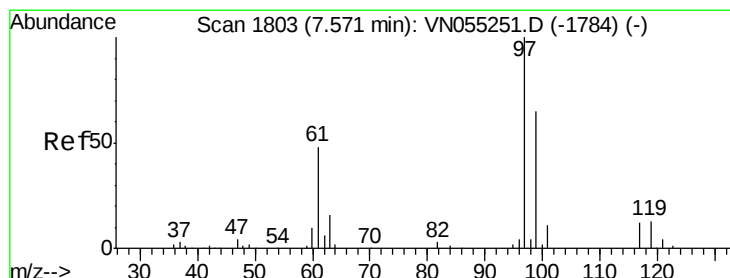
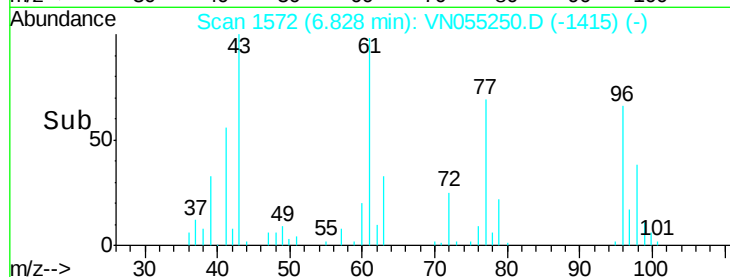
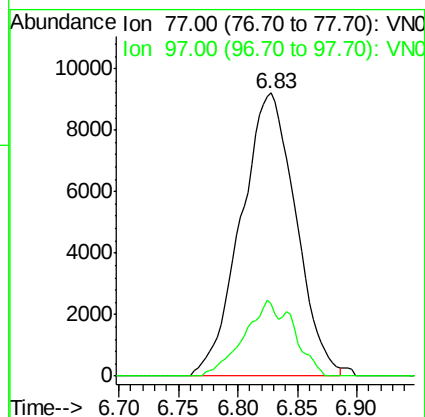
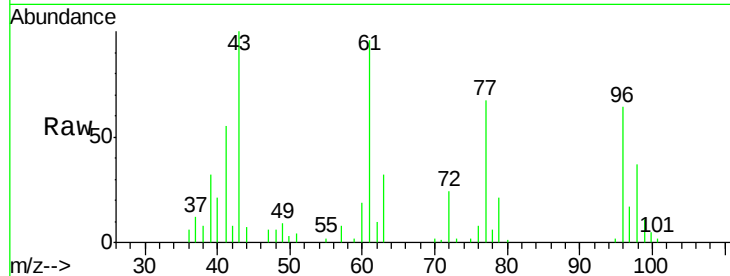
97 16.3 18.6 28.0#

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 5.676 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

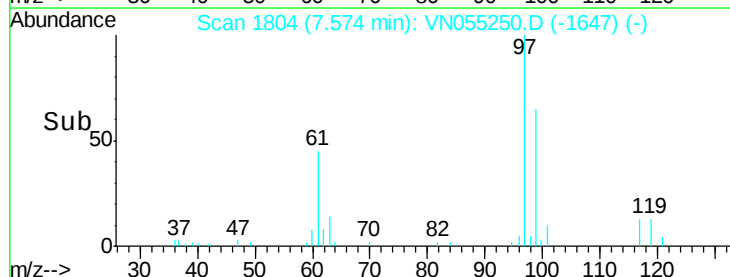
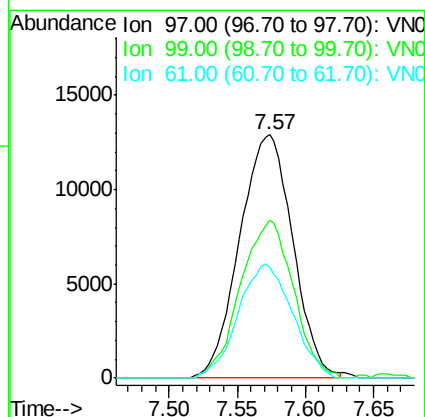
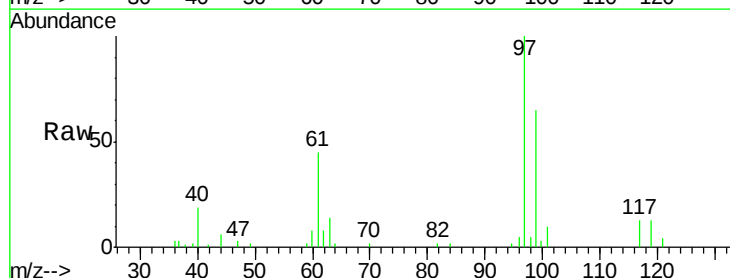
Tgt Ion: 97 Resp: 34969

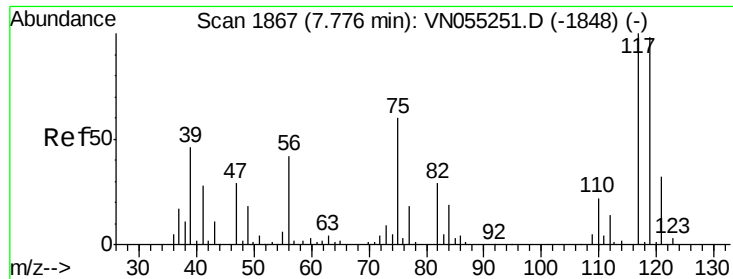
Ion Ratio Lower Upper

97 100

99 64.2 51.2 76.8

61 47.8 38.3 57.5





#33

Carbon Tetrachloride

Concen: 5.517 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

Instrument :

MSVOA_N

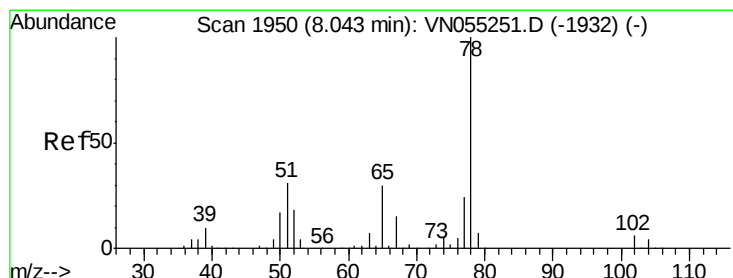
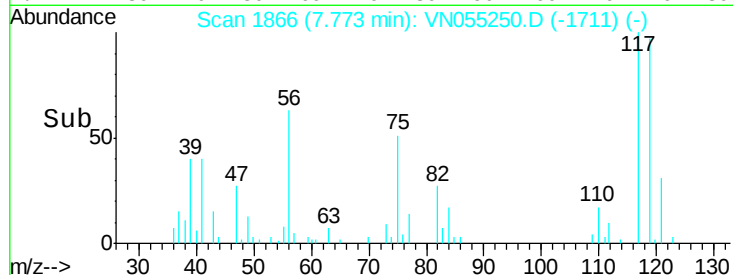
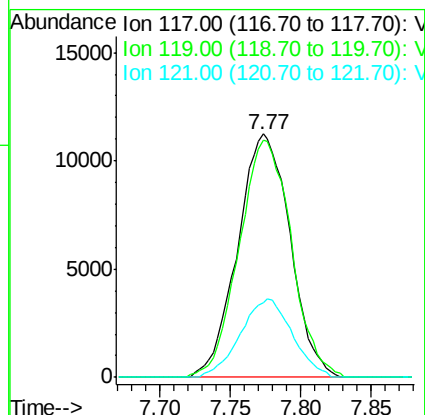
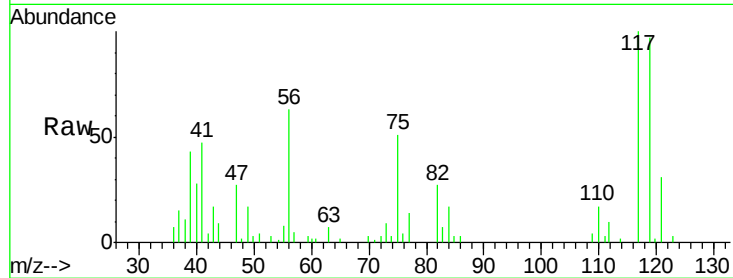
ClientSampleId :

VSTDIC005

Tot Ion:117 Resp: 29133
 Ion Ratio Lower Upper
 117 100
 119 95.8 78.7 118.1
 121 30.8 25.8 38.6

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#34

Benzene

Concen: 5.531 ug/l

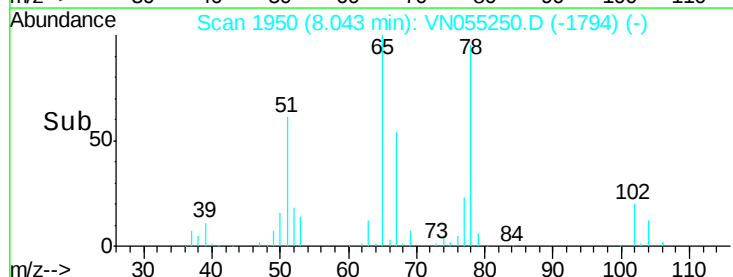
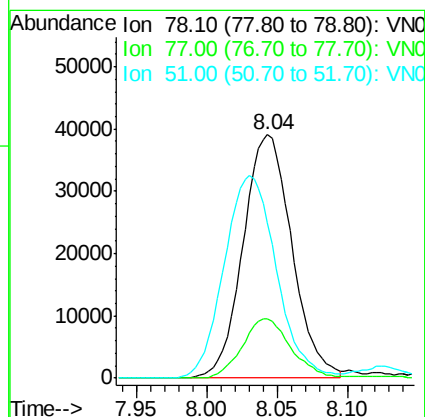
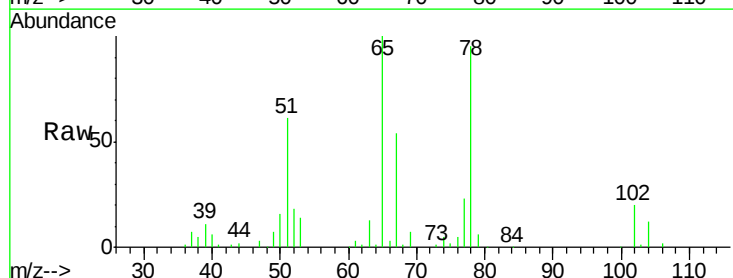
RT: 8.04 min Scan# 1950

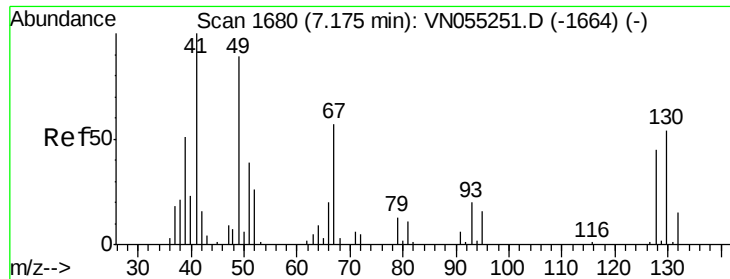
Delta R.T. 0.00 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

Tgt Ion: 78 Resp: 94645
 Ion Ratio Lower Upper
 78 100
 77 24.1 19.1 28.7
 51 62.0 24.5 36.7#





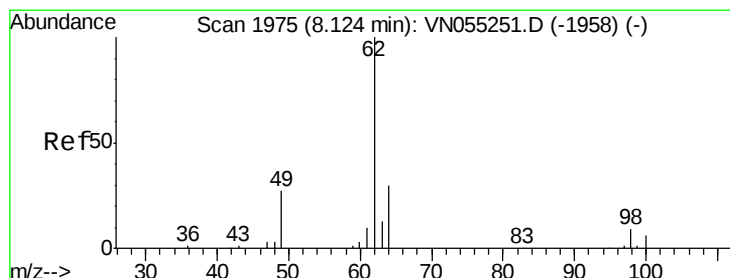
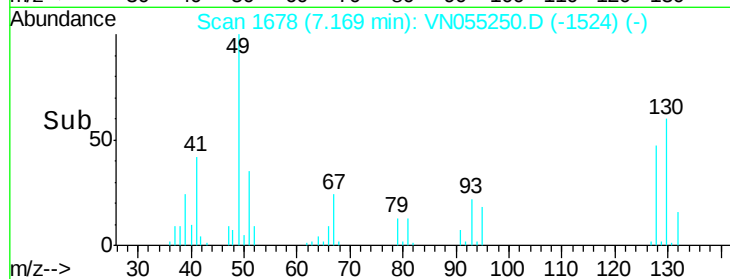
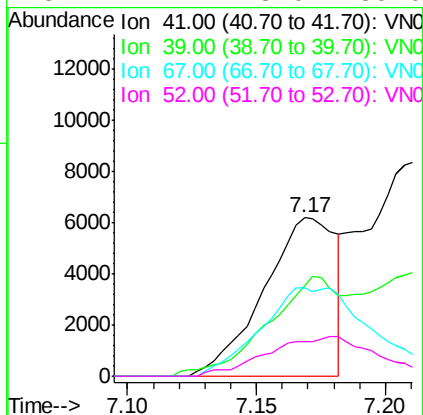
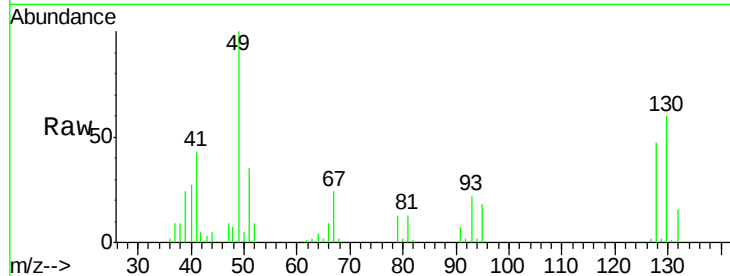
#35
Methacrylonitrile
Concen: 4.975 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.01 min
Lab File: VN055250.D
Acq: 25 Apr 2019 17:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:	41	Resp:	11986
Ion	Ratio	Lower	Upper
41	100		
39	53.3	25.3	75.8
67	55.6	28.7	86.1
52	22.1	13.0	39.0

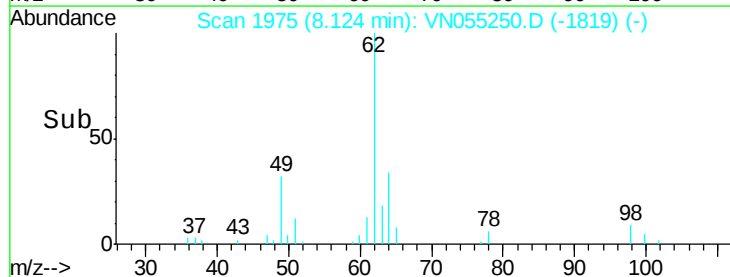
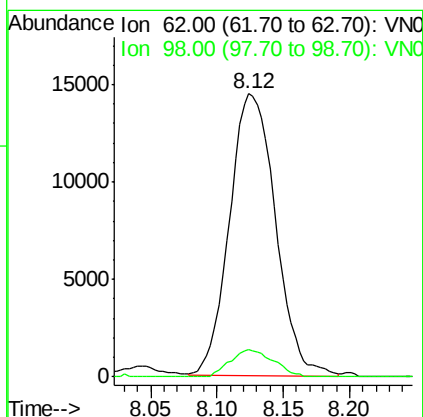
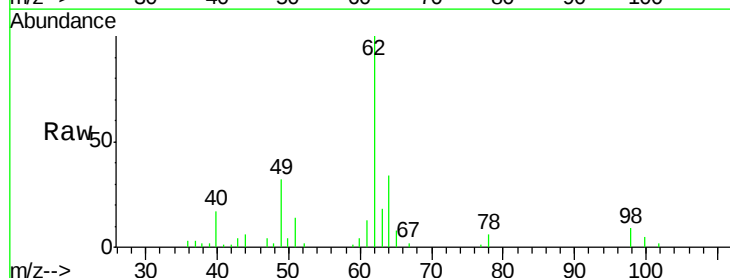
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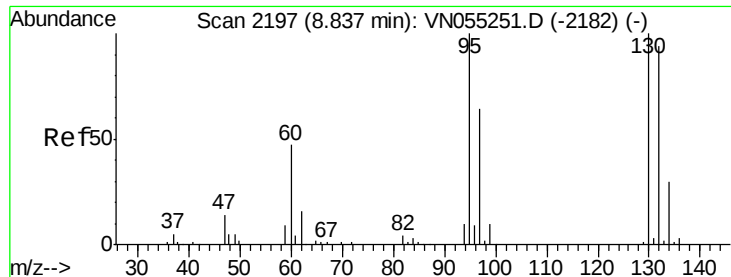
MMDadoda
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#36
1,2-Dichloroethane
Concen: 5.906 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055250.D
Acq: 25 Apr 2019 17:59

Tgt Ion:	62	Resp:	34862
Ion	Ratio	Lower	Upper
62	100		
98	9.1	6.8	10.2





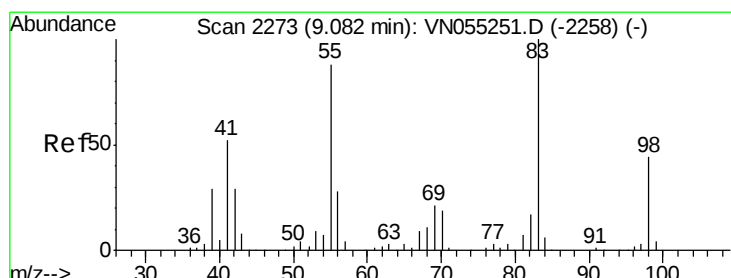
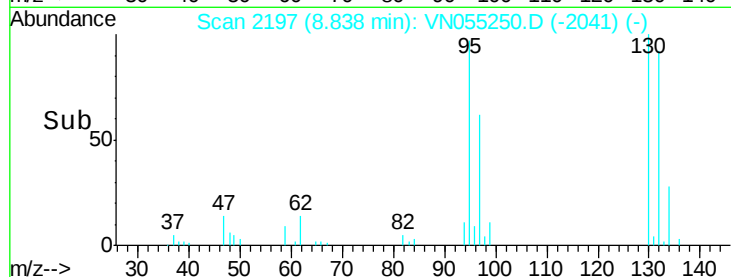
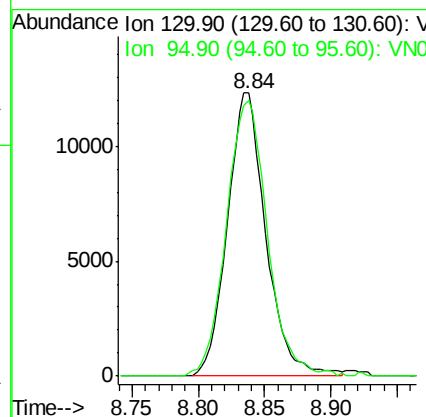
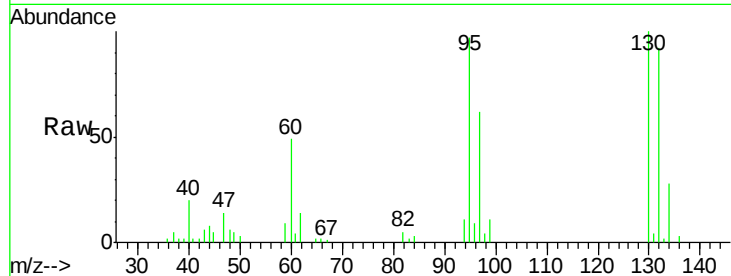
#37
 Trichloroethene
 Concen: 5.719 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN055250.D
 Acq: 25 Apr 2019 17:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:130 Resp: 24799
 Ion Ratio Lower Upper
 130 100
 95 96.2 79.9 119.9

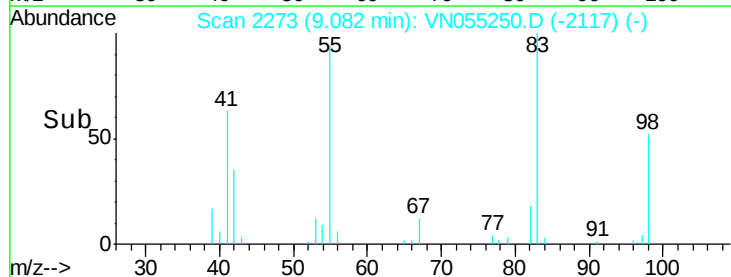
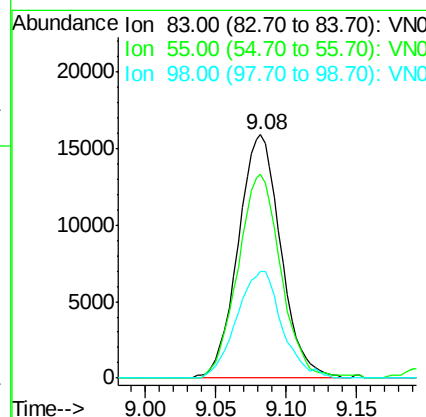
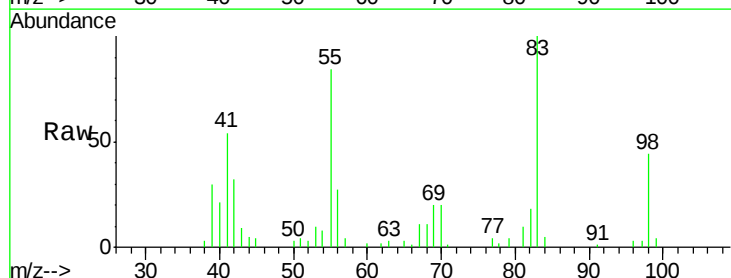
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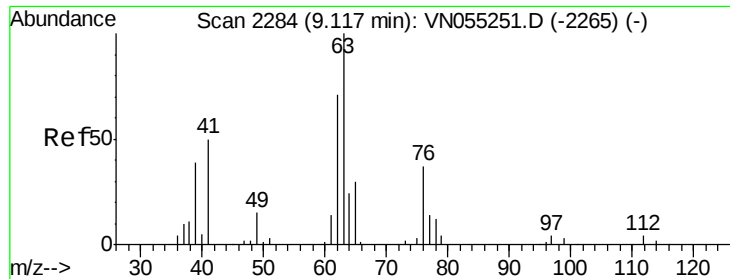
MMdadoda
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#38
 Methylcyclohexane
 Concen: 5.144 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN055250.D
 Acq: 25 Apr 2019 17:59

Tgt Ion: 83 Resp: 33635
 Ion Ratio Lower Upper
 83 100
 55 84.3 43.8 131.4
 98 45.6 22.4 67.2





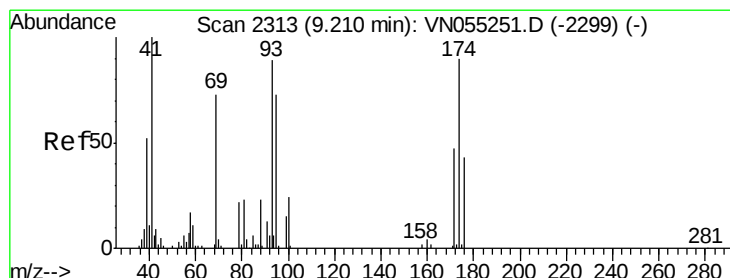
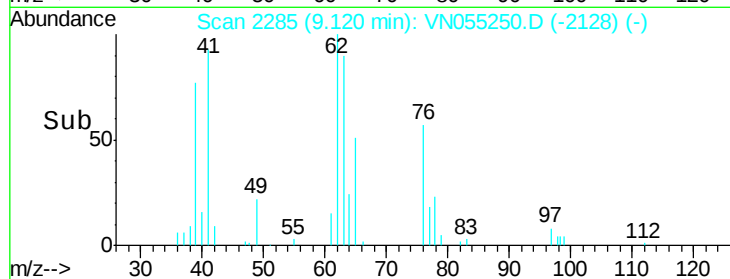
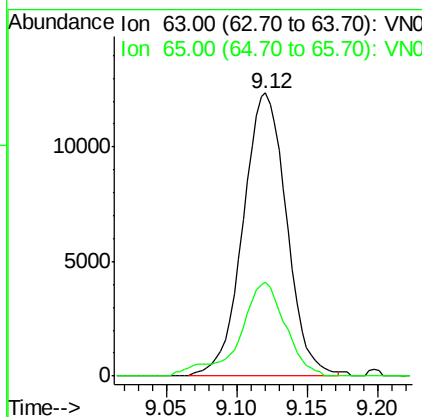
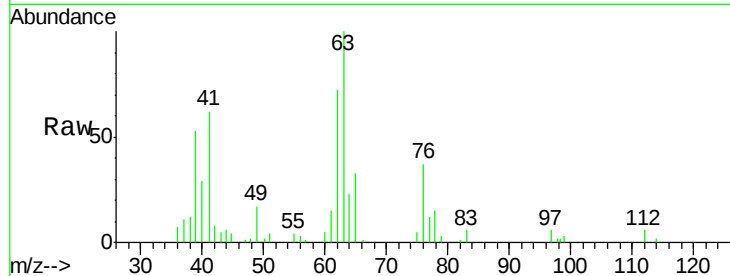
#39
 1,2-Dichloropropane
 Concen: 5.607 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055250.D
 Acq: 25 Apr 2019 17:59

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion: 63 Resp: 26770
 Ion Ratio Lower Upper
 63 100
 65 33.1 24.6 36.8

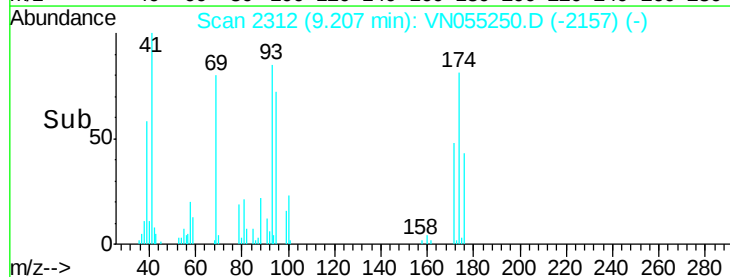
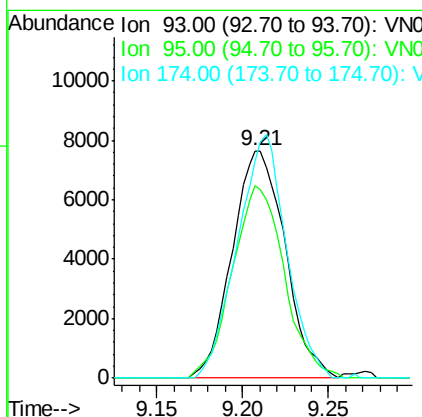
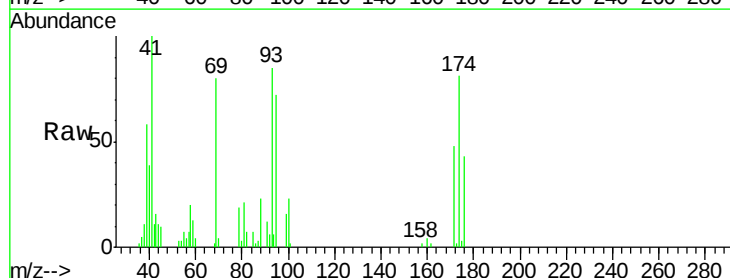
Manual Integrations
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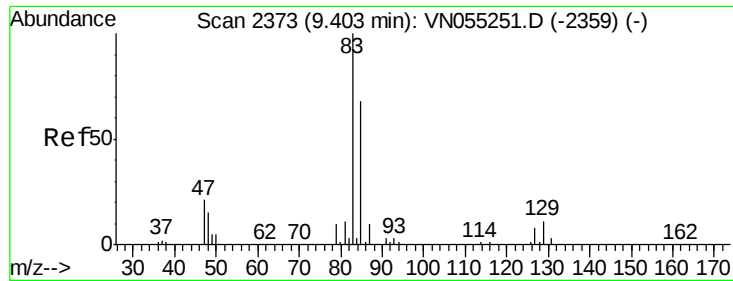
MMdadoda
 4/26/2019 10:52:36 AM



#40
 Dibromomethane
 Concen: 6.007 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN055250.D
 Acq: 25 Apr 2019 17:59

Tgt Ion: 93 Resp: 16300
 Ion Ratio Lower Upper
 93 100
 95 83.3 0.0 164.8
 174 99.7 0.0 203.4





#41

Bromodichloromethane

Concen: 5.695 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

Instrument :

MSVOA_N

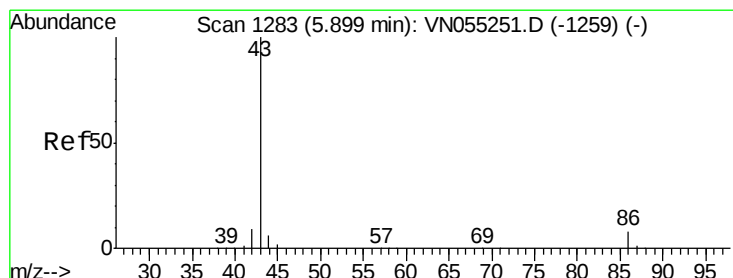
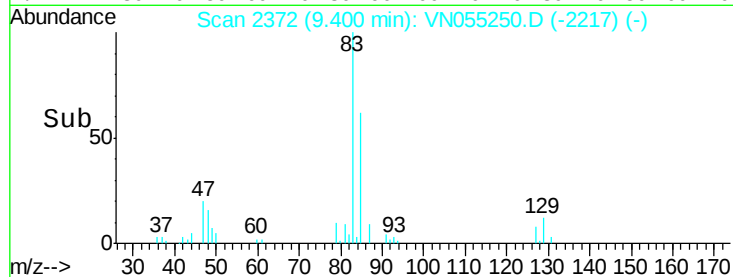
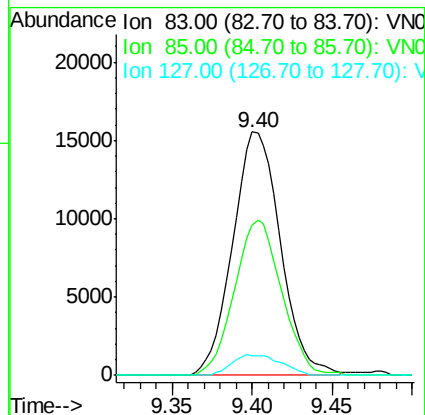
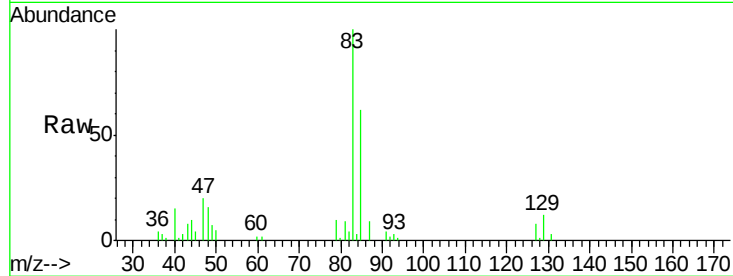
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	31693
Ion	Ratio	Lower	Upper
83	100		
85	61.7	54.5	81.7
127	8.0	6.4	9.6

Manual Integrations
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#42

Vinyl Acetate

Concen: 28.844 ug/l

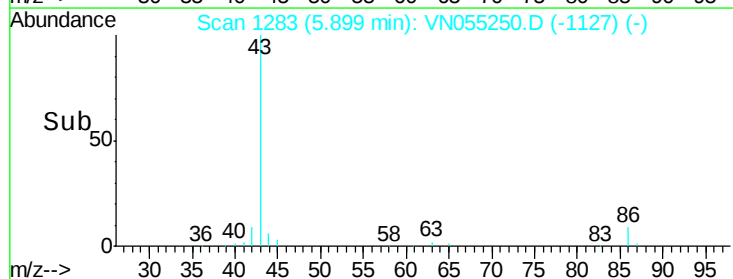
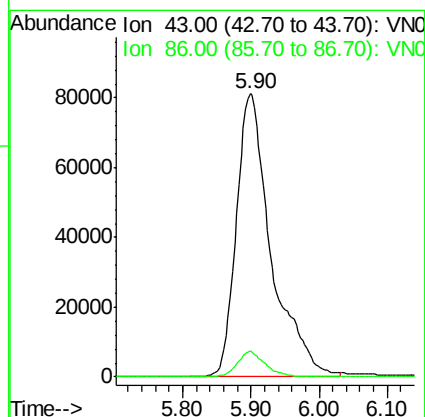
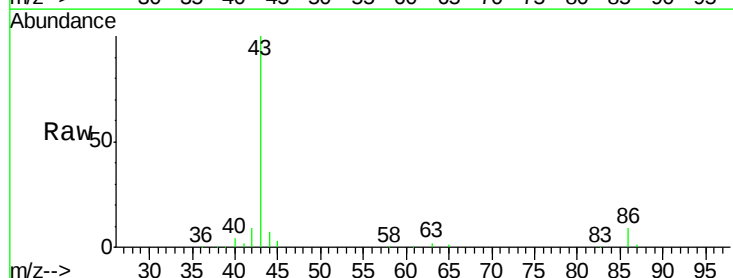
RT: 5.90 min Scan# 1283

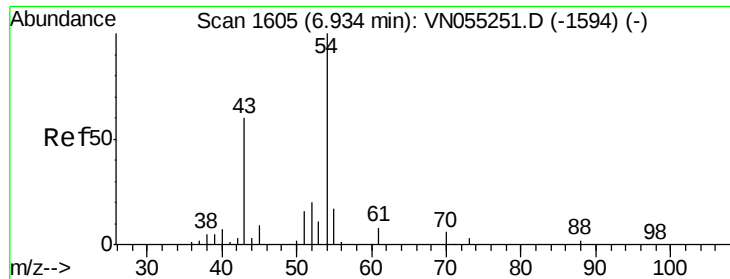
Delta R.T. 0.00 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

Tgt Ion:	43	Resp:	288956
Ion	Ratio	Lower	Upper
43	100		
86	7.2	5.7	8.5





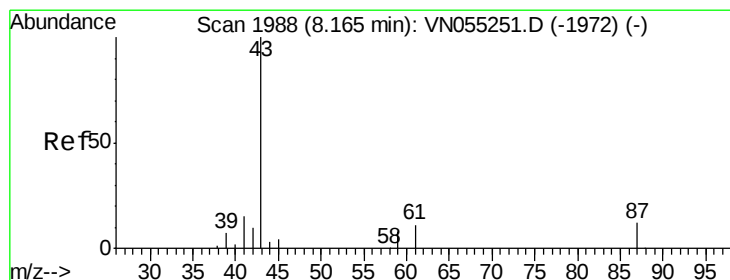
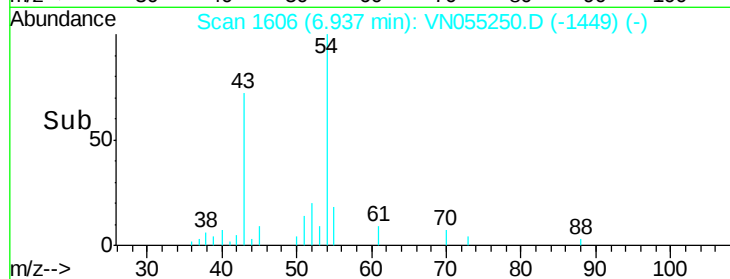
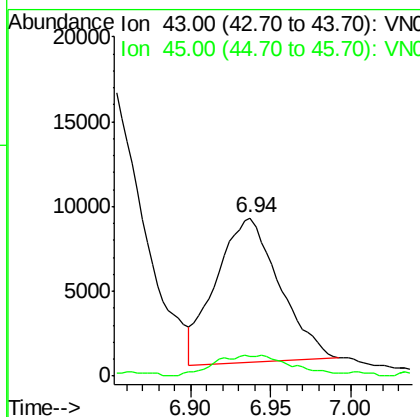
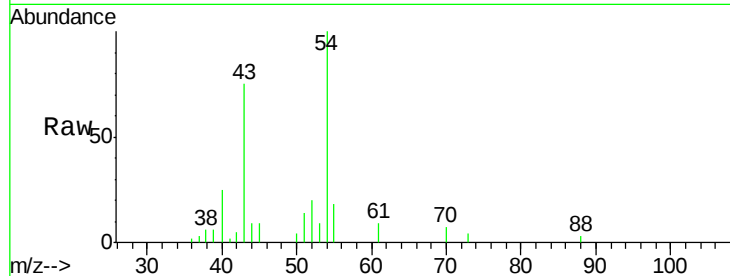
#43
Ethyl Acetate
Concen: 5.552 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN055250.D
Acq: 25 Apr 2019 17:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	43	45	Ratio	Lower	Upper
23238	100	4.9		9.6	14.4#

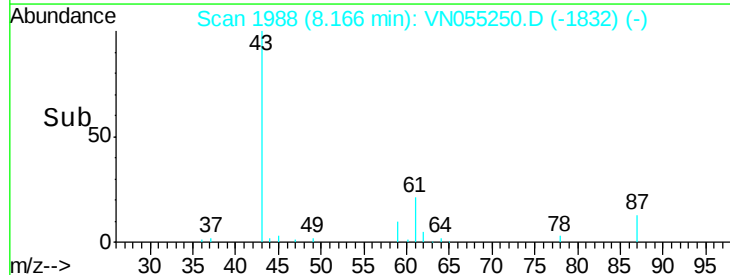
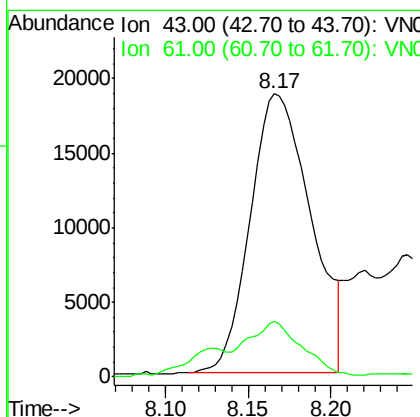
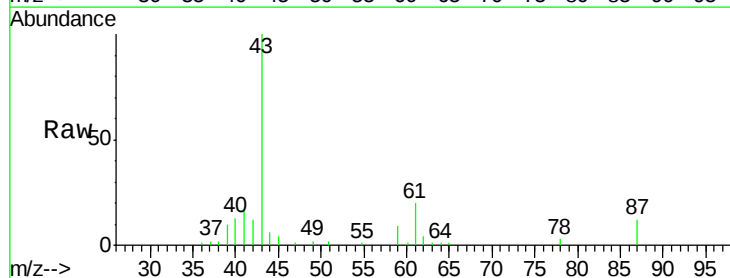
Manual Integrations
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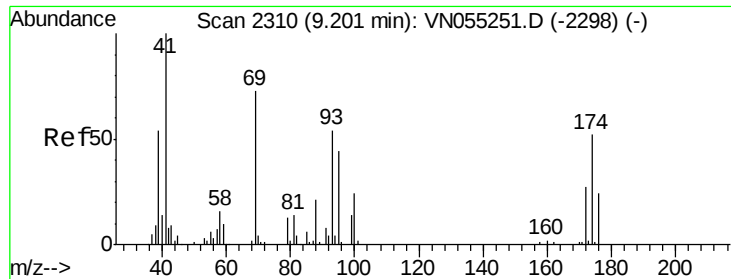
MMDadoda
4/26/2019 10:52:36 AM



#44
Isopropyl Acetate
Concen: 6.625 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN055250.D
Acq: 25 Apr 2019 17:59

Tgt Ion	43	61	Ratio	Lower	Upper
47693	100	16.8		12.6	18.8





#45

1,4-Dioxane

Concen: 114.973 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

Instrument :

MSVOA_N

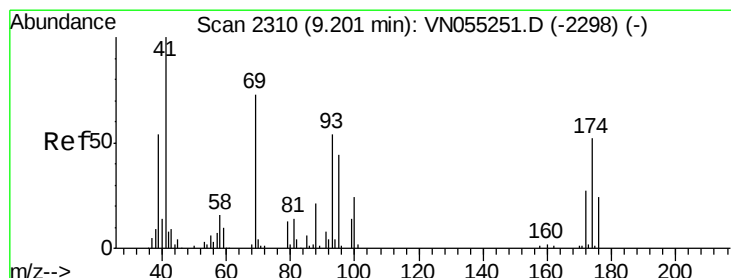
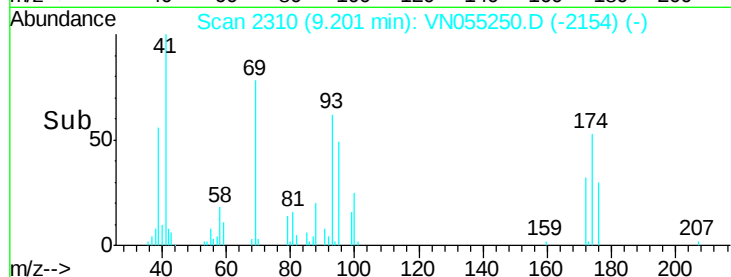
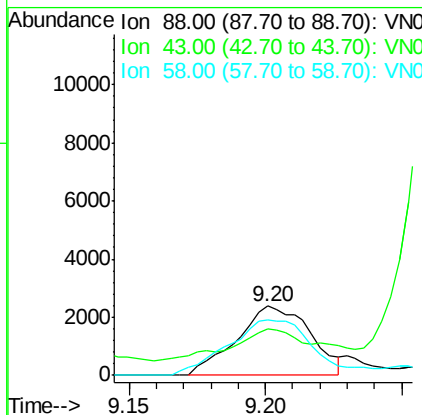
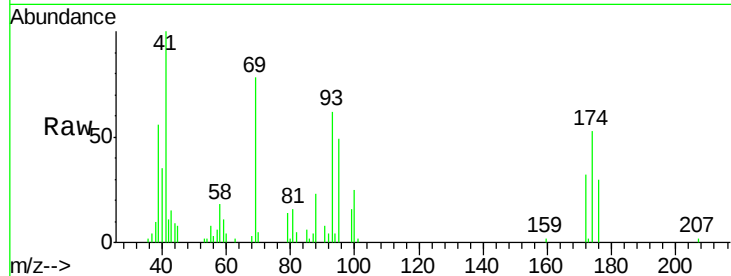
ClientSampled :

VSTDIC005

Tot Ion	88	Resp	4472
Ion	Ratio	Lower	Upper
88	100		
43	20.5	29.4	44.0#
58	89.2	62.4	93.6

Manual Integrations
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#46

Methyl methacrylate

Concen: 5.367 ug/l

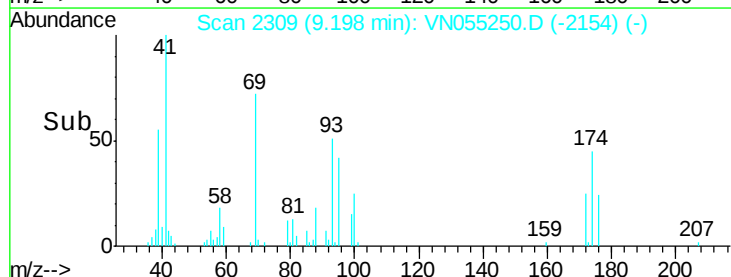
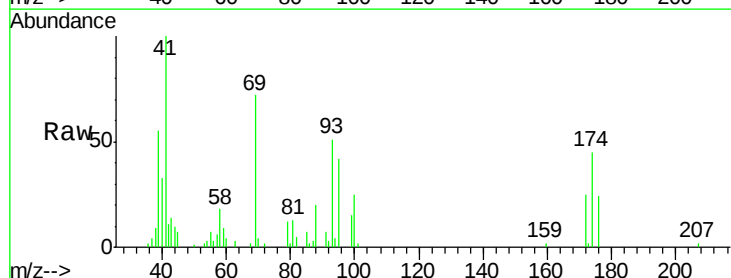
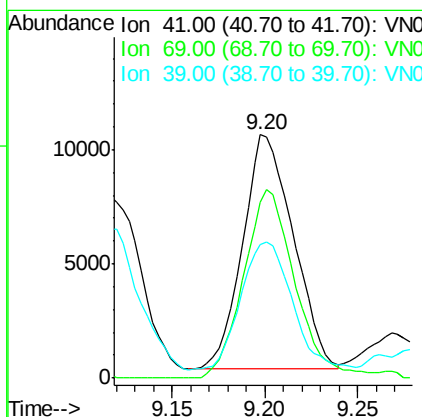
RT: 9.20 min Scan# 2309

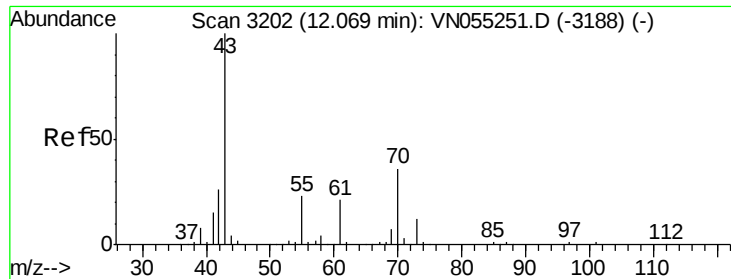
Delta R.T. -0.00 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

Tgt Ion	41	Resp	19519
Ion	Ratio	Lower	Upper
41	100		
69	75.0	36.4	109.3
39	53.1	26.9	80.7





#47

n-amvl Acetate

Concen: 5.197 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 26814

Ion Ratio Lower Upper

43 100

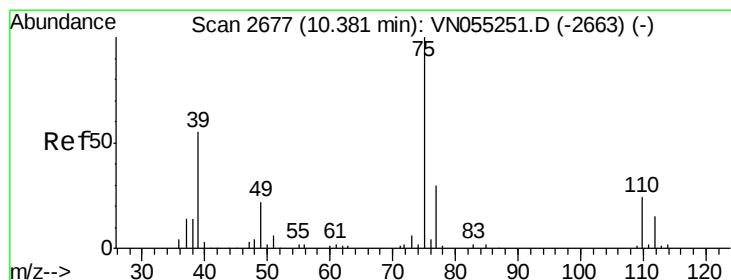
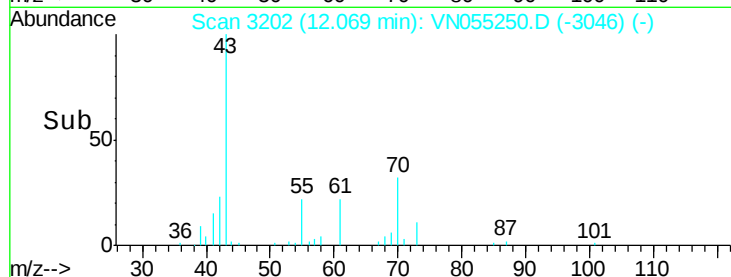
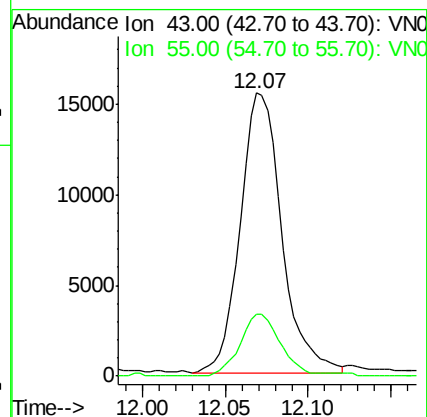
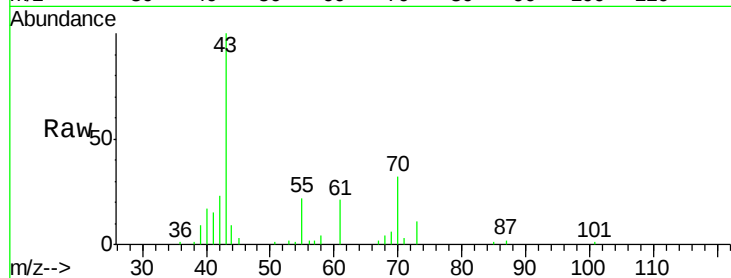
55 21.5 18.1 27.1

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 5.160 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055250.D

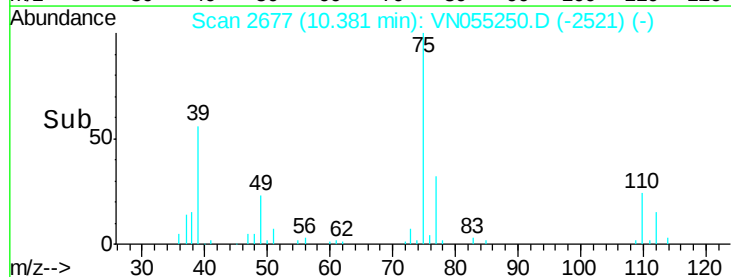
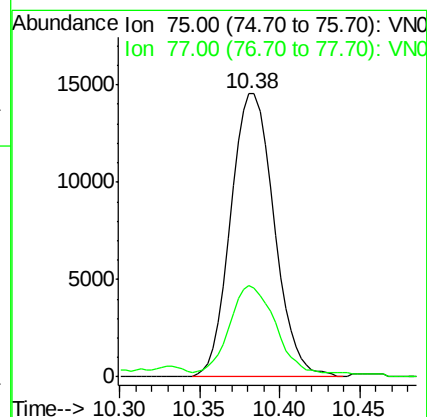
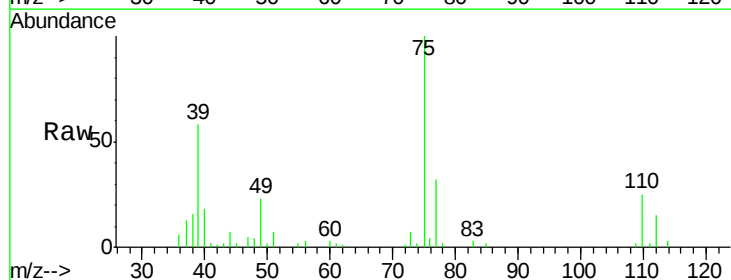
Acq: 25 Apr 2019 17:59

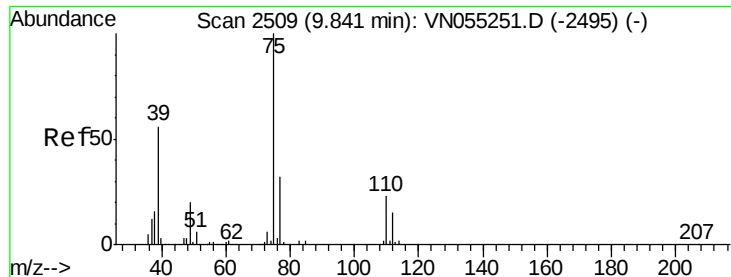
Tgt Ion: 75 Resp: 26990

Ion Ratio Lower Upper

75 100

77 30.8 23.9 35.9





#49

cis-1,3-Dichloropropene

Concen: 5.230 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

Instrument :

MSVOA_N

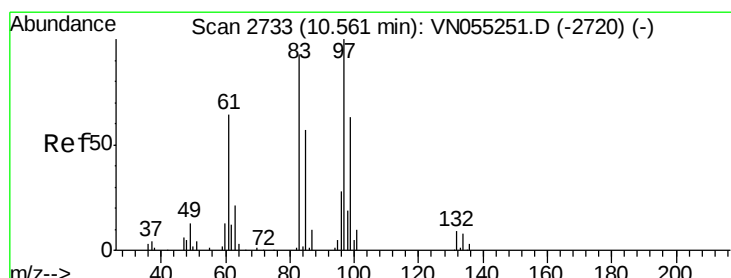
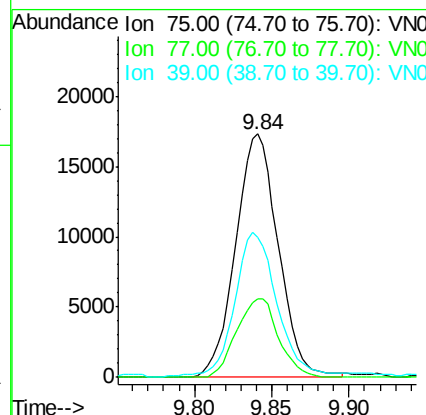
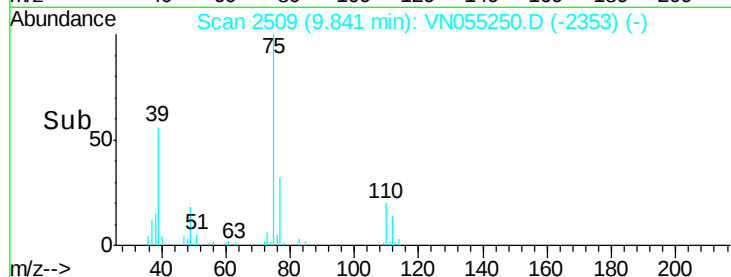
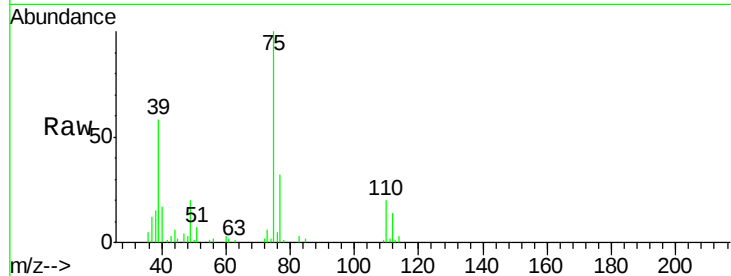
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	33159
Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.9	38.9
39	56.3	45.0	67.6

Manual Integrations
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#50

1,1,2-Trichloroethane

Concen: 5.706 ug/l

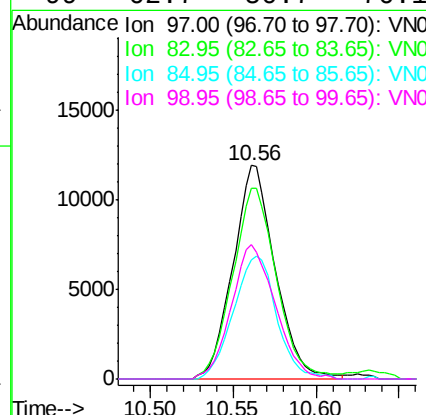
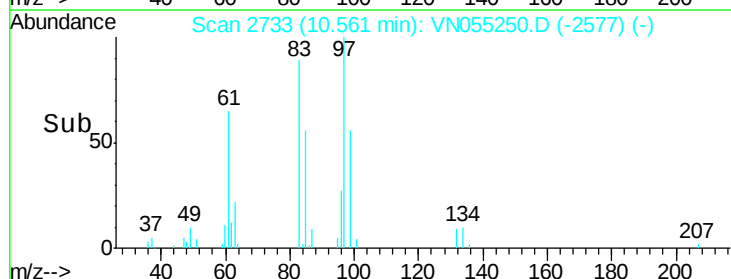
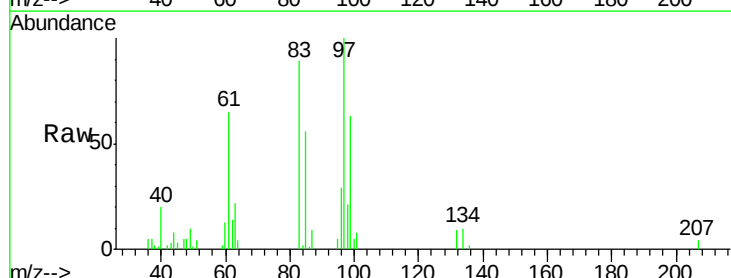
RT: 10.56 min Scan# 2733

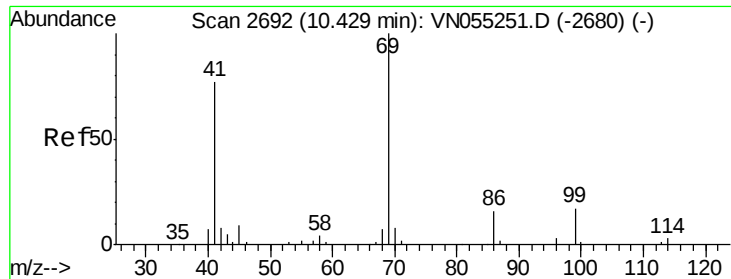
Delta R.T. 0.00 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

Tgt Ion:	97	Resp:	21085
Ion	Ratio	Lower	Upper
97	100		
83	89.4	74.6	111.8
85	56.0	45.4	68.2
99	62.7	50.7	76.1





#51

Ethyl methacrylate

Concen: 6.053 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

Instrument :

MSVOA_N

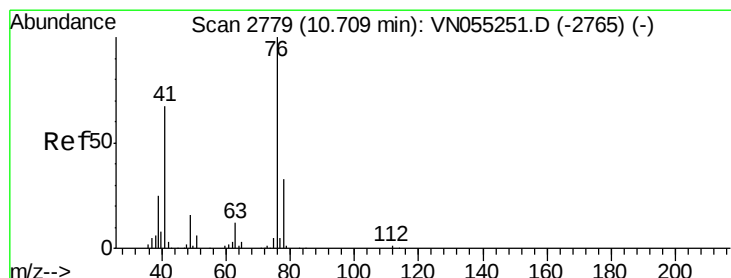
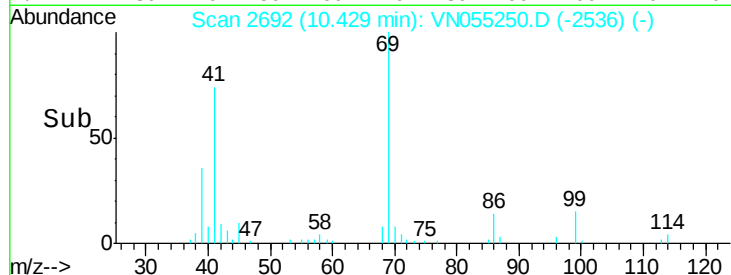
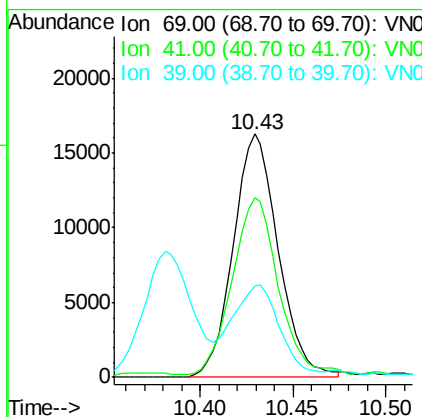
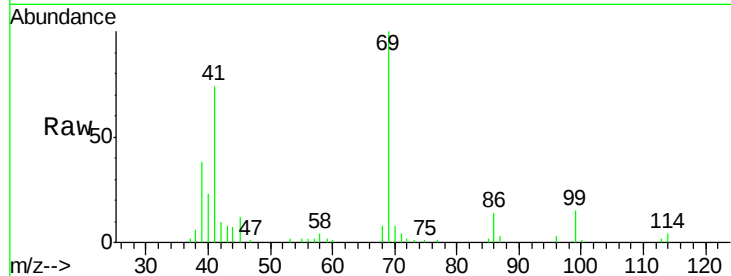
ClientSampleId :

VSTDIC005

Tot Ion:	69	Resp:	27413
Ion	Ratio	Lower	Upper
69	100		
41	72.8	38.7	116.1
39	34.9	19.9	59.6

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 5.833 ug/l

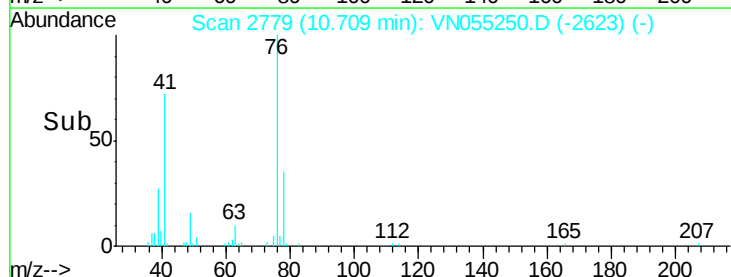
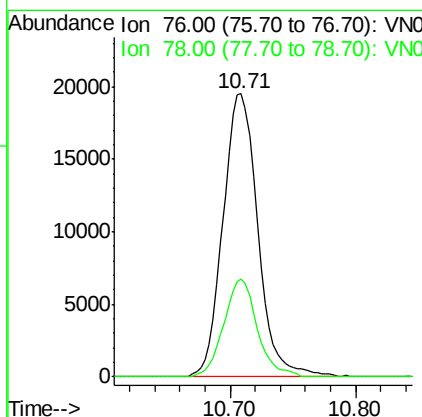
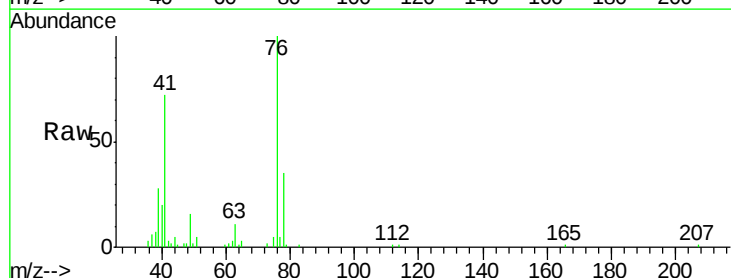
RT: 10.71 min Scan# 2779

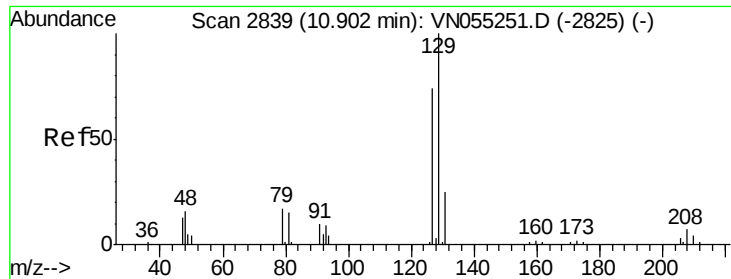
Delta R.T. 0.00 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

Tgt Ion:	76	Resp:	37683
Ion	Ratio	Lower	Upper
76	100		
78	33.1	0.0	63.0





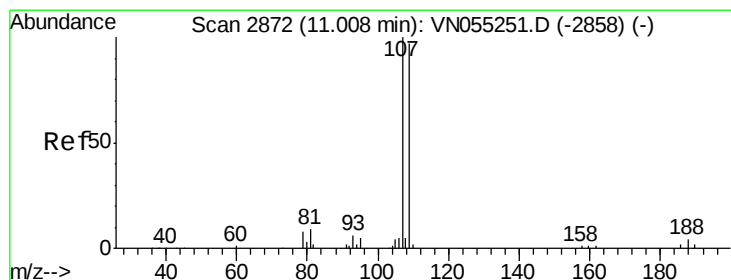
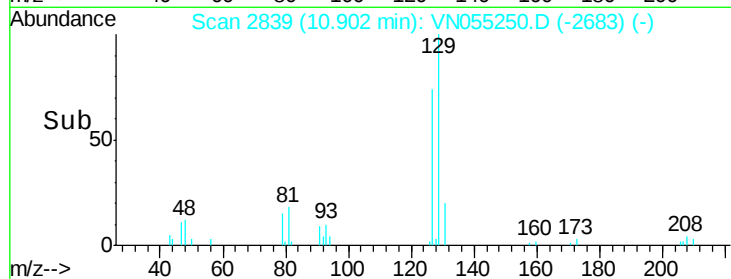
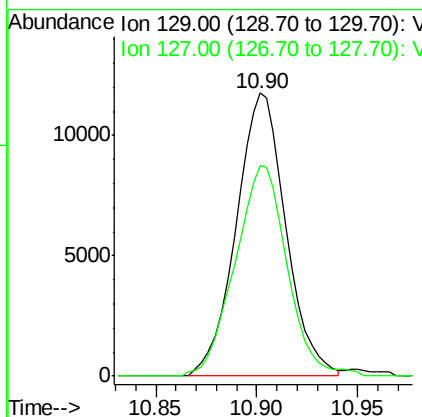
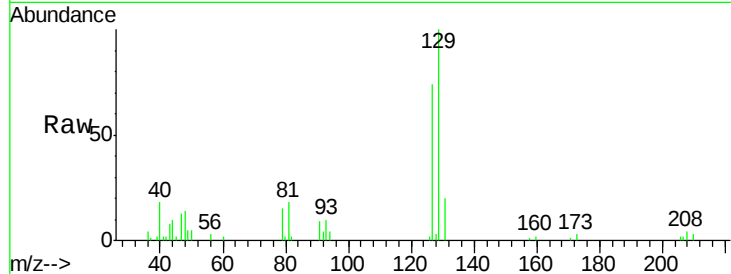
#53
Dibromochloromethane
Concen: 5.311 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055250.D
Acq: 25 Apr 2019 17:59

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.8	116.3

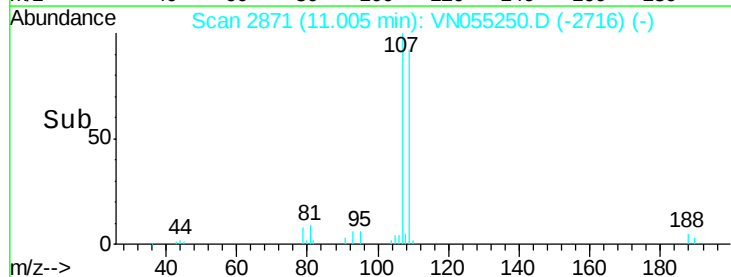
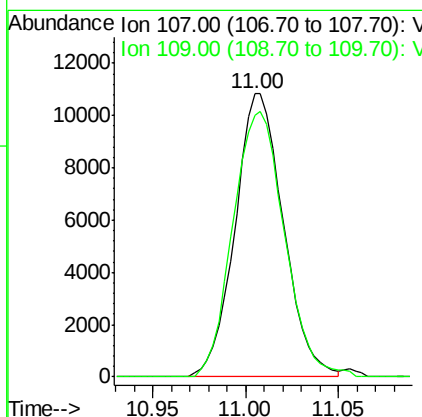
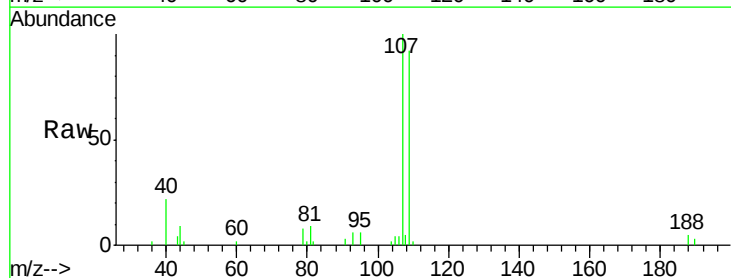
Manual Integrations
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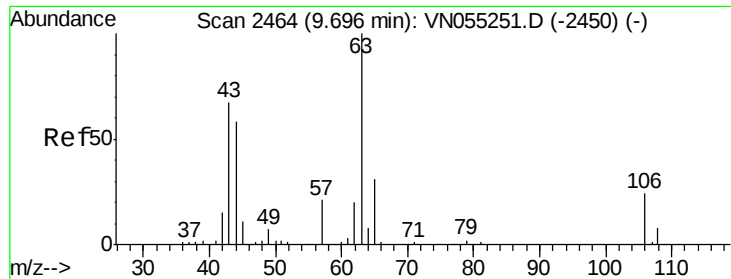
MMdadoda
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#54
1,2-Dibromoethane
Concen: 5.614 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN055250.D
Acq: 25 Apr 2019 17:59

Tgt Ion	Ratio	Lower	Upper
107	100		
109	99.6	75.2	112.8





#55

2-Chloroethyl vinyl ether

Concen: 18.116 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

Instrument :

MSVOA_N

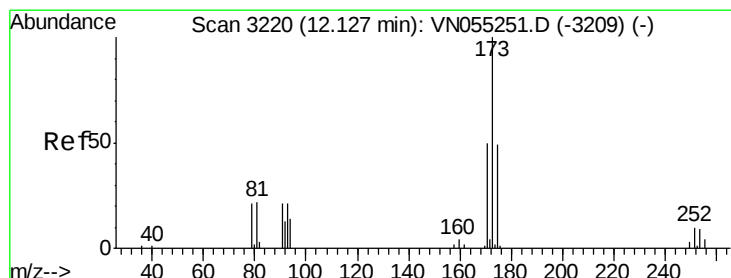
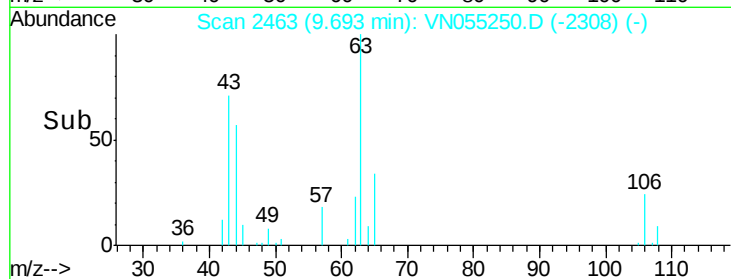
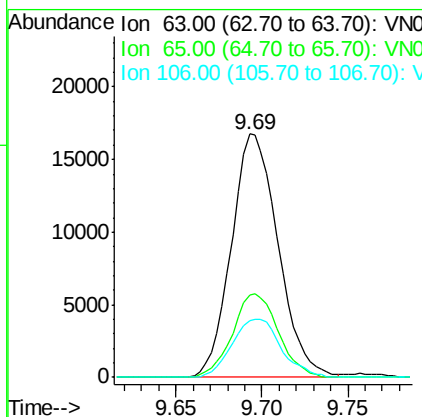
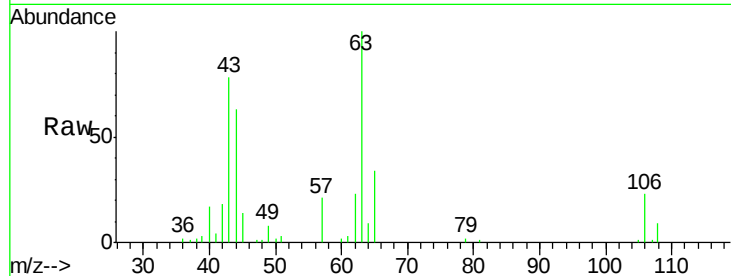
ClientSampleId :

VSTDIC005

Tot Ion:	63	Resp:	31658
Ion	Ratio	Lower	Upper
63	100		
65	33.5	25.1	37.7
106	25.0	19.4	29.0

Manual Integrations
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#56

Bromoform

Concen: 4.954 ug/l

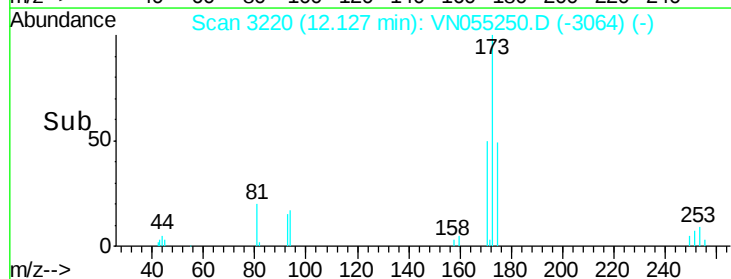
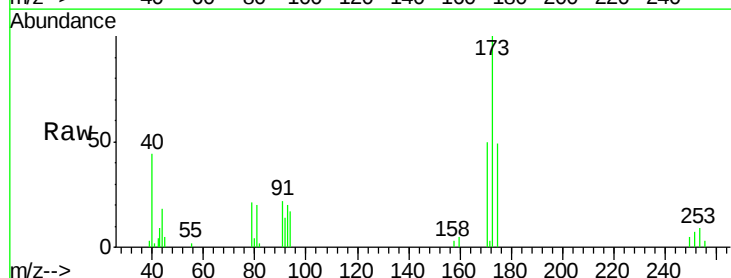
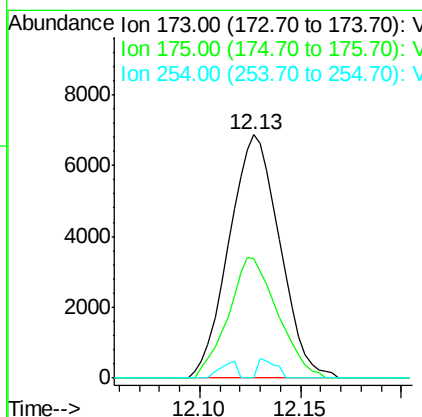
RT: 12.13 min Scan# 3220

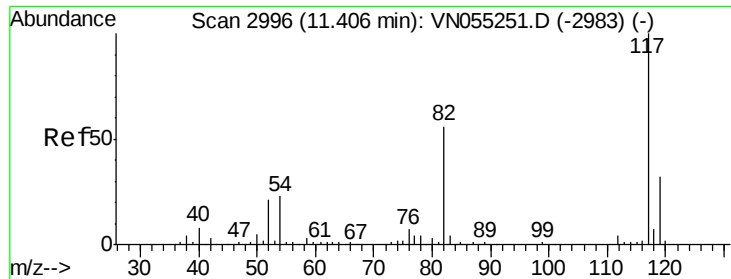
Delta R.T. 0.00 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

Tgt Ion:	173	Resp:	12072
Ion	Ratio	Lower	Upper
173	100		
175	48.2	37.7	56.5
254	2.8	7.8	11.6#





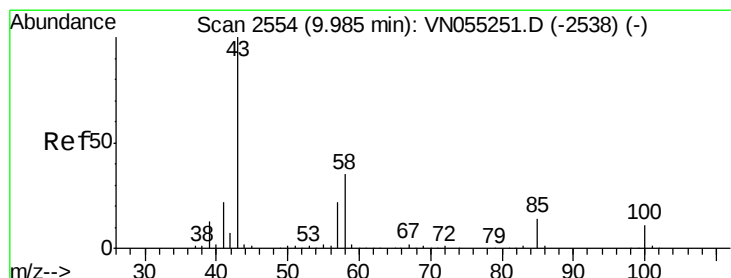
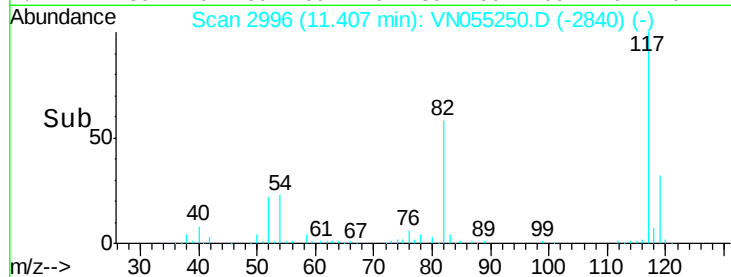
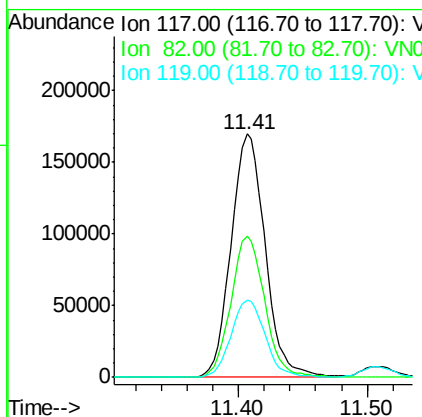
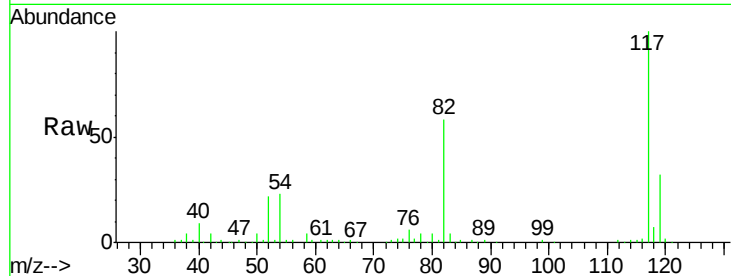
#57
 Chlorobenzene-d5
 Concen: 30.000 ug/l
 RT: 11.41 min Scan# 2996
 Delta R.T. 0.00 min
 Lab File: VN055250.D
 Acq: 25 Apr 2019 17:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.7	45.3	67.9
119	32.0	25.4	38.0

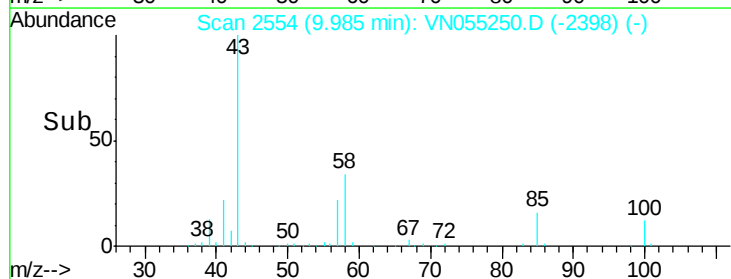
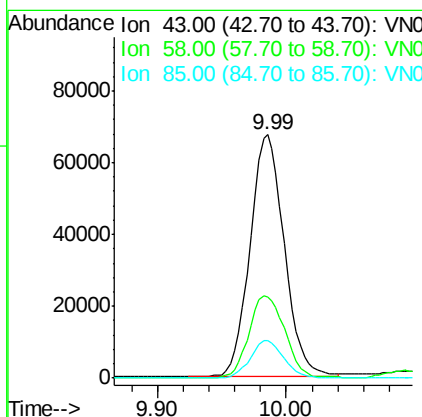
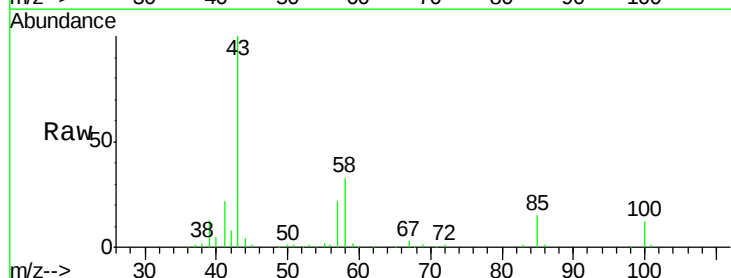
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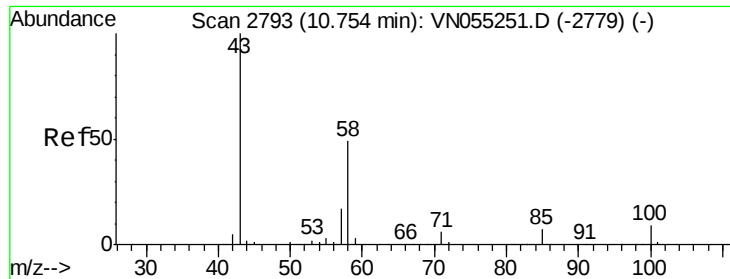
MMdadoda
 4/26/2019 10:52:36 AM



#58
 4-Methyl-2-Pentanone
 Concen: 32.190 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN055250.D
 Acq: 25 Apr 2019 17:59

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.2	28.6	43.0
85	15.0	11.4	17.2





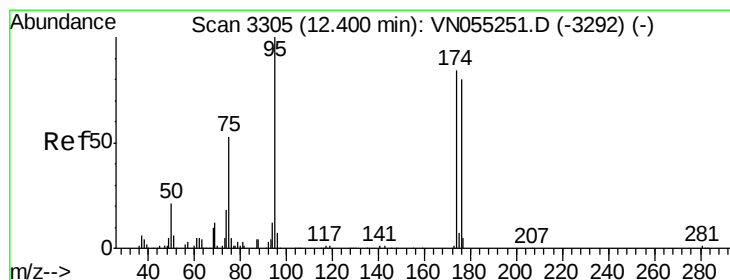
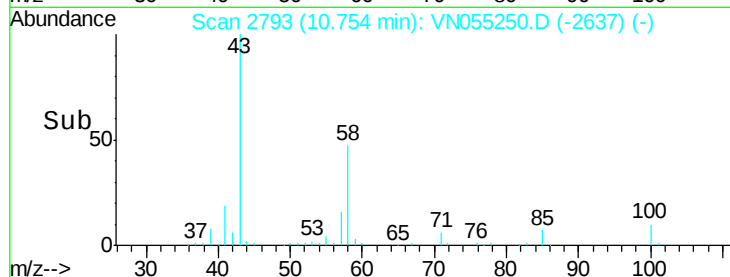
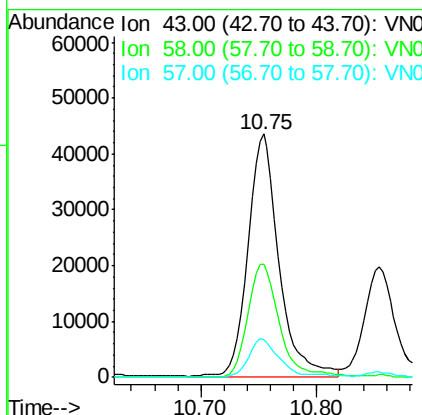
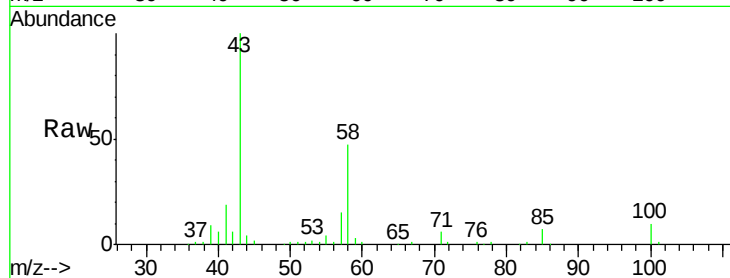
#59
2-Hexanone
Concen: 32.779 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055250.D
Acq: 25 Apr 2019 17:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	46.4	39.0	58.6
57	15.2	13.4	20.2

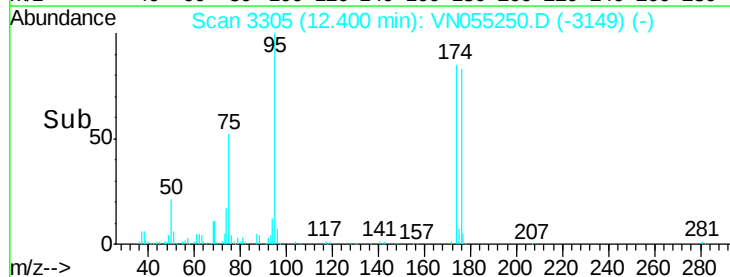
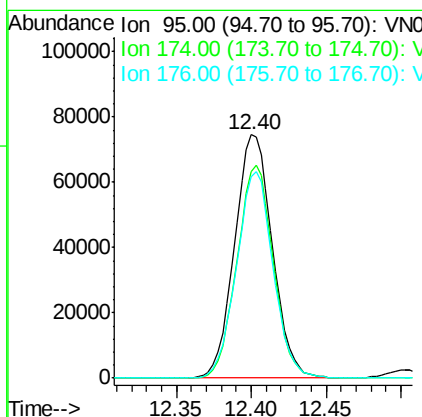
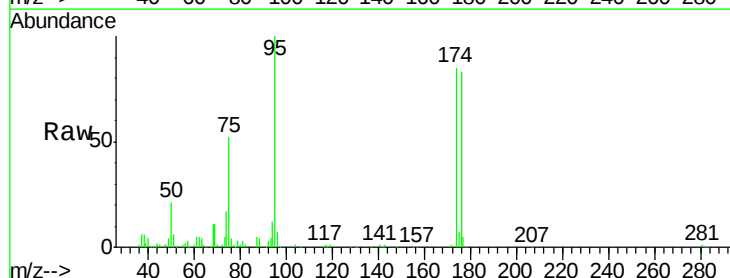
Manual Integrations
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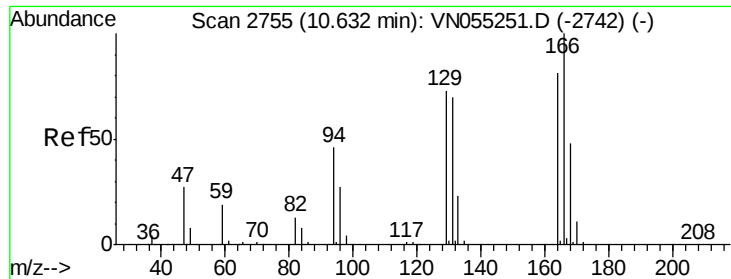
MMDadoda
4/26/2019 10:52:36 AM



#60
4-Bromofluorobenzene
Concen: 27.068 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055250.D
Acq: 25 Apr 2019 17:59

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.5	68.1	102.1
176	82.3	65.8	98.6





#61

Tetrachloroethene

Concen: 5.670 ug/l

RT: 10.63 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

Instrument :

MSVOA_N

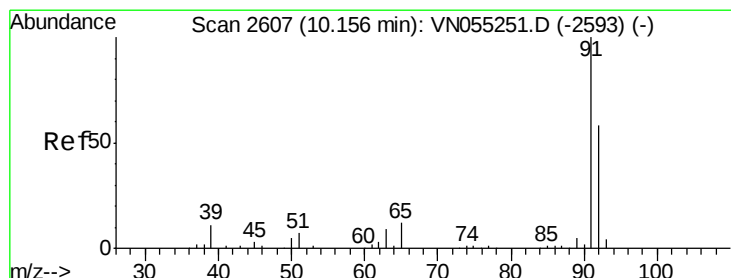
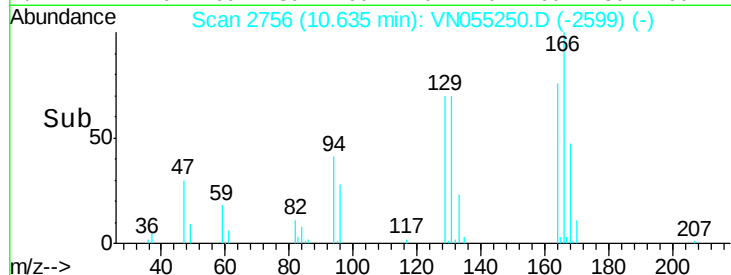
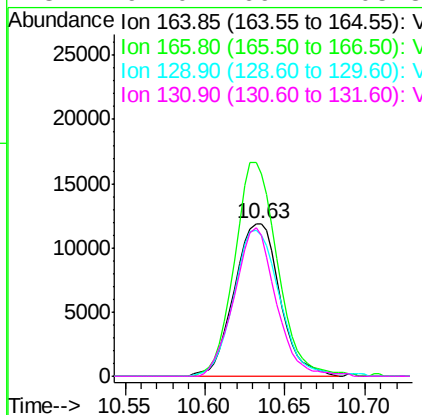
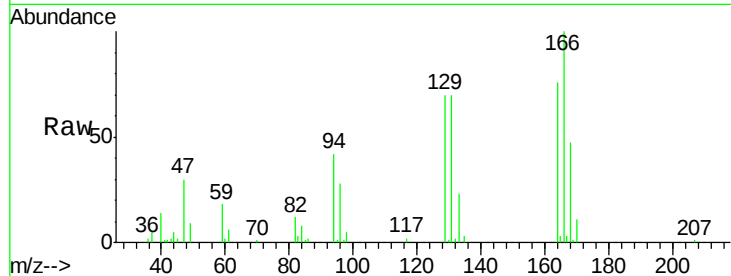
ClientSampled :

VSTDIC005

Tot Ion:	164	Resp:	23184
Ion	Ratio	Lower	Upper
164	100		
166	132.2	98.6	147.8
129	92.4	72.4	108.6
131	92.0	69.2	103.8

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#62

Toluene

Concen: 5.701 ug/l

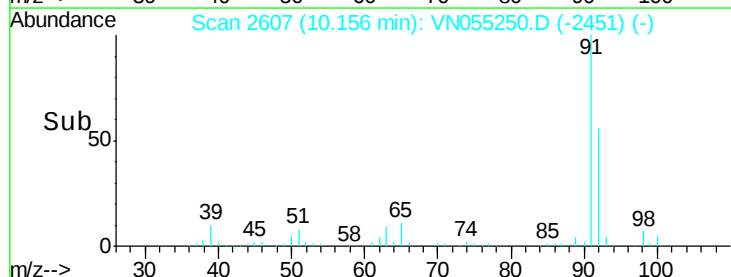
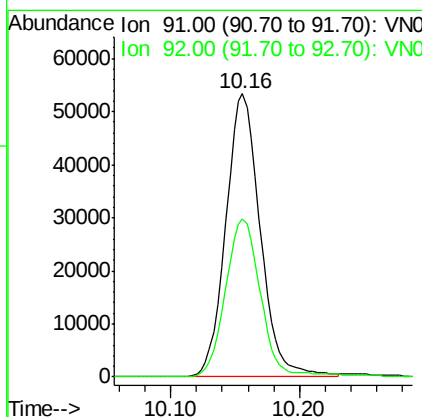
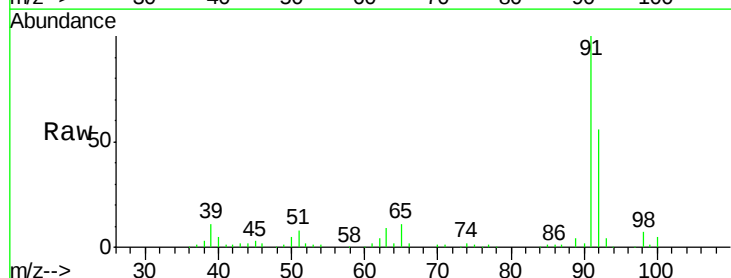
RT: 10.16 min Scan# 2607

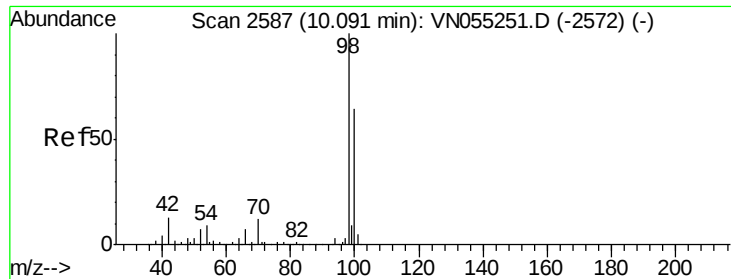
Delta R.T. 0.00 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

Tgt Ion:	91	Resp:	98905
Ion	Ratio	Lower	Upper
91	100		
92	57.0	44.3	66.5





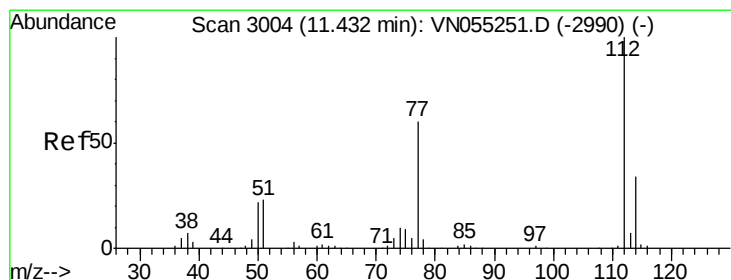
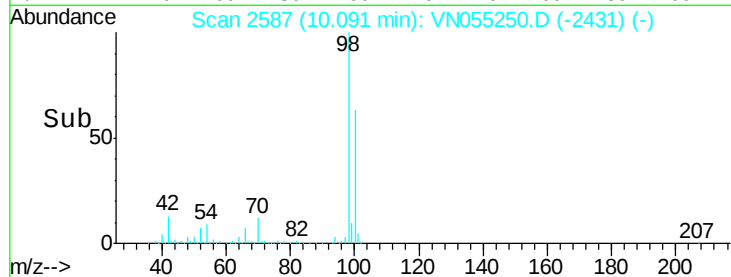
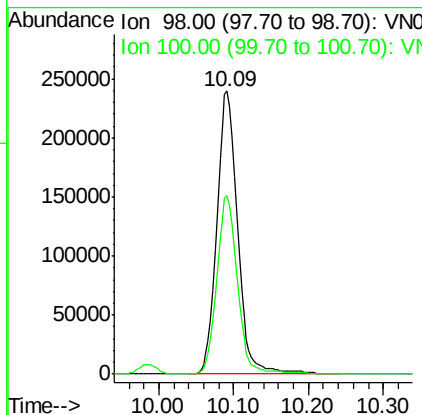
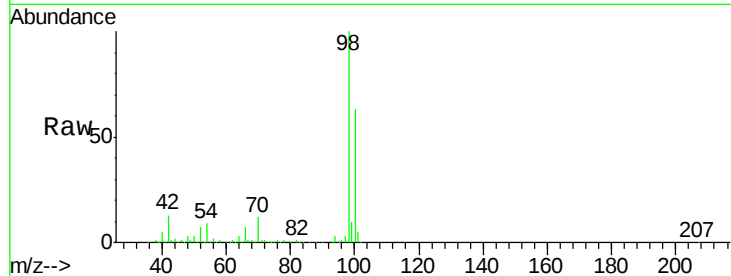
#63
Toluene-d8
Concen: 31.299 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055250.D
Acq: 25 Apr 2019 17:59

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 98 Resp: 463208
Ion Ratio Lower Upper
98 100
100 62.9 50.0 75.0

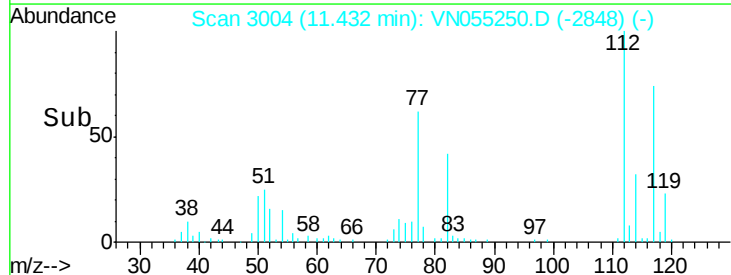
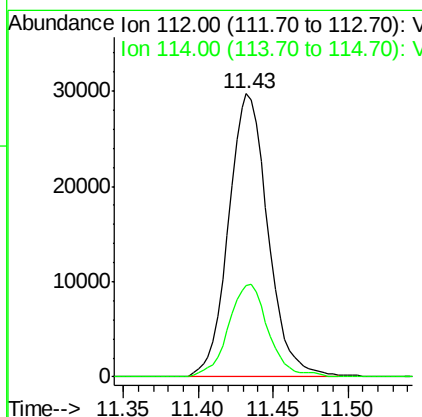
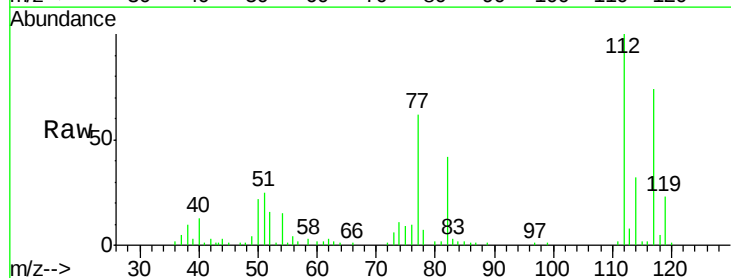
Manual Integrations
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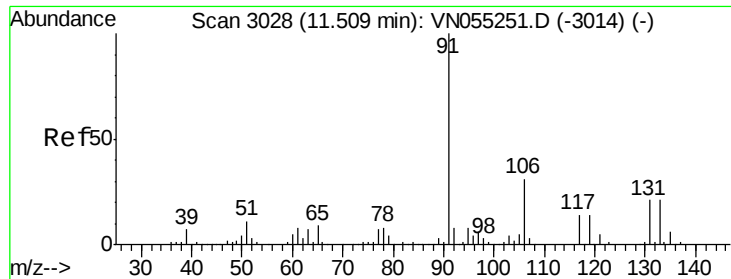
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#64
Chlorobenzene
Concen: 5.234 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055250.D
Acq: 25 Apr 2019 17:59

Tgt Ion: 112 Resp: 54500
Ion Ratio Lower Upper
112 100
114 32.4 26.9 40.3





#65

1,1,1,2-Tetrachloroethane

Concen: 5.589 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

Instrument :

MSVOA_N

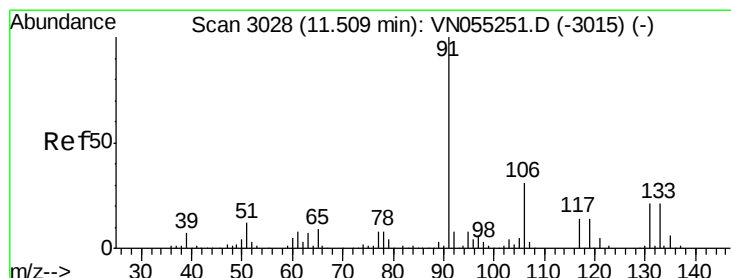
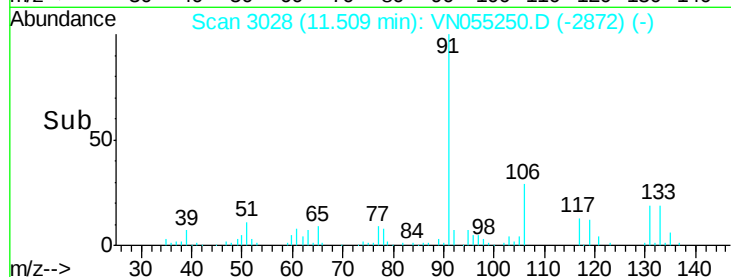
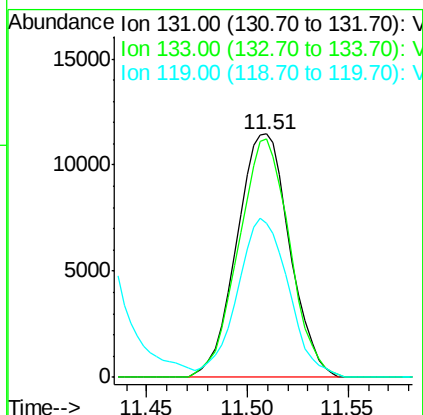
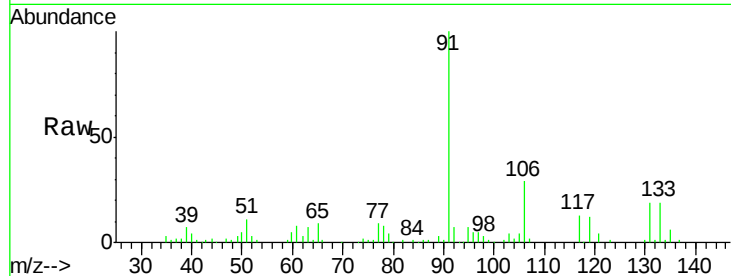
ClientSampled :

VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
131	100	20988		
133	95.0		0.0	195.6
119	63.7		0.0	135.0

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#66

Ethyl Benzene

Concen: 5.428 ug/l

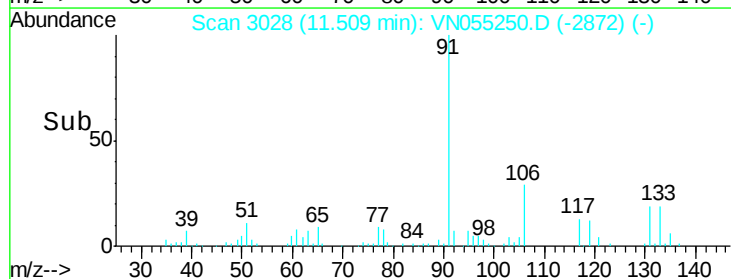
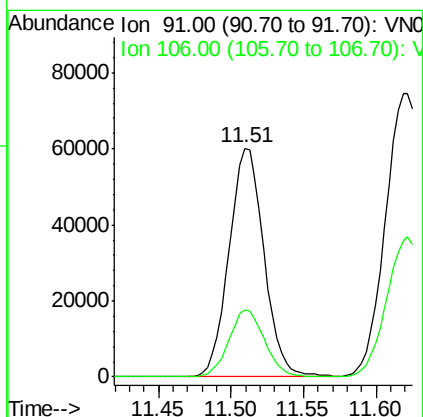
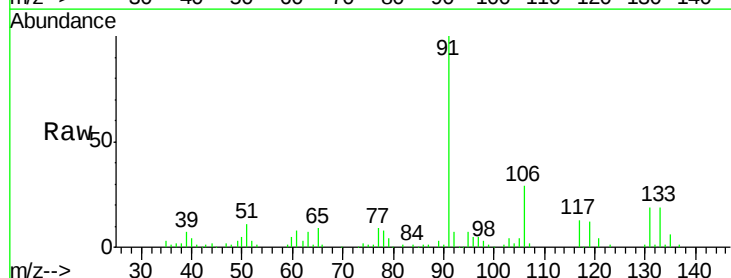
RT: 11.51 min Scan# 3028

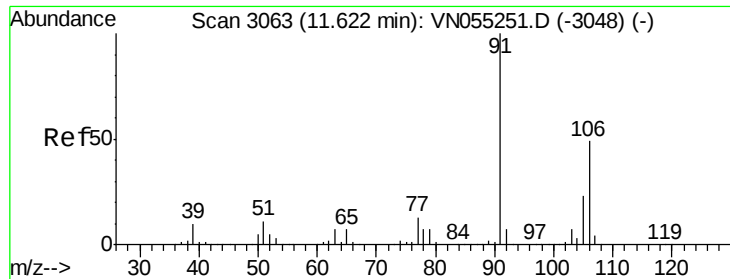
Delta R.T. 0.00 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	100618		
106	29.5		24.5	36.7





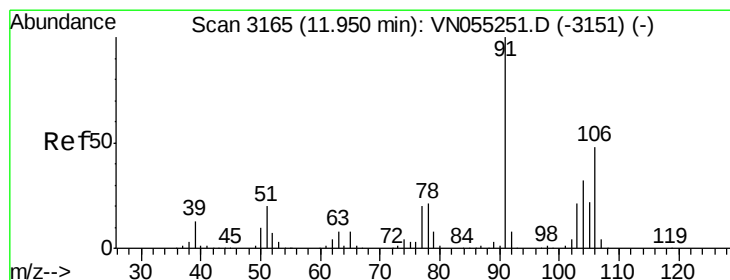
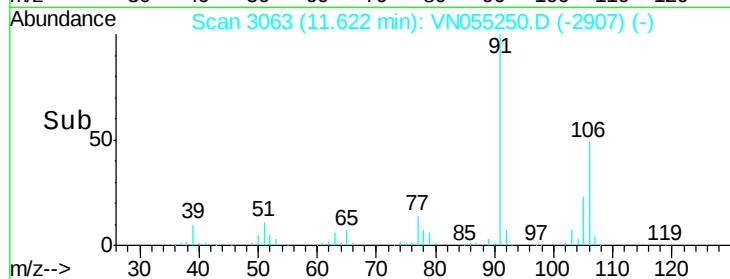
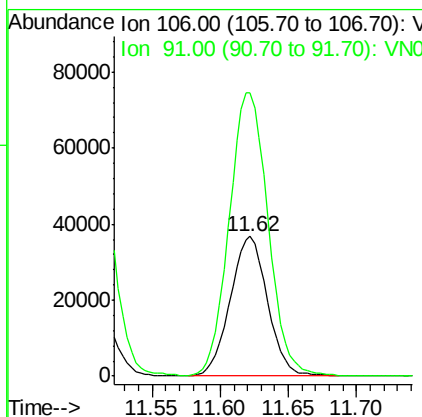
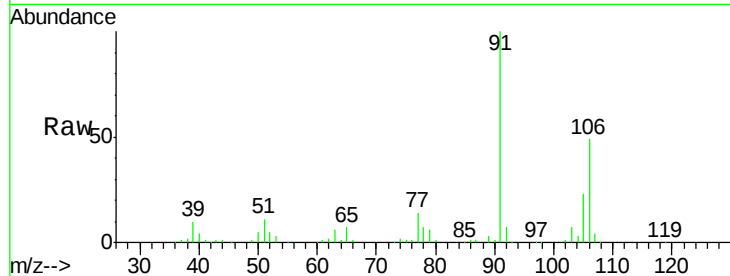
#67
m/p-Xvlenes
Concen: 10.169 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055250.D
Acq: 25 Apr 2019 17:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 69930
Ion Ratio Lower Upper
106 100
91 211.2 165.4 248.2

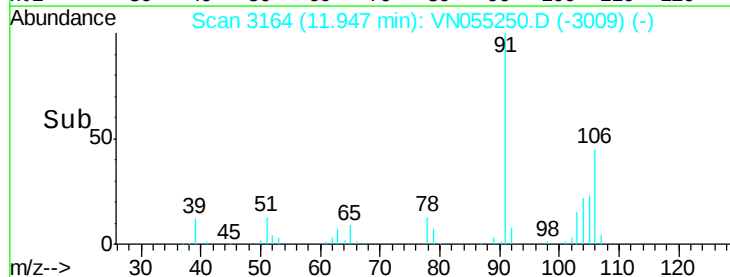
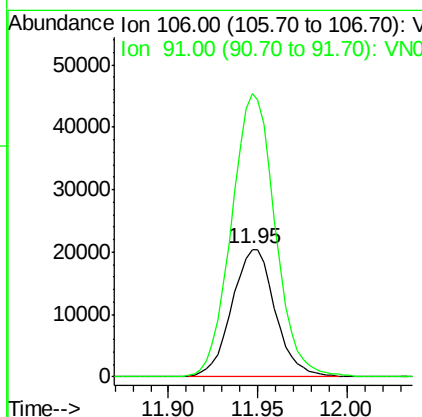
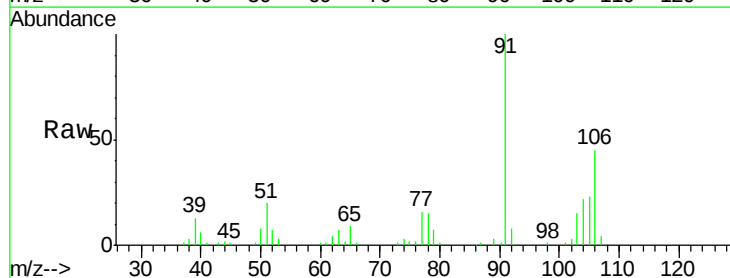
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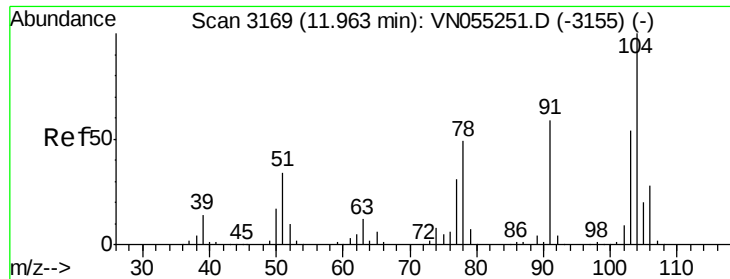
MMdadoda
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#68
o-Xylene
Concen: 5.075 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055250.D
Acq: 25 Apr 2019 17:59

Tgt Ion:106 Resp: 34743
Ion Ratio Lower Upper
106 100
91 223.4 106.8 320.4





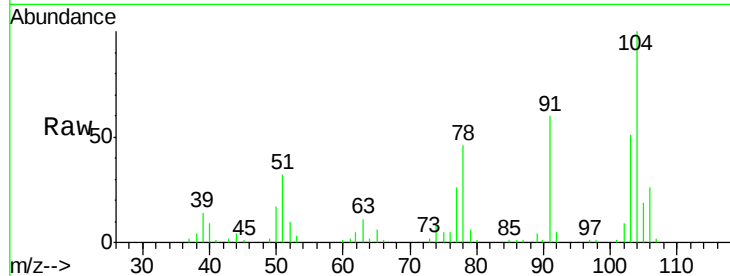
#69
Stvrene
Concen: 4.883 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055250.D
Acq: 25 Apr 2019 17:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.4	42.4	63.6
103	57.9	45.3	67.9

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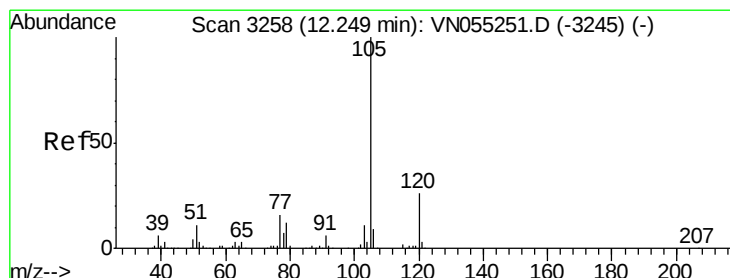
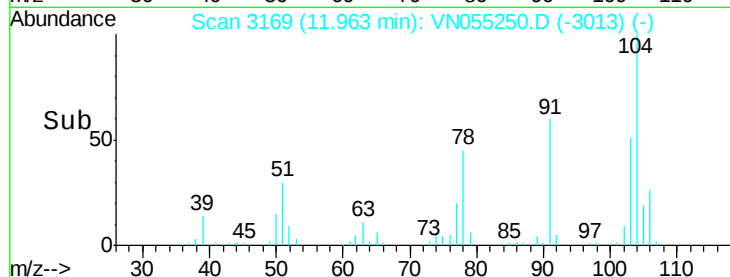
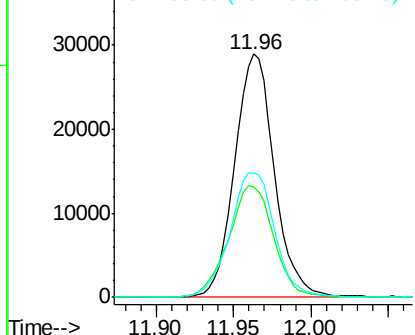


Abundance

Ion 104.00 (103.70 to 104.70): V

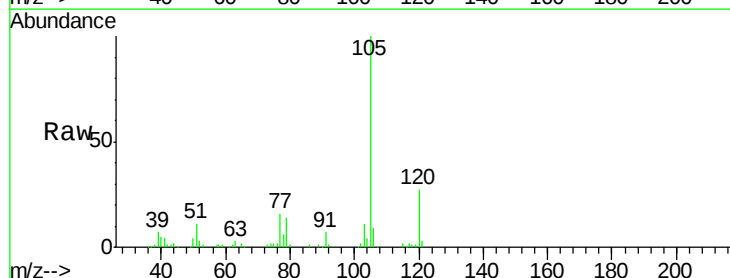
Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#70
Isopropylbenzene
Concen: 5.020 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055250.D
Acq: 25 Apr 2019 17:59

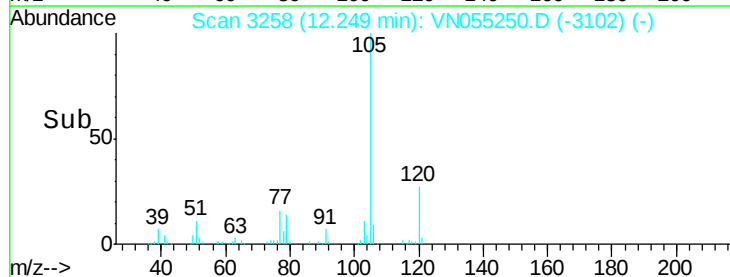
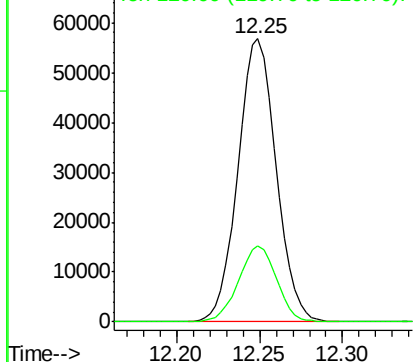
Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.7	18.1	33.7

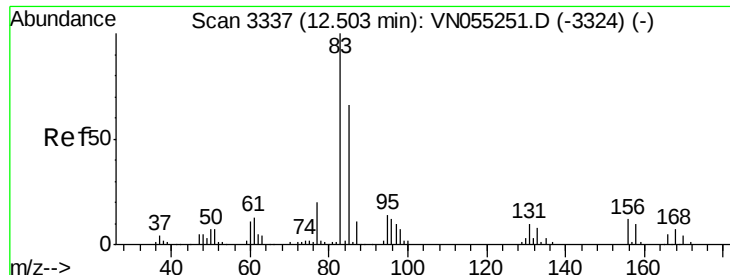


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





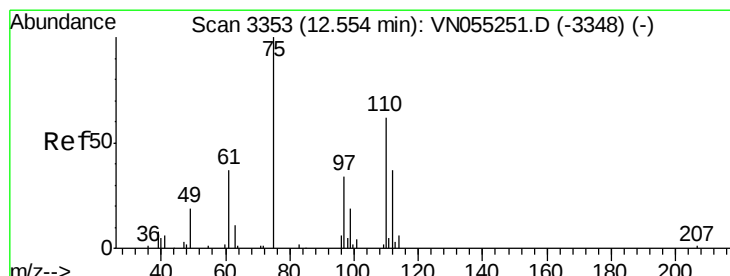
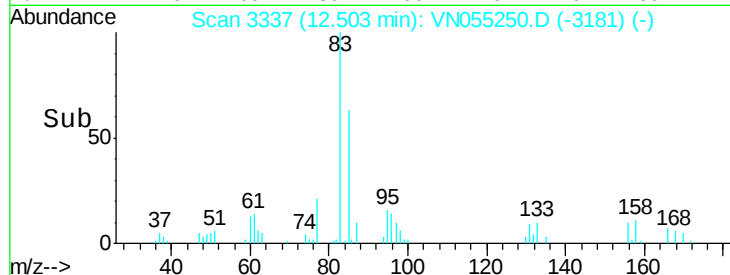
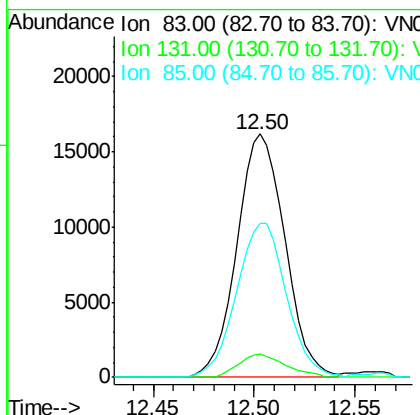
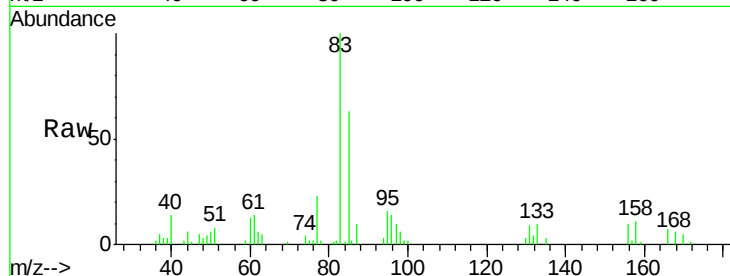
#71
 1,1,2,2-Tetrachloroethane
 Concen: 6.245 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN055250.D
 Acq: 25 Apr 2019 17:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	83	Resp	27004
Ion Ratio	100	Lower	Upper
83	100		
131	9.5	5.0	14.9
85	65.9	32.3	96.8

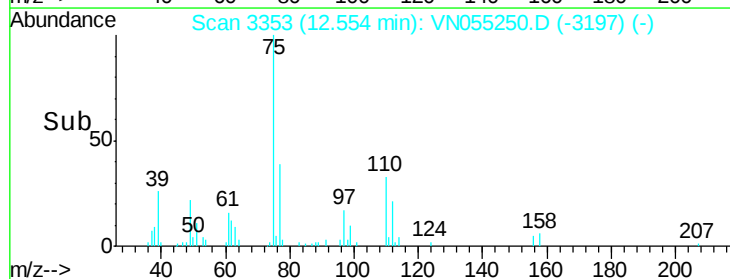
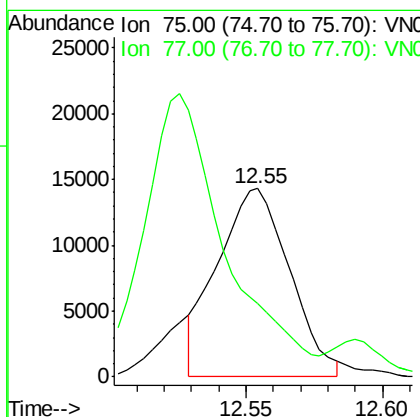
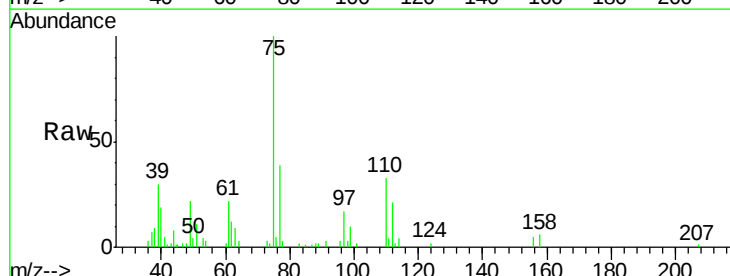
Manual Integrations
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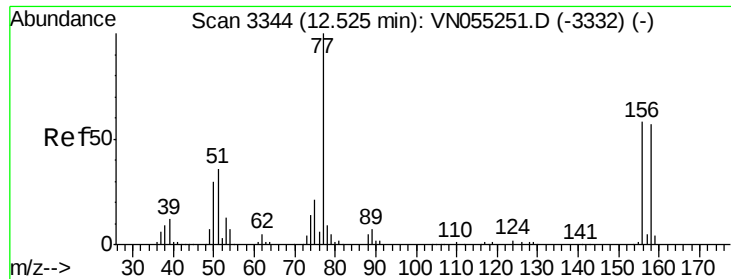
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#72
 1,2,3-Trichloropropane
 Concen: 7.406 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN055250.D
 Acq: 25 Apr 2019 17:59

Tgt Ion	75	Resp	26410
Ion Ratio	100	Lower	Upper
75	100		
77	168.4	0.0	410.2





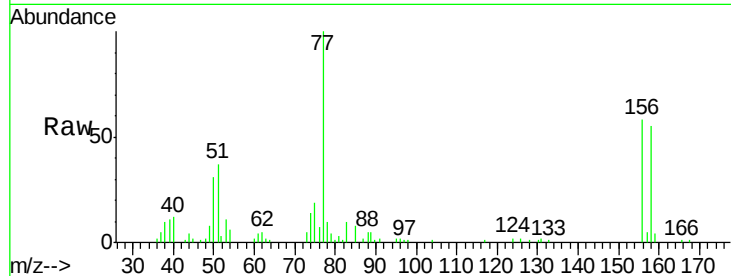
#73
Bromobenzene
Concen: 4.965 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN055250.D
Acq: 25 Apr 2019 17:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

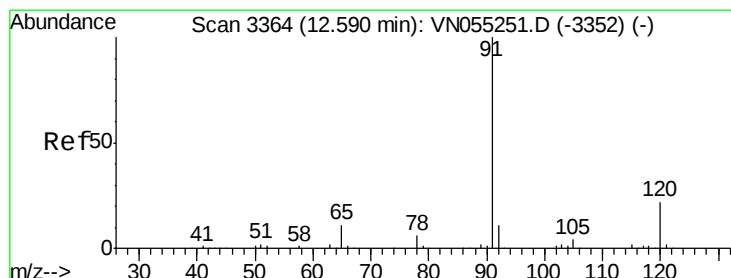
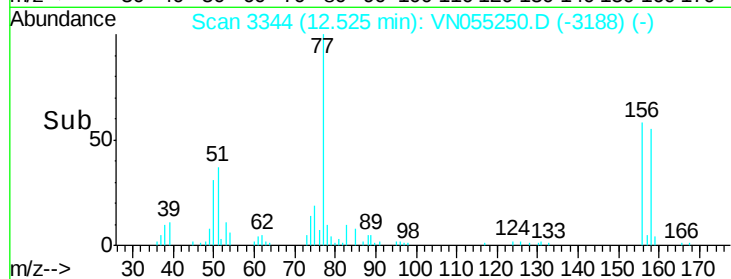
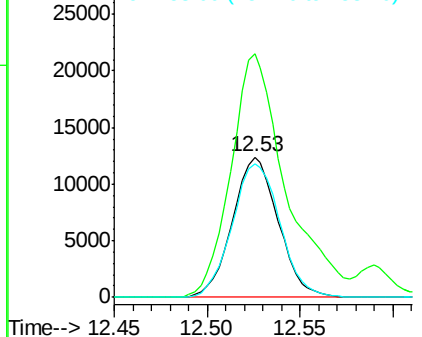
Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		21298		
77	208.8	0.0	403.2		
158	100.2	0.0	195.8		

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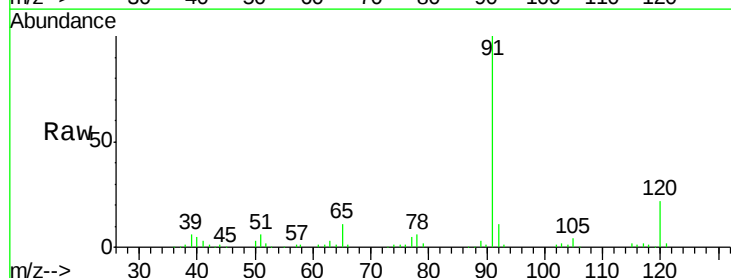


Abundance Ion 156.00 (155.70 to 156.70): V
Ion 77.00 (76.70 to 77.70): V
Ion 158.00 (157.70 to 158.70): V

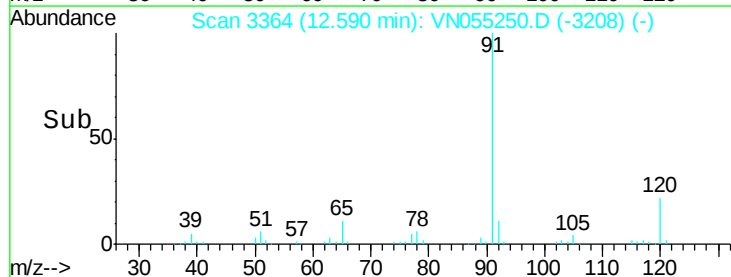
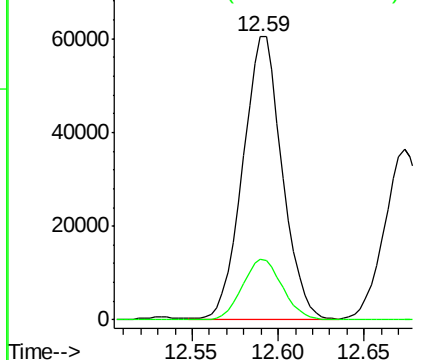


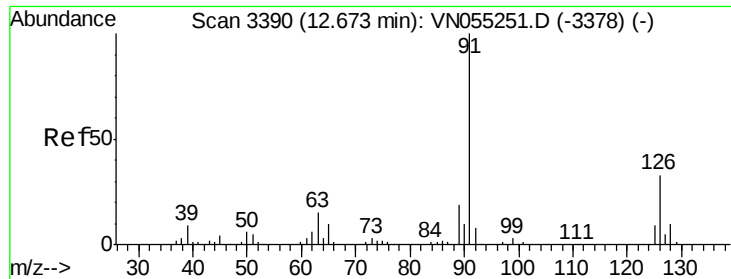
#74
n-propylbenzene
Concen: 4.765 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN055250.D
Acq: 25 Apr 2019 17:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		96473		
120	21.6	0.0	43.6		



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 5.009 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 61474

Ion Ratio Lower Upper

91 100

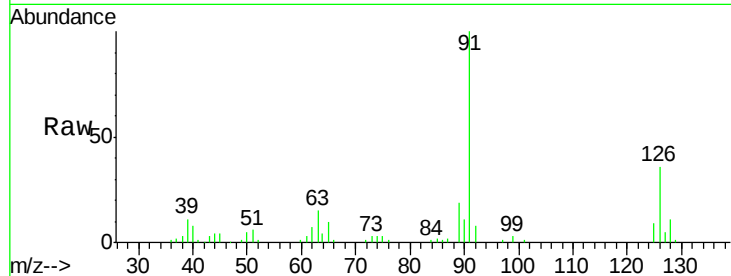
126 34.5 0.0 65.8

Manual Integrations

APPROVED

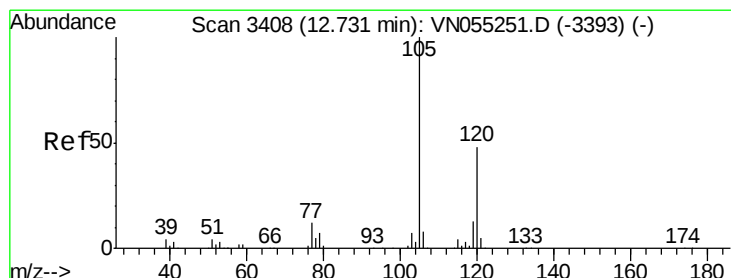
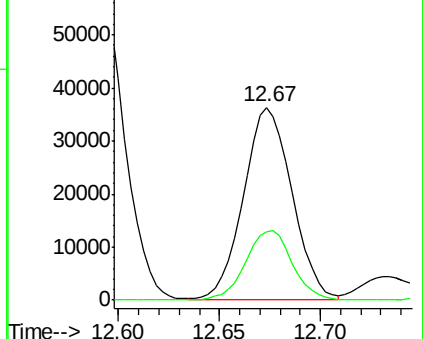
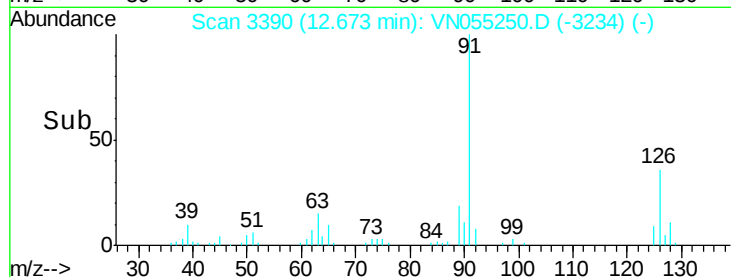
MMdadoda

4/26/2019 10:52:36 AM



Abundance Ion 91.00 (90.70 to 91.70): VN055250.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN055250.D (-3378) (-)



#76

1,3,5-Trimethylbenzene

Concen: 5.076 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055250.D

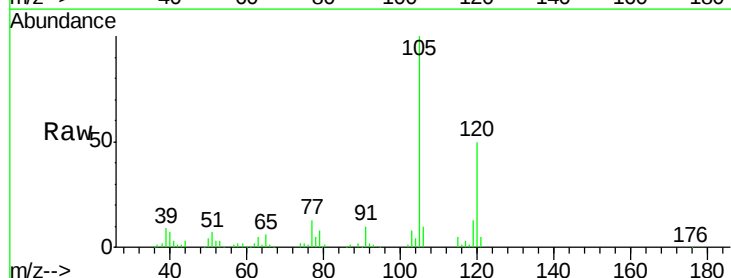
Acq: 25 Apr 2019 17:59

Tgt Ion: 105 Resp: 74384

Ion Ratio Lower Upper

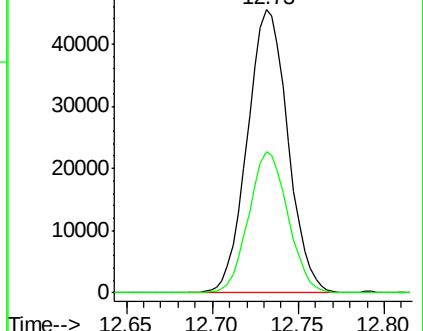
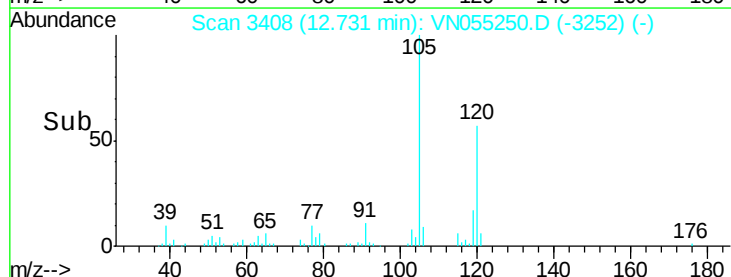
105 100

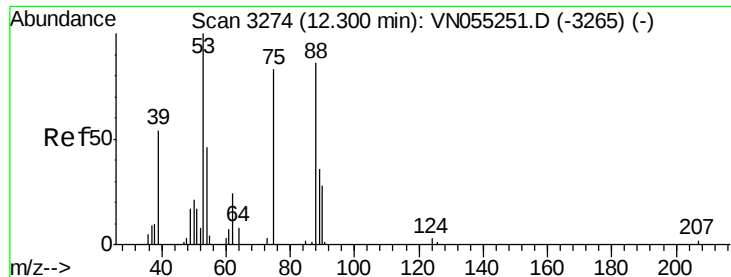
120 48.2 0.0 94.8



Abundance Ion 105.00 (104.70 to 105.70): VN055250.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN055250.D (-3393) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 5.689 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

Instrument :

MSVOA_N

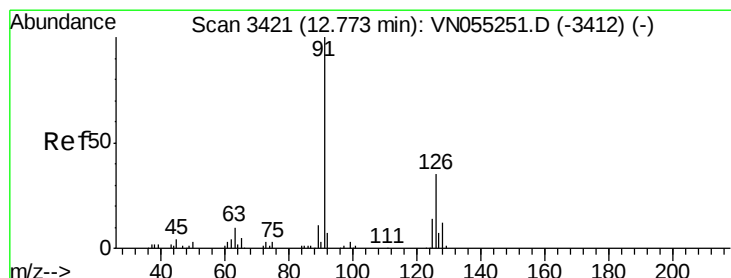
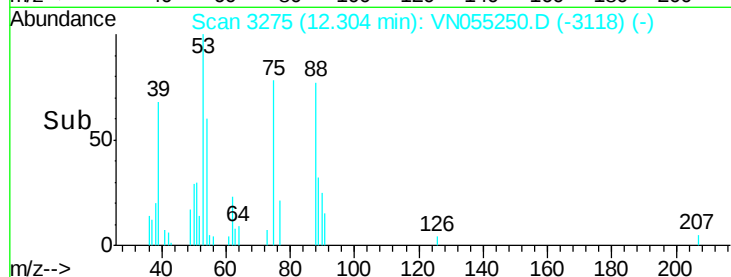
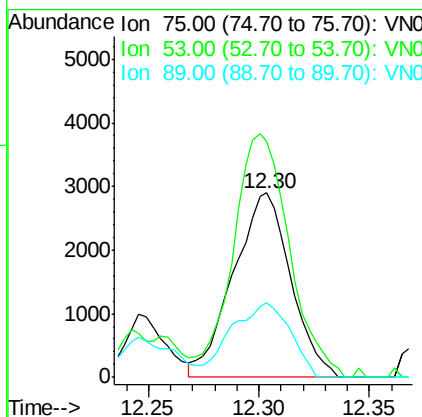
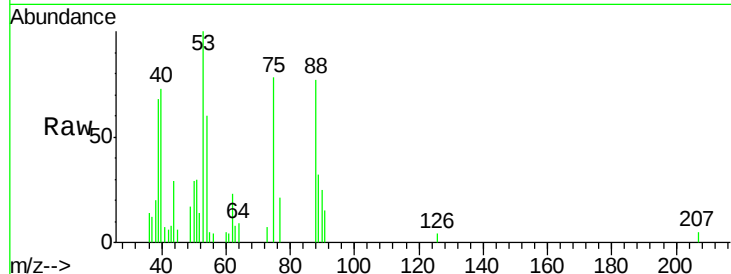
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	5238
Ion	Ratio	Lower	Upper
75	100		
53	122.5	59.5	178.5
89	40.4	23.1	69.2

Manual Integrations
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#78

4-Chlorotoluene

Concen: 4.441 ug/l

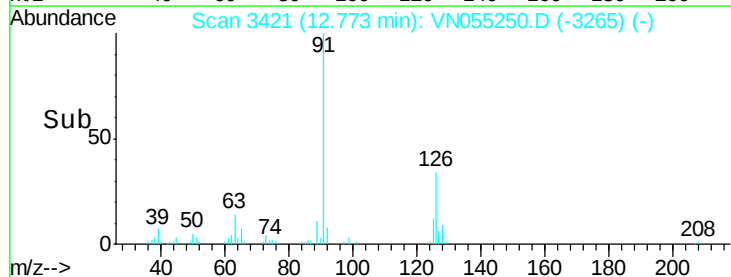
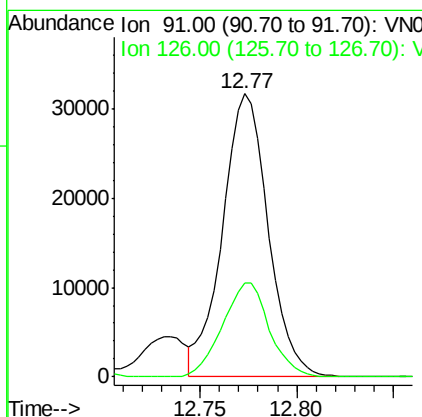
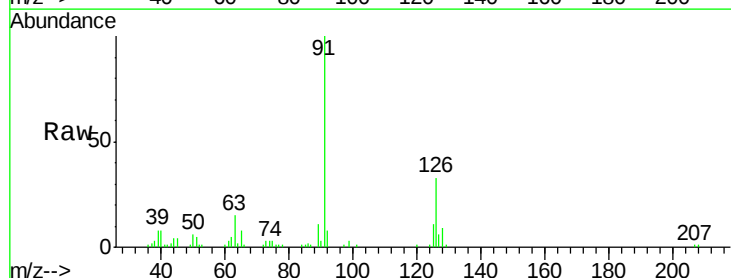
RT: 12.77 min Scan# 3421

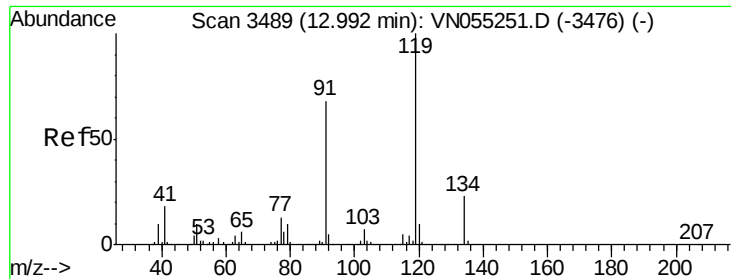
Delta R.T. 0.00 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

Tgt Ion:	91	Resp:	51987
Ion	Ratio	Lower	Upper
91	100		
126	34.0	0.0	66.8





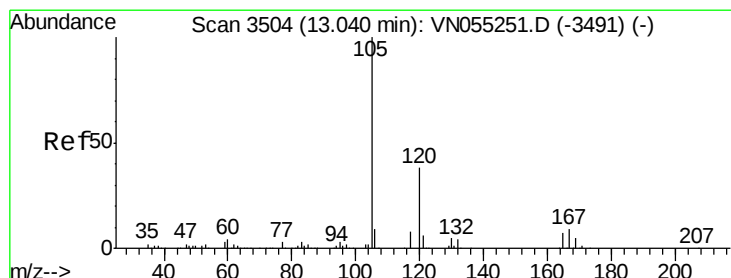
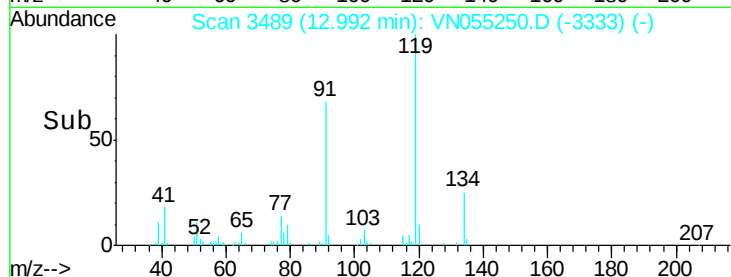
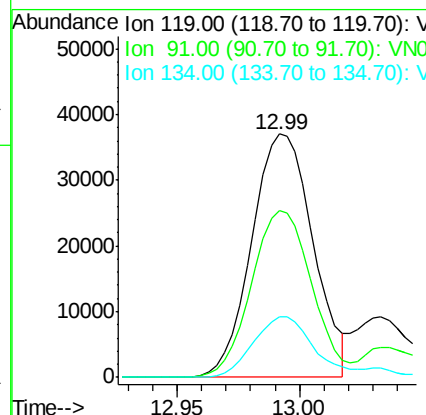
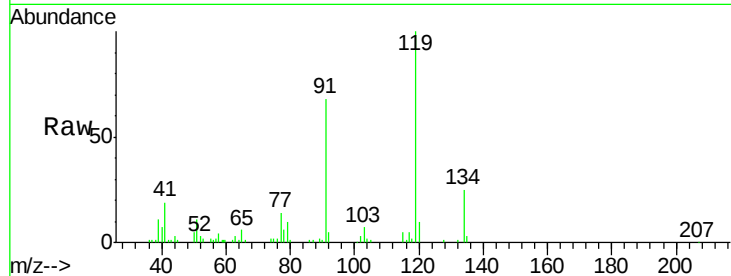
#79
tert-butylbenzene
Concen: 5.077 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055250.D
Acq: 25 Apr 2019 17:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.4	0.0	135.6
134	24.6	0.0	47.8

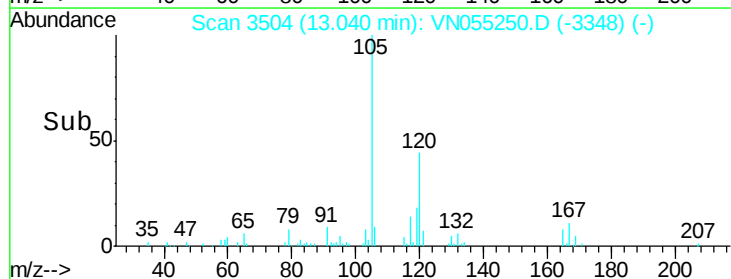
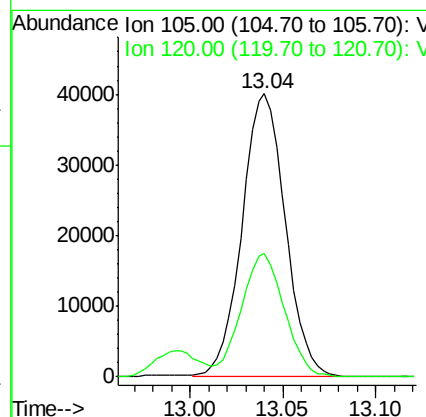
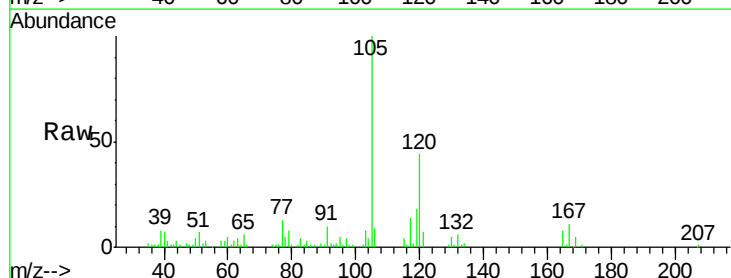
Manual Integrations
APPROVED

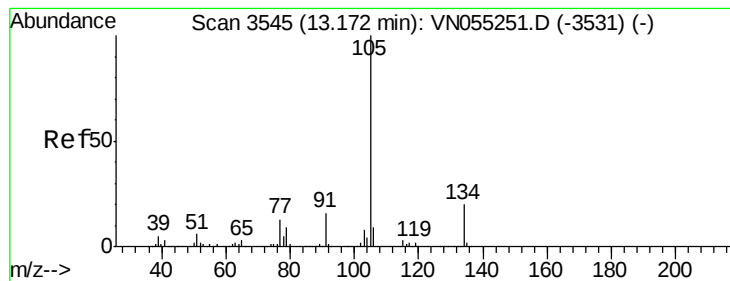
MMDadoda
4/26/2019 10:52:36 AM



#80
1,2,4-Trimethylbenzene
Concen: 4.514 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055250.D
Acq: 25 Apr 2019 17:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.4	0.0	88.6





#81

sec-Butylbenzene

Concen: 4.918 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 83133

Ion Ratio Lower Upper

105 100

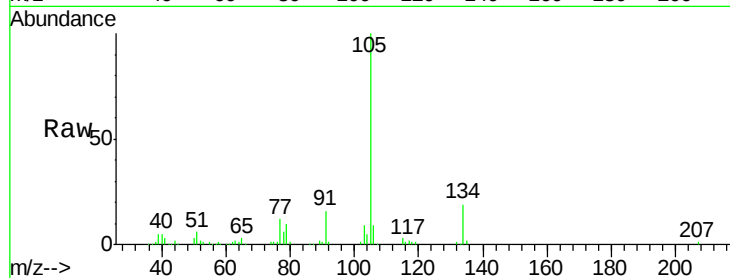
134 17.7 0.0 39.8

Manual Integrations

APPROVED

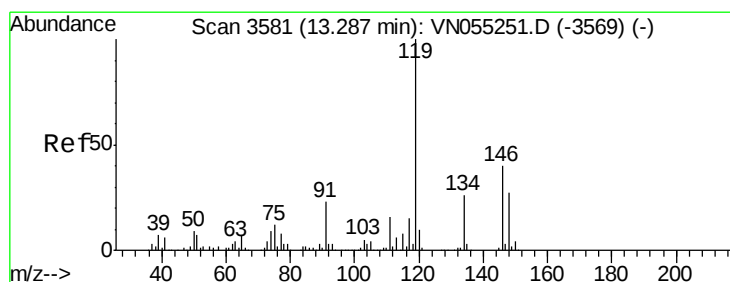
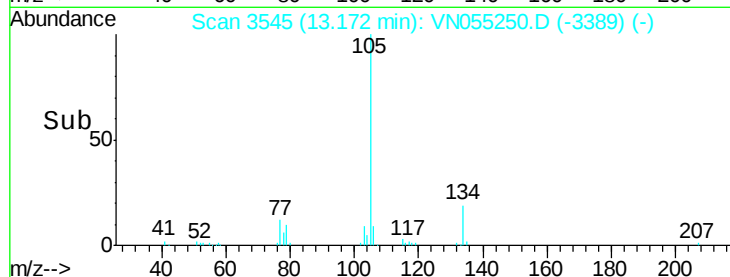
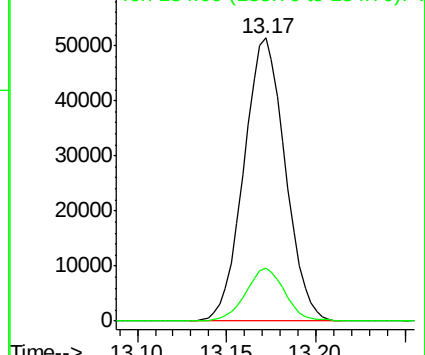
MMdadoda

4/26/2019 10:52:36 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 4.631 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

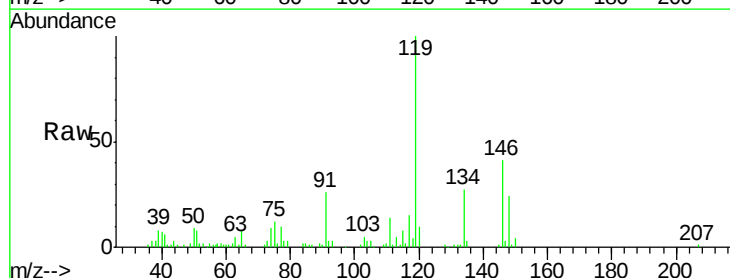
Tgt Ion:119 Resp: 65683

Ion Ratio Lower Upper

119 100

134 25.8 0.0 53.2

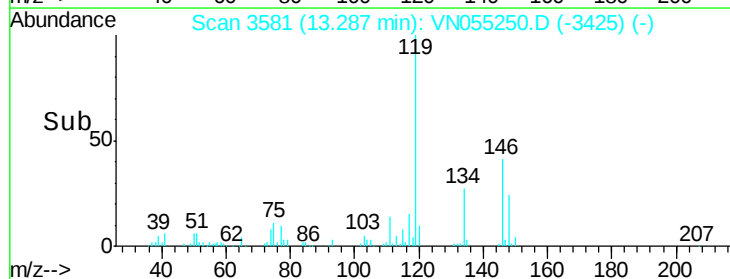
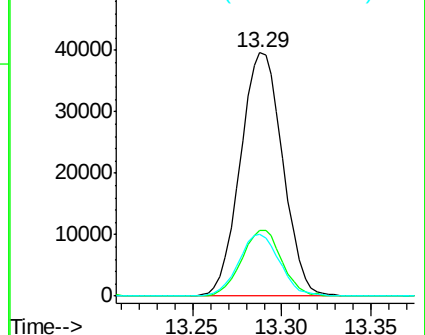
91 24.8 0.0 47.6

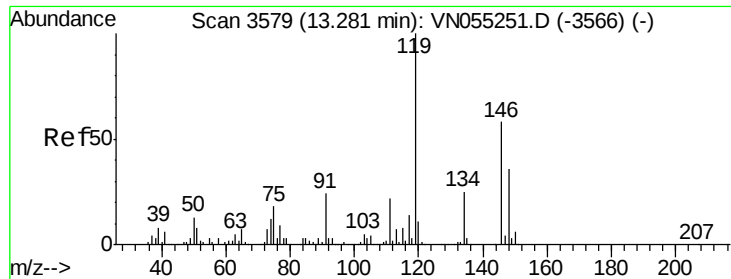


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





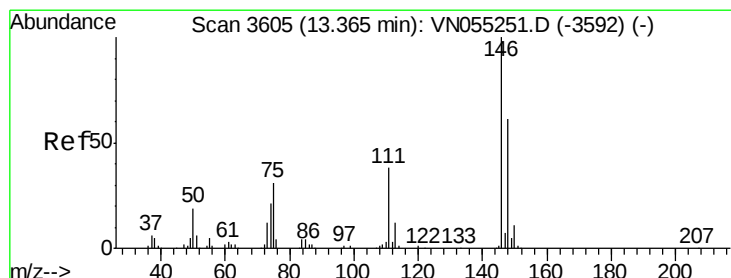
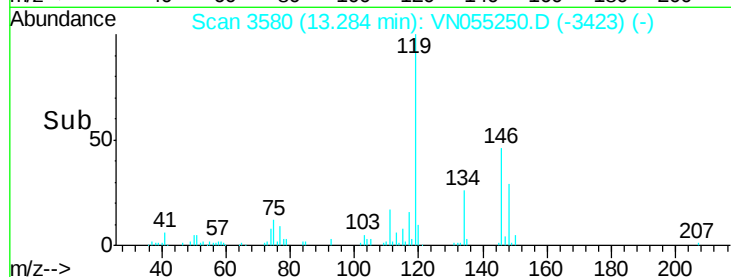
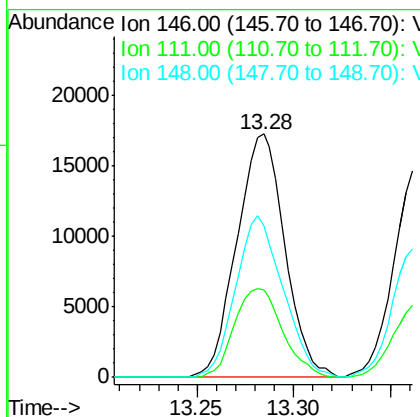
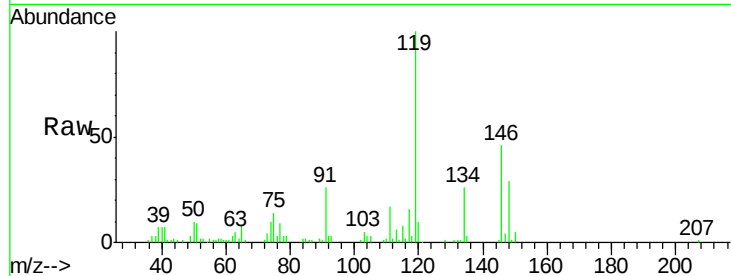
#83
 1,3-Dichlorobenzene
 Concen: 4.192 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN055250.D
 Acq: 25 Apr 2019 17:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	19.9	59.7
148	65.4	32.8	98.3

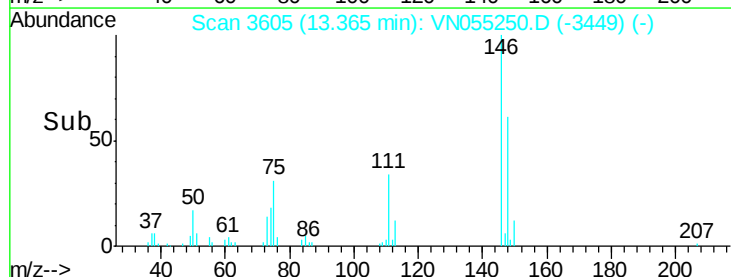
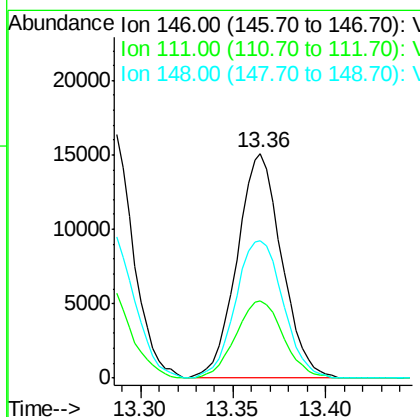
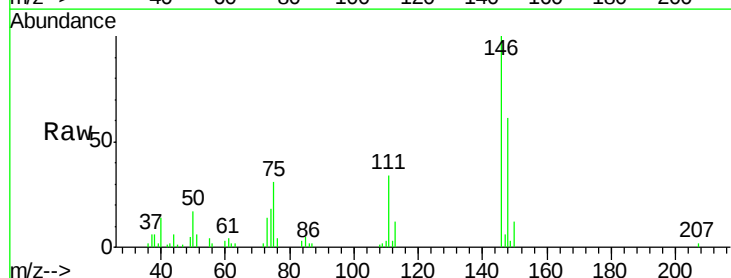
Manual Integrations
 APPROVED

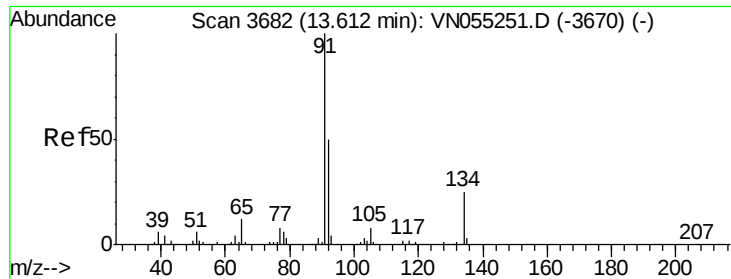
MMdadoda
 4/26/2019 10:52:36 AM



#84
 1,4-Dichlorobenzene
 Concen: 3.724 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN055250.D
 Acq: 25 Apr 2019 17:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.9	56.5
148	65.2	31.4	94.3





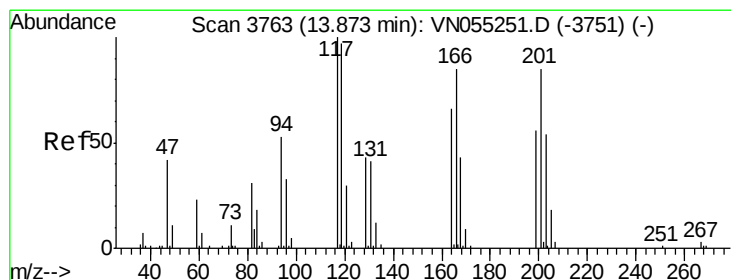
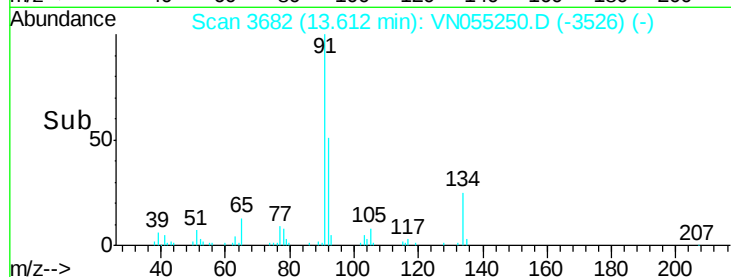
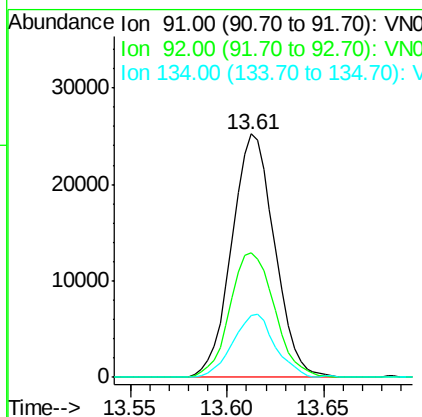
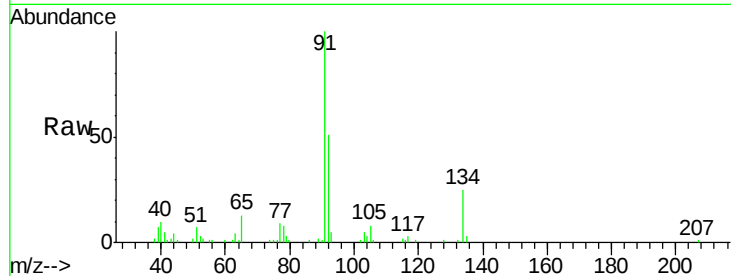
#85
n-Butylbenzene
Concen: 3.474 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055250.D
Acq: 25 Apr 2019 17:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.5	0.0	102.8
134	25.5	0.0	50.0

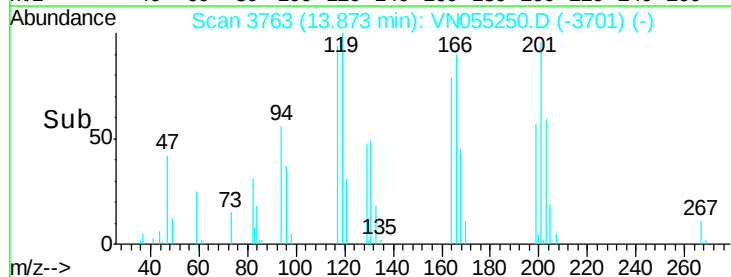
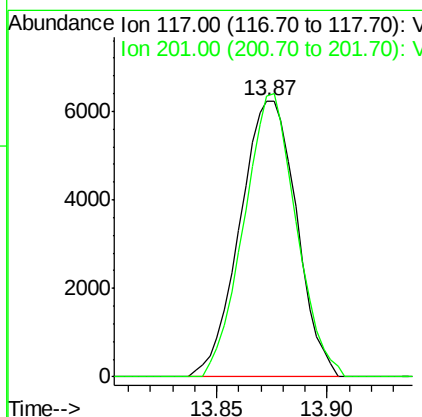
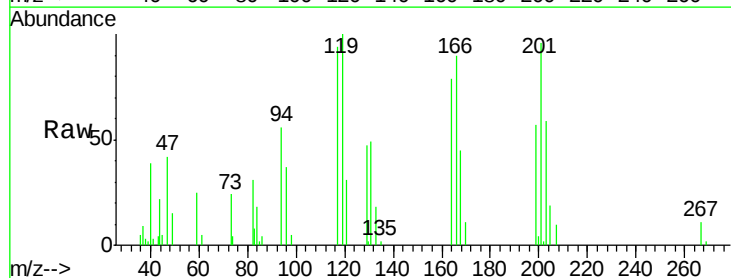
Manual Integrations
APPROVED

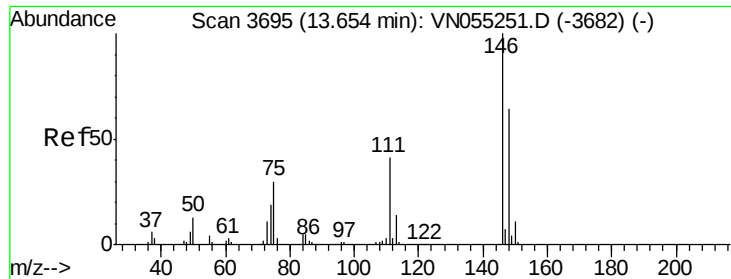
MMDadoda
4/26/2019 10:52:36 AM



#86
Hexachloroethane
Concen: 4.813 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055250.D
Acq: 25 Apr 2019 17:59

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.6	44.5	133.7





#87

1,2-Dichlorobenzene

Concen: 4.450 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

Instrument :

MSVOA_N

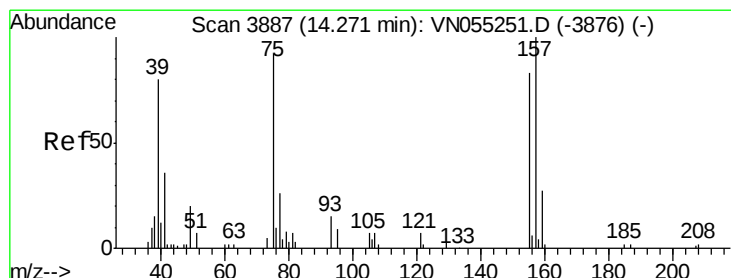
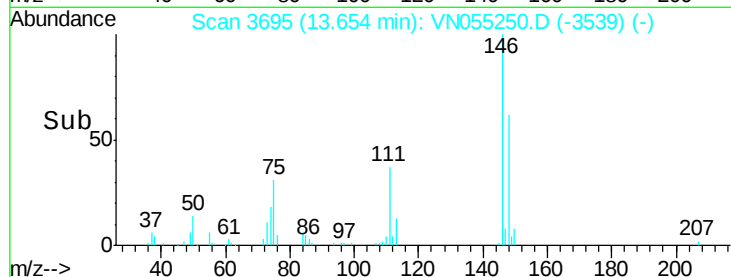
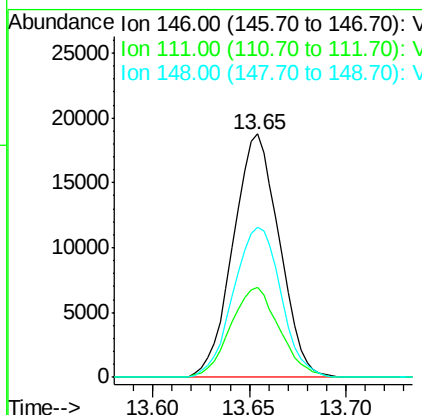
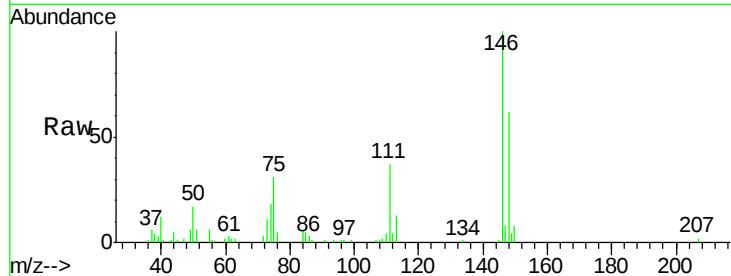
ClientSampled :

VSTDIC005

Tot Ion:	146	Resp:	31158
Ion Ratio	Lower	Upper	
146	100		
111	39.0	20.8	62.2
148	63.7	31.9	95.5

Manual Integrations
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4/26/2019 10:52:36 AM



#88

1,2-Dibromo-3-Chloropropane

Concen: 5.985 ug/l

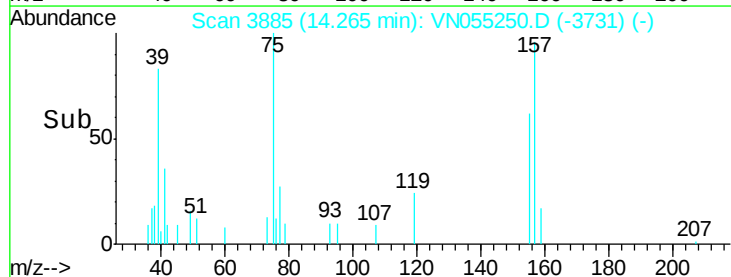
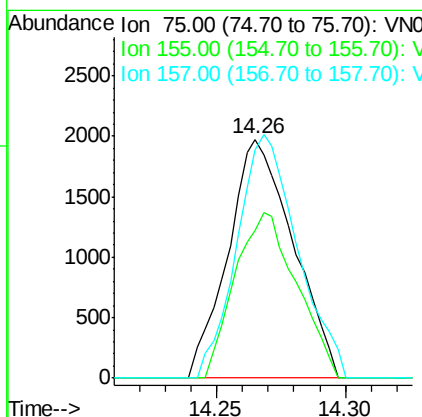
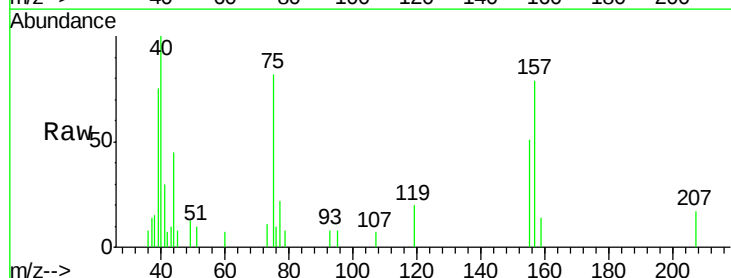
RT: 14.26 min Scan# 3885

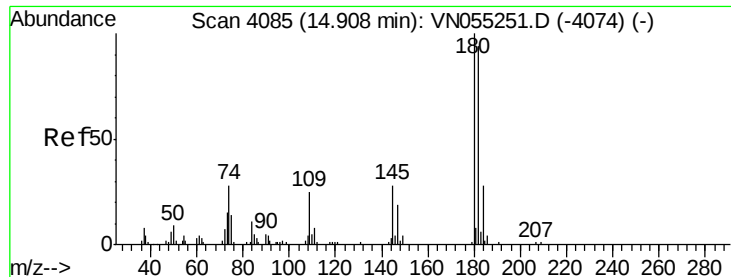
Delta R.T. -0.01 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

Tgt Ion:	75	Resp:	3480
Ion Ratio	Lower	Upper	
75	100		
155	65.9	70.4	105.6#
157	95.2	88.5	132.7





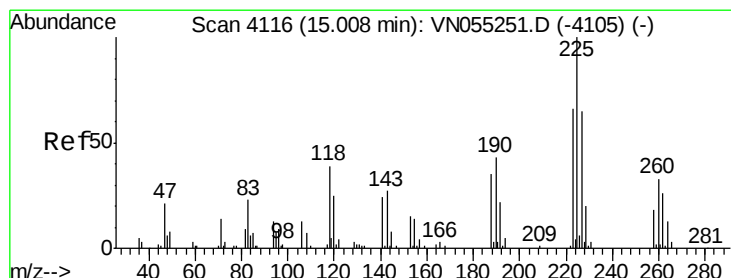
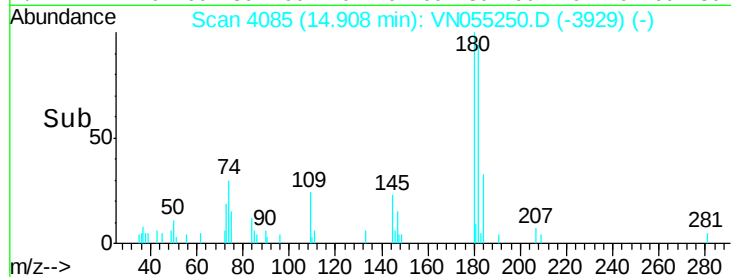
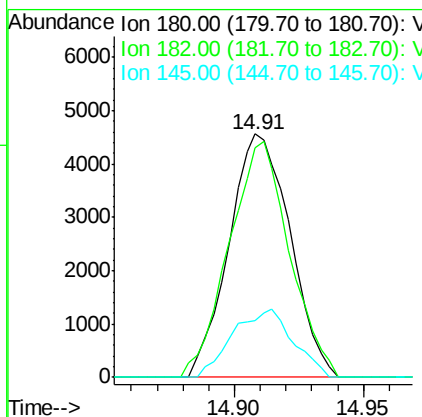
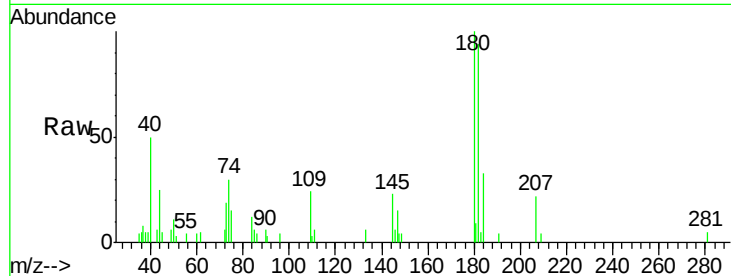
#89
 1,2,4-Trichlorobenzene
 Concen: 2.458 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055250.D
 Acq: 25 Apr 2019 17:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	74.8	112.2
145	27.6	23.2	34.8

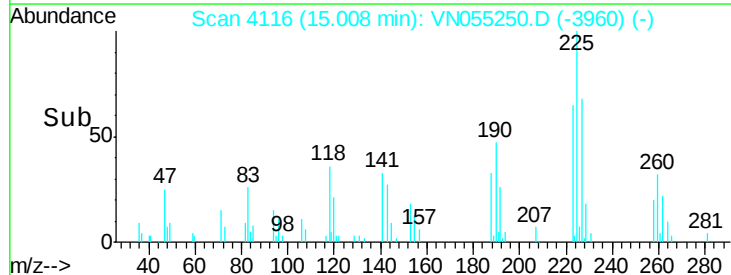
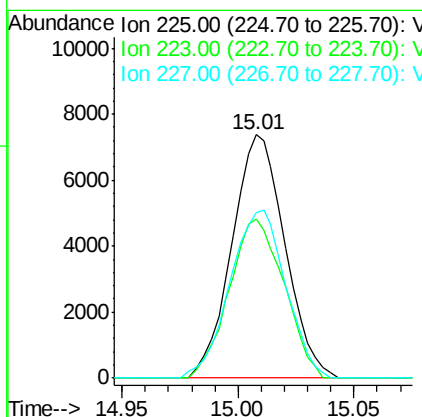
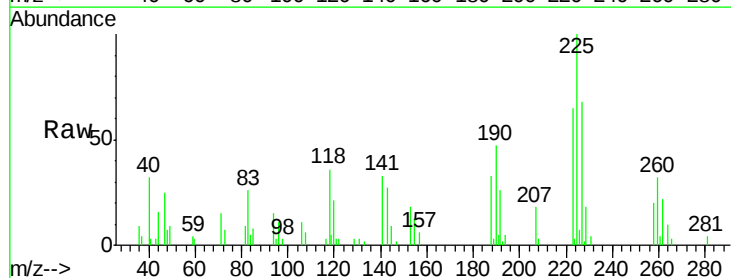
Manual Integrations
 APPROVED

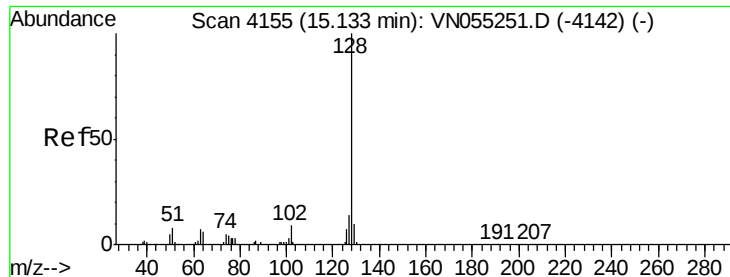
MMDadoda
 4/26/2019 10:52:36 AM



#90
 Hexachlorobutadiene
 Concen: 5.148 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055250.D
 Acq: 25 Apr 2019 17:59

Tgt Ion	Ratio	Lower	Upper
225	100		
223	67.9	0.0	125.2
227	72.8	0.0	128.4





#91

Naphthalene

Concen: 2.786 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

Instrument :

MSVOA_N

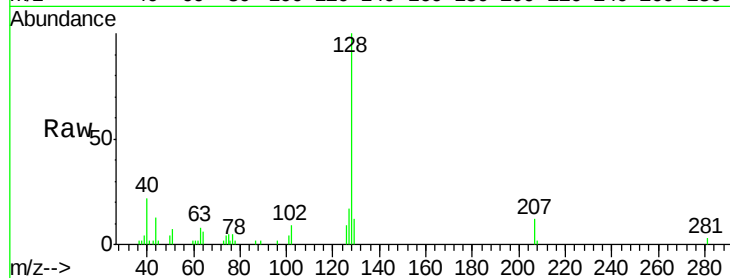
ClientSampled :

VSTDIC005

Tot Ion:	128	Resp:	18176
Ion Ratio	Lower	Upper	
128	100		
127	14.0	10.6	16.0
129	9.9	8.0	12.0

Manual Integrations
APPROVED

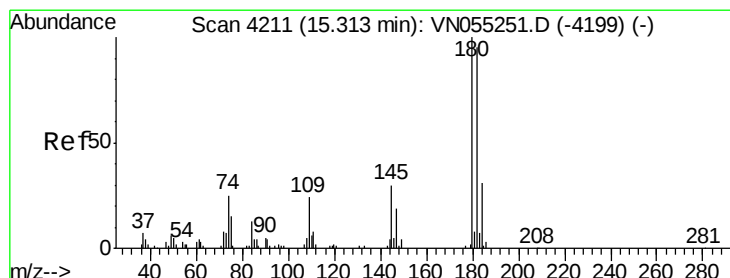
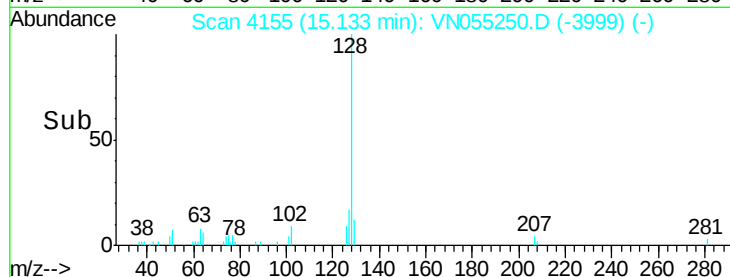
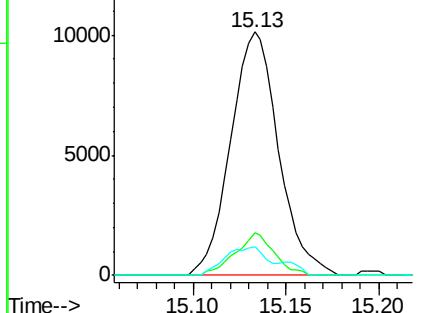
MMdadoda
4/26/2019 10:52:36 AM



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: 2.820 ug/l

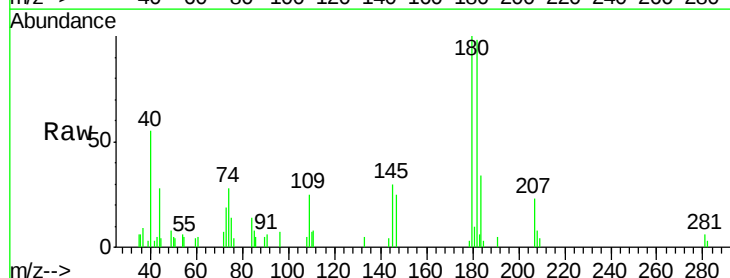
RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN055250.D

Acq: 25 Apr 2019 17:59

Tgt Ion:	180	Resp:	8679
Ion Ratio	Lower	Upper	
180	100		
182	99.2	0.0	188.0
145	30.8	0.0	60.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

