

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042619\
 Data File : VN055253.D
 Acq On : 25 Apr 2019 19:15
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMdadoda
 4/26/2019 10:52:51 AM

Quant Time: Apr 26 05:18:55 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	69956	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	387581	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	345555	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	164912	30.90	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.00%
60) 4-Bromofluorobenzene	12.40	95	164659	30.70	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	102.33%
63) Toluene-d8	10.09	98	476671	29.03	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	96.77%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	358859	89.372 ug/l	97
3) Chloromethane	2.06	50	497361	90.536 ug/l	94
4) Vinyl Chloride	2.18	62	411522	87.295 ug/l	99
5) Bromomethane	2.55	94	218260	80.204 ug/l	100
6) Chloroethane	2.69	64	226521	85.958 ug/l	99
7) Trichlorofluoromethane	3.01	101	604022	98.182 ug/l	95
8) Diethyl Ether	3.41	74	256995	123.798 ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.76	101	389640	111.945 ug/l	99
10) 1,1-Dichloroethene	3.73	96	363719	112.656 ug/l	100
11) Methyl Iodide	3.95	142	587375	118.961 ug/l	98
12) Methyl Acetate	4.33	43	532275	127.139 ug/l	96
13) Acrolein	3.61	56	111378	353.276 ug/l	94
14) Acrylonitrile	4.99	53	976388	586.554 ug/l	100
15) Acetone	3.82	58	225140	566.985 ug/l	98
16) Carbon Disulfide	4.05	76	1013602	97.399 ug/l	98
17) Allyl chloride	4.32	41	817309	106.331 ug/l	99
18) Methylene Chloride	4.55	84	439487	94.799 ug/l	94
19) trans-1,2-Dichloroethene	5.04	96	390644	96.102 ug/l	95
20) Diisopropyl ether	5.96	45	1619623	102.243 ug/l	99
21) 1,1-Dichloroethane	5.85	63	832075	99.418 ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	460347	97.952 ug/l	97
23) tert-Butyl Alcohol	4.79	59	201192	721.637 ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	1211039	111.780 ug/l	100
25) Chloroform	7.37	83	788942	98.898 ug/l	98
26) Cyclohexane	7.65	56	730843	95.883 ug/l	# 97
29) 1,1-Dichloropropene	7.79	75	595485	97.866 ug/l	99
30) 2-Butanone	6.84	43	1231408	581.248 ug/l	100
31) 2,2-Dichloropropane	6.83	77	557818	98.361 ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	654658	100.283 ug/l	100
33) Carbon Tetrachloride	7.78	117	553134	98.861 ug/l	98
34) Benzene	8.04	78	1766181	97.416 ug/l	# 90
35) Methacrylonitrile	7.17	41	272640	106.814 ug/l	98
36) 1,2-Dichloroethane	8.13	62	616040	98.493 ug/l	100
37) Trichloroethene	8.84	130	437183	95.159 ug/l	97
38) Methylcyclohexane	9.08	83	636754	91.903 ug/l	97
39) 1,2-Dichloropropane	9.12	63	501230	99.093 ug/l	99
40) Dibromomethane	9.21	93	286703	99.716 ug/l	99

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Manual Integrations
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	603185	102.298	ug/l	95
42) Vinyl Acetate	5.90	43	5914068	557.185	ug/l	99
43) Ethyl Acetate	6.93	43	512440	115.549	ug/l	94
44) Isopropyl Acetate	8.17	43	920287	120.662	ug/l	95
45) 1,4-Dioxane	9.20	88	100627	2441.729	ug/l	98
46) Methyl methacrylate	9.20	41	455855	118.302	ug/l	99
47) n-amyl Acetate	12.07	43	737204	134.859	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	630269	113.722	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	710767	105.800	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	396861	101.357	ug/l	98
51) Ethyl methacrylate	10.43	69	571762	119.151	ug/l	99
52) 1,3-Dichloropropane	10.71	76	709475	103.658	ug/l	99
53) Dibromochloromethane	10.90	129	436898	108.338	ug/l	99
54) 1,2-Dibromoethane	11.01	107	395209	106.677	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	959017	517.970	ug/l	99
56) Bromoform	12.13	173	293057	113.508	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	2642806	610.142	ug/l	99
59) 2-Hexanone	10.75	43	1696572	620.679	ug/l	98
61) Tetrachloroethene	10.63	164	410390	90.469	ug/l	98
62) Toluene	10.16	91	1822994	94.715	ug/l	97
64) Chlorobenzene	11.43	112	1121881	97.111	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.51	131	414006	99.363	ug/l	98
66) Ethyl Benzene	11.51	91	2008267	97.650	ug/l	100
67) m/p-Xylenes	11.62	106	1476846	193.572	ug/l	98
68) o-Xylene	11.95	106	734470	96.698	ug/l	95
69) Styrene	11.96	104	1180768	100.889	ug/l	100
70) Isopropylbenzene	12.25	105	1940950	96.258	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	530454	110.569	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	444809m	112.427	ug/l	
73) Bromobenzene	12.53	156	470957	98.947	ug/l	99
74) n-propylbenzene	12.59	91	2226055	99.104	ug/l	100
75) 2-Chlorotoluene	12.67	91	1344584	98.753	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	1608271	98.911	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	137098	134.202	ug/l	89
78) 4-Chlorotoluene	12.77	91	1340768	103.233	ug/l	99
79) tert-butylbenzene	12.99	119	1375006	97.497	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	1612668	100.544	ug/l	100
81) sec-Butylbenzene	13.17	105	1846258	98.448	ug/l	99
82) p-Isopropyltoluene	13.29	119	1569582	99.746	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	812749	103.041	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	801637	106.913	ug/l	100
85) n-Butylbenzene	13.61	91	1342774	108.359	ug/l	100
86) Hexachloroethane	13.87	117	271395	106.078	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	800683	103.059	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	84180	130.491	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	382157	112.671	ug/l	99
90) Hexachlorobutadiene	15.01	225	256300	101.785	ug/l	99
91) Naphthalene	15.13	128	880526	121.652	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	376426	110.248	ug/l	97

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ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
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QLast Update : Fri Apr 26 04:33:00 2019
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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

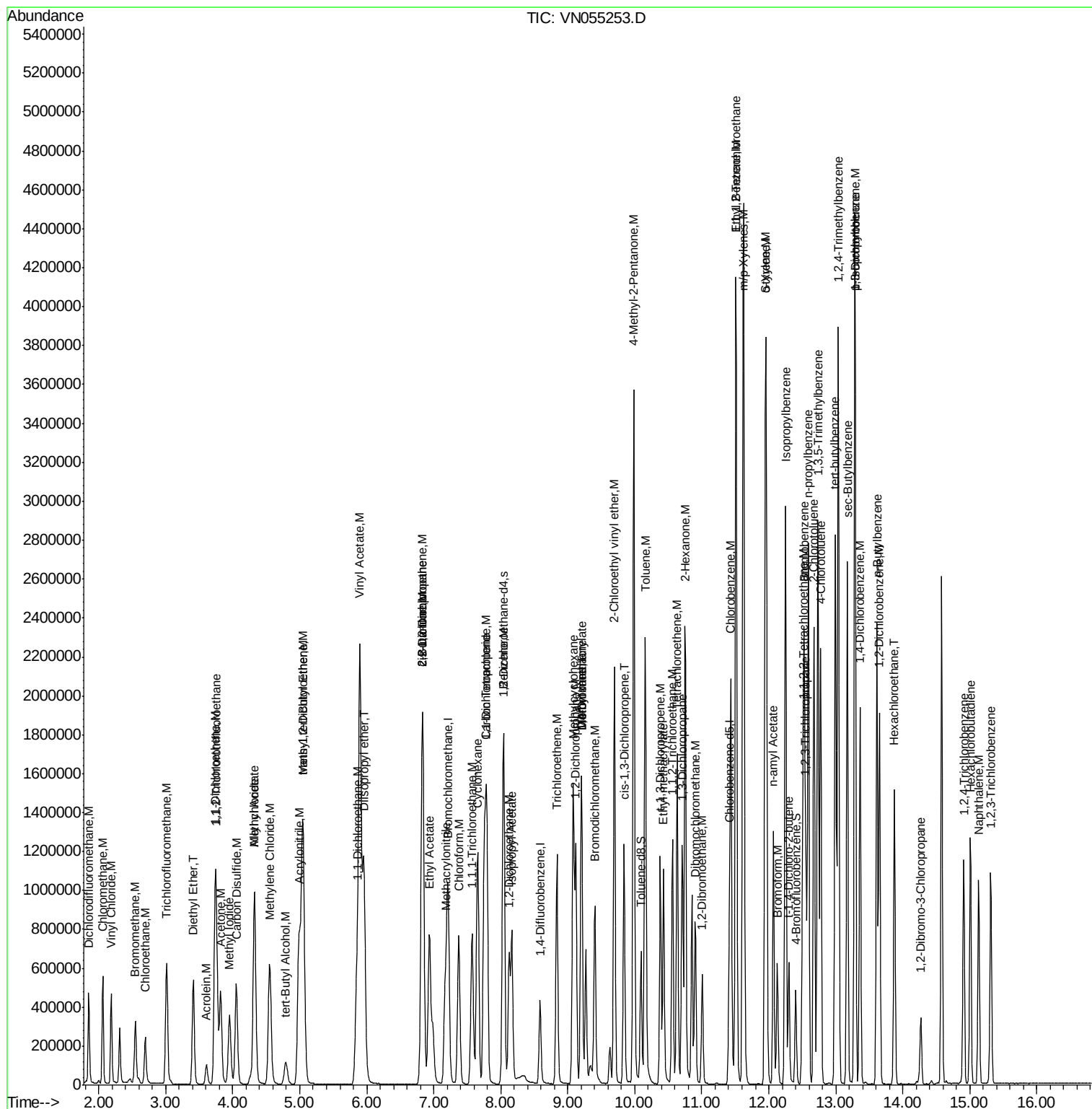
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042619\
Data File : VN055253.D
Acq On : 25 Apr 2019 19:15
Operator : JC/SP
Sample : VSTDIC100
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 6 Sample Multiplier: 1

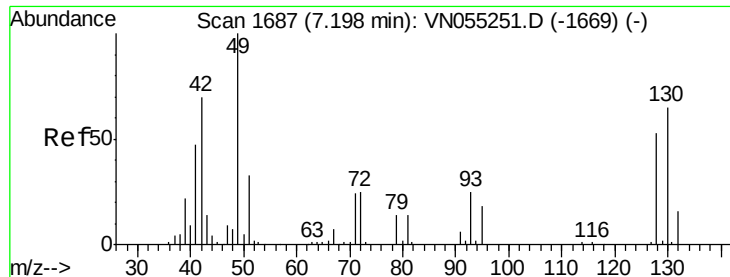
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

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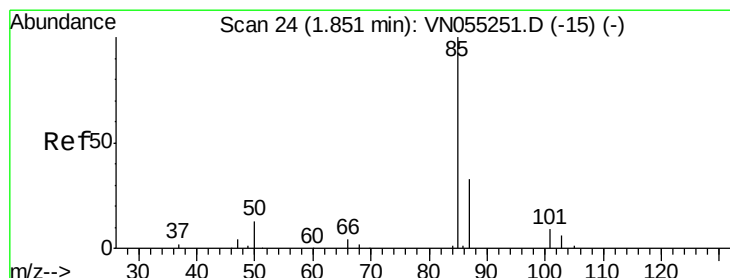
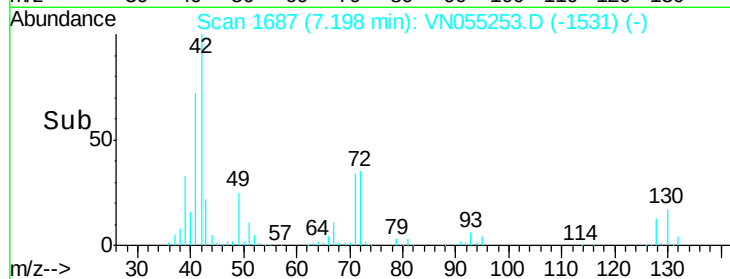
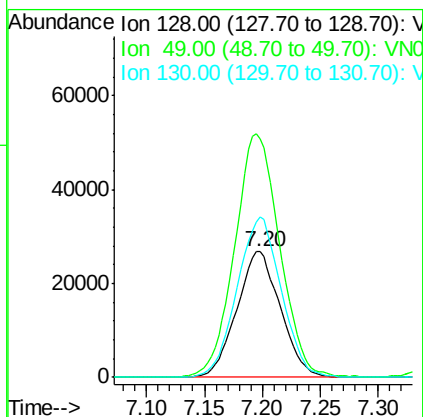
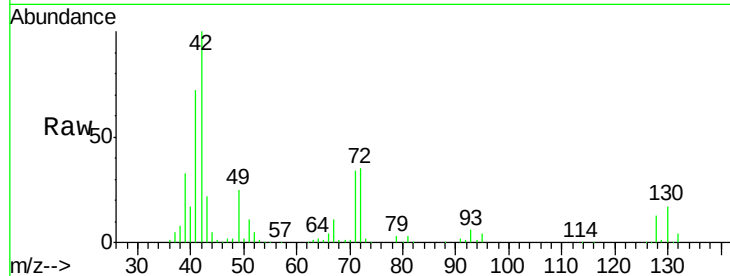
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN055253.D
 Acq: 25 Apr 2019 19:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
49	200.2	0.0	485.0
130	129.2	0.0	324.7

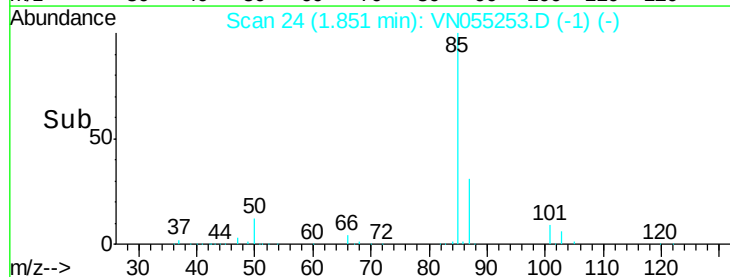
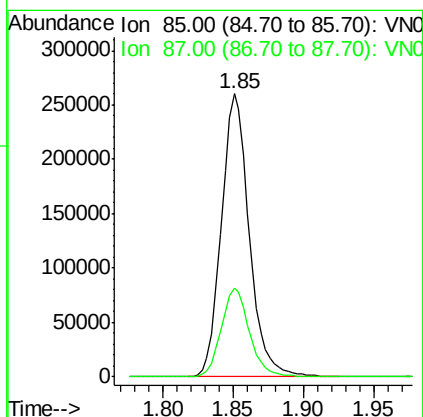
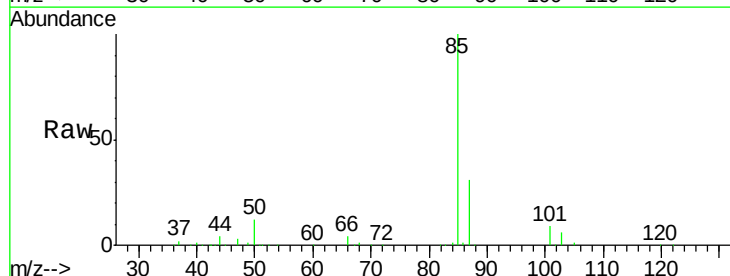
Manual Integrations
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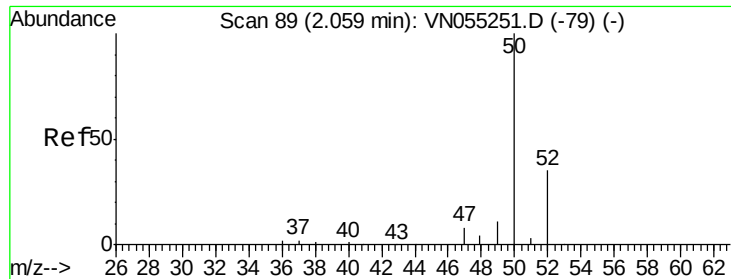
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#2
 Dichlorodifluoromethane
 Concen: 89.372 ug/l
 RT: 1.85 min Scan# 24
 Delta R.T. 0.00 min
 Lab File: VN055253.D
 Acq: 25 Apr 2019 19:15

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.3	16.6	49.7





#3

Chloromethane

Concen: 90.536 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055253.D

Acq: 25 Apr 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion: 50 Resp: 497361

Ion Ratio Lower Upper

50 100

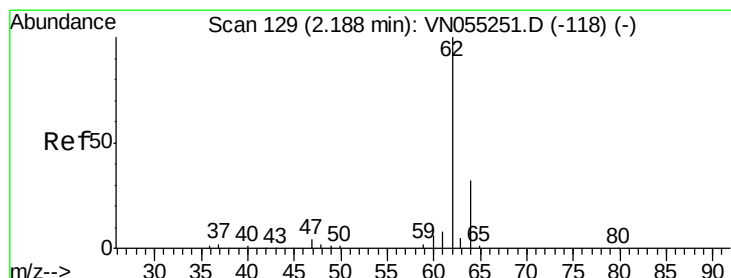
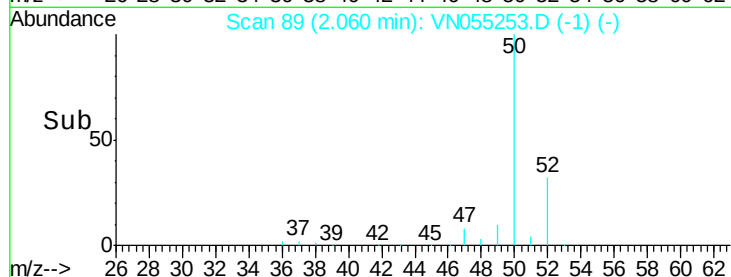
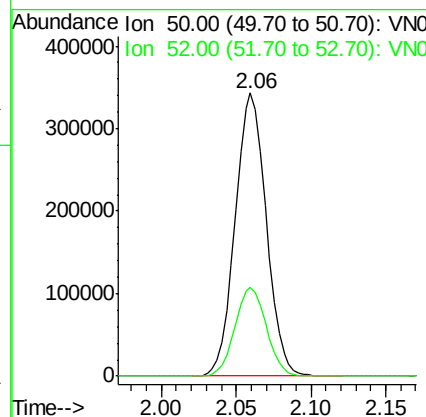
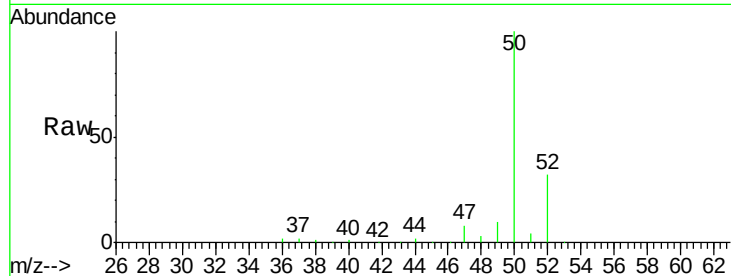
52 31.5 27.9 41.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 87.295 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN055253.D

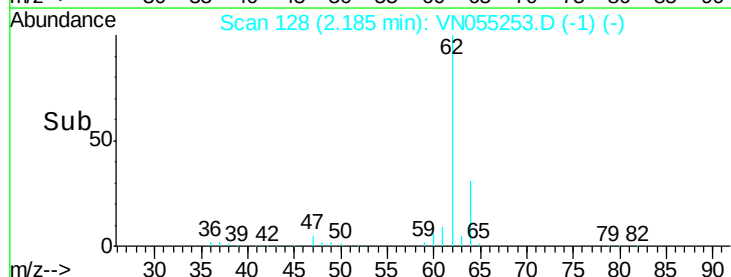
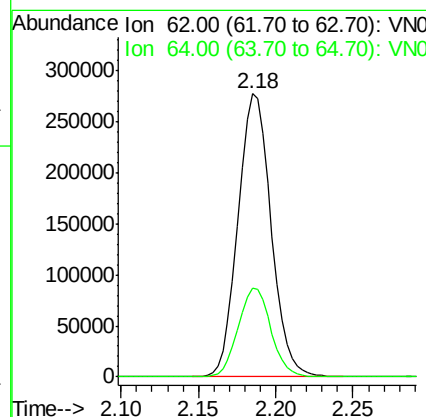
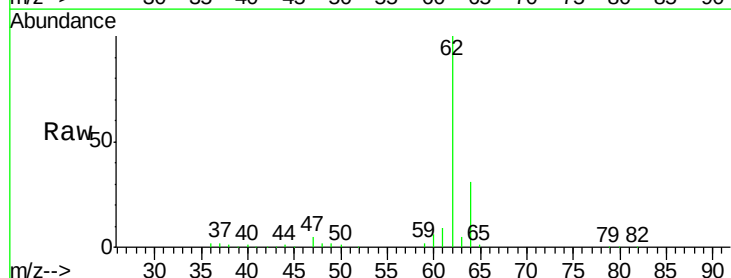
Acq: 25 Apr 2019 19:15

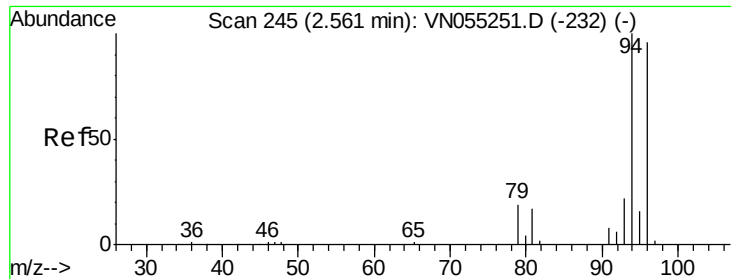
Tgt Ion: 62 Resp: 411522

Ion Ratio Lower Upper

62 100

64 31.3 25.6 38.4





#5

Bromomethane

Concen: 80.204 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.02 min

Lab File: VN055253.D

Acq: 25 Apr 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion: 94 Resp: 218260

Ion Ratio Lower Upper

94 100

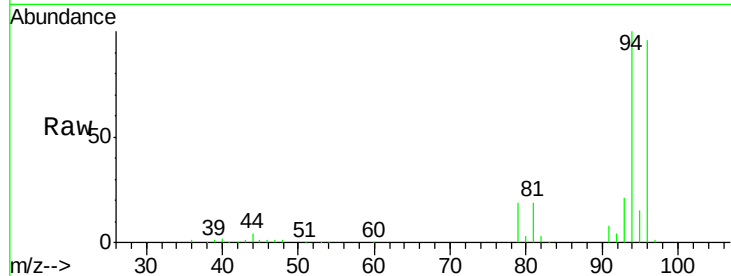
96 96.0 77.0 115.6

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

120000

100000

80000

60000

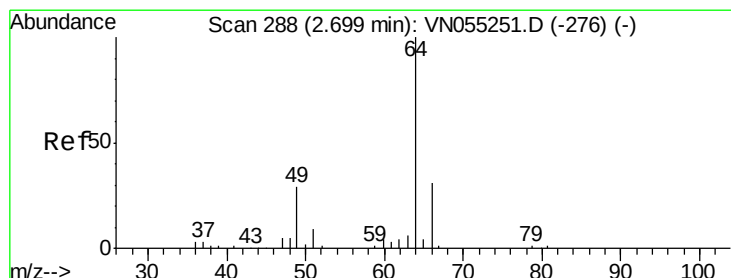
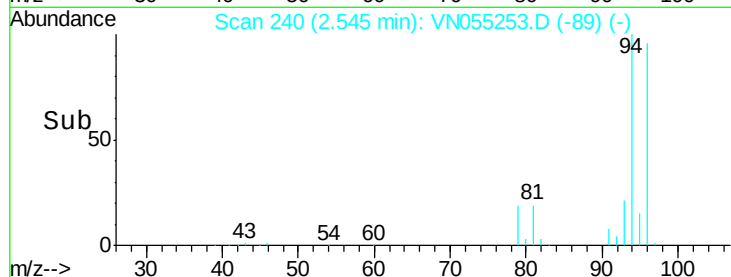
40000

20000

0

2.50 2.55 2.60

Time-->



#6

Chloroethane

Concen: 85.958 ug/l

RT: 2.69 min Scan# 286

Delta R.T. -0.01 min

Lab File: VN055253.D

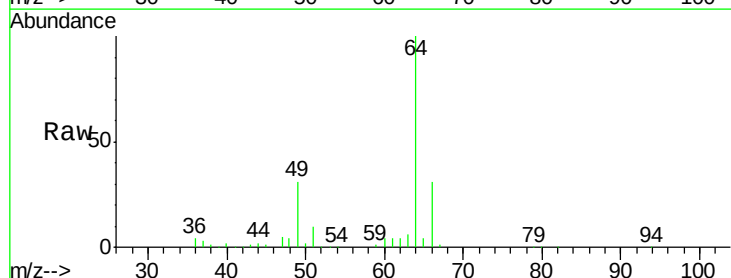
Acq: 25 Apr 2019 19:15

Tgt Ion: 64 Resp: 226521

Ion Ratio Lower Upper

64 100

66 31.3 24.6 36.8



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

120000

100000

80000

60000

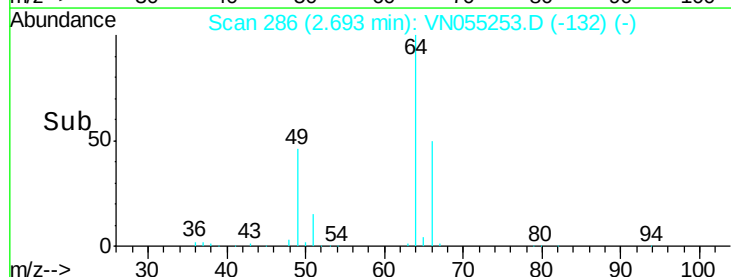
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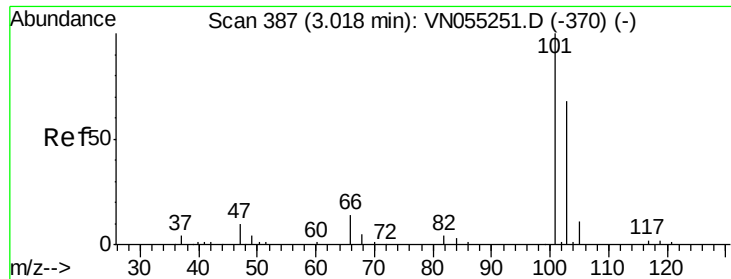
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0

2.60 2.70 2.80

Time-->





#7

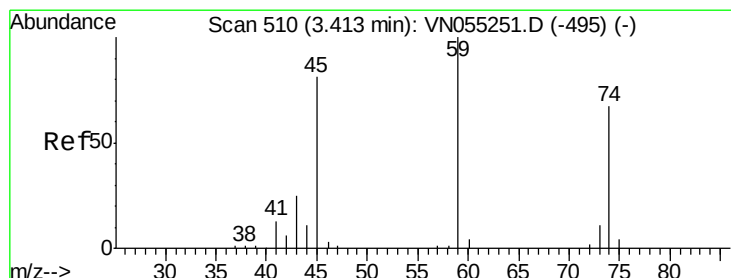
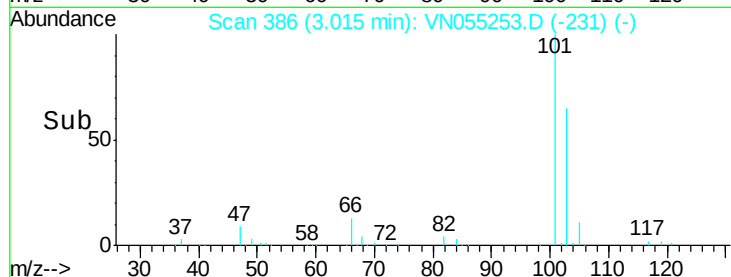
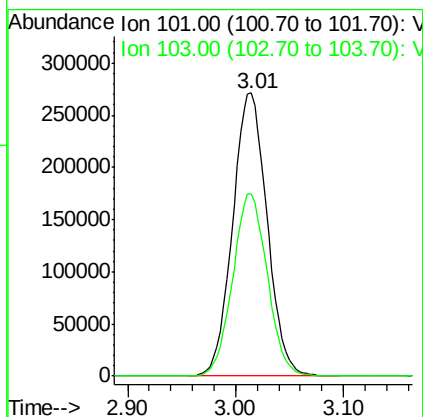
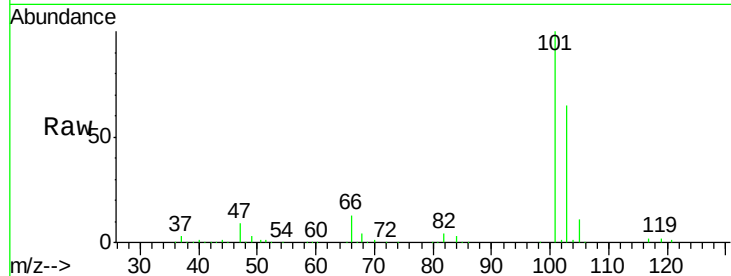
Trichlorofluoromethane
Concen: 98.182 ug/l
RT: 3.01 min Scan# 386
Delta R.T. -0.00 min
Lab File: VN055253.D
Acq: 25 Apr 2019 19:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	54.6	81.8

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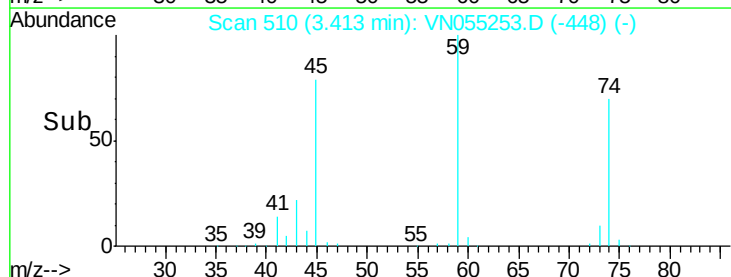
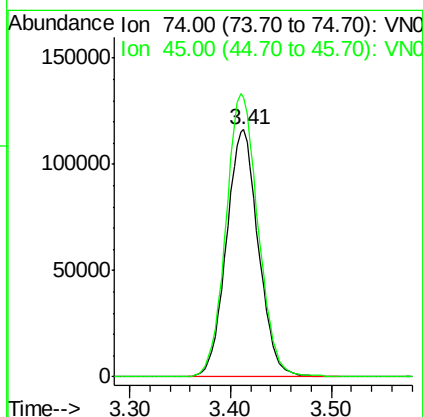
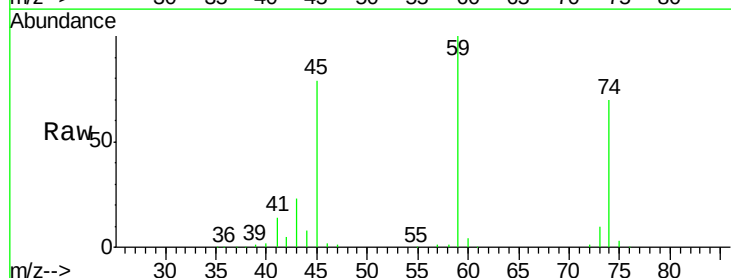
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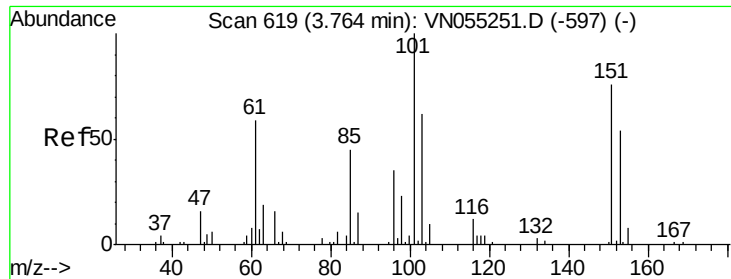


#8

Diethyl Ether
Concen: 123.798 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN055253.D
Acq: 25 Apr 2019 19:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	114.7	25.1	225.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 111.945 ug/l

RT: 3.76 min Scan# 617

Delta R.T. -0.01 min

Lab File: VN055253.D

Acq: 25 Apr 2019 19:15

Instrument :

MSVOA_N

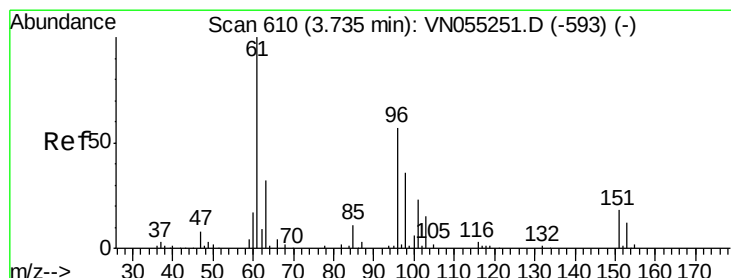
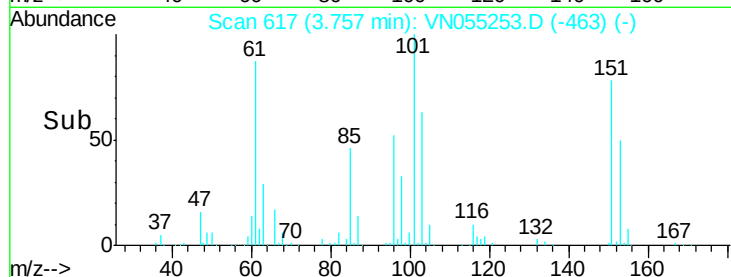
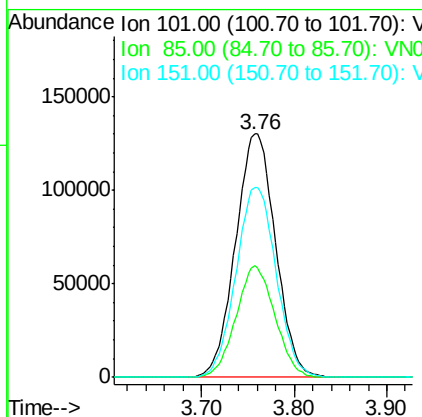
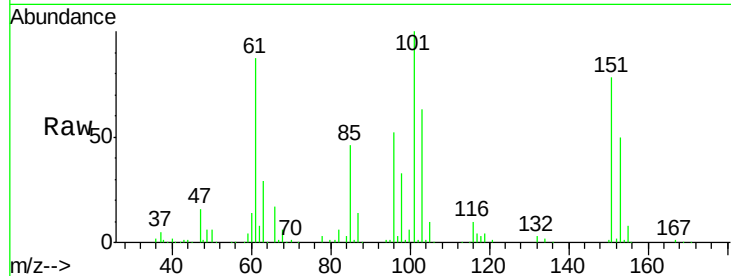
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	389640
Ion Ratio	Lower	Upper	
101	100		
85	44.6	0.0	89.0
151	78.6	0.0	154.4

Manual Integrations
APPROVED

MMdadoda
4/26/2019 10:52:51 AM



#10

1,1-Dichloroethene

Concen: 112.656 ug/l

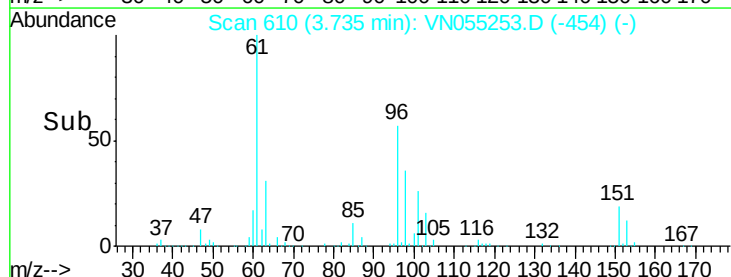
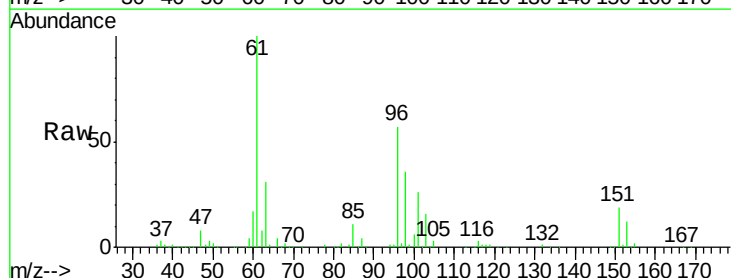
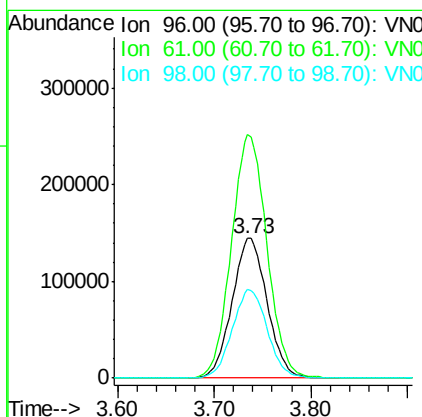
RT: 3.73 min Scan# 610

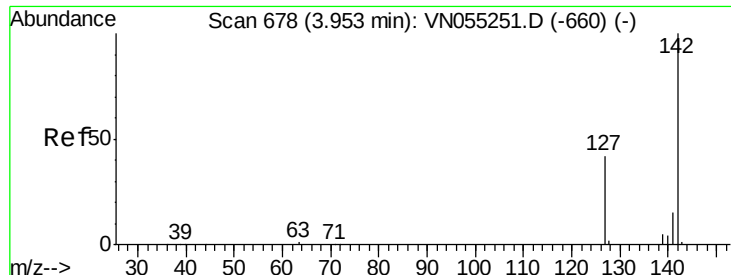
Delta R.T. 0.00 min

Lab File: VN055253.D

Acq: 25 Apr 2019 19:15

Tgt Ion:	96	Resp:	363719
Ion Ratio	Lower	Upper	
96	100		
61	174.3	139.9	209.9
98	63.5	50.8	76.2





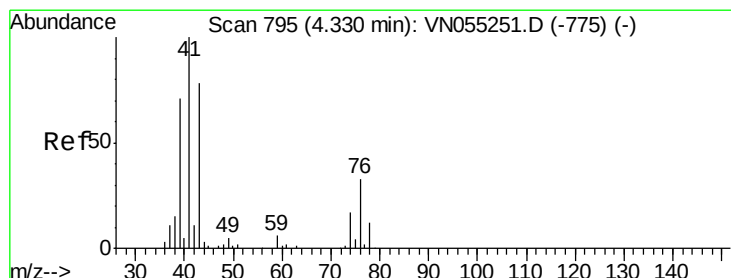
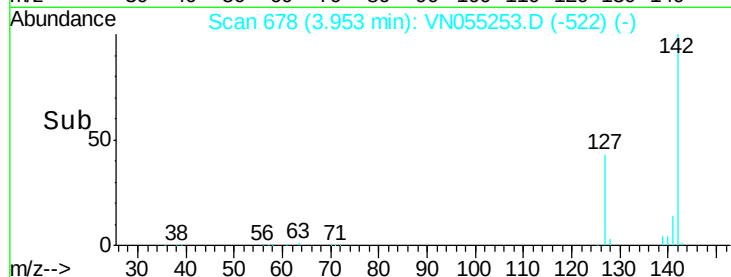
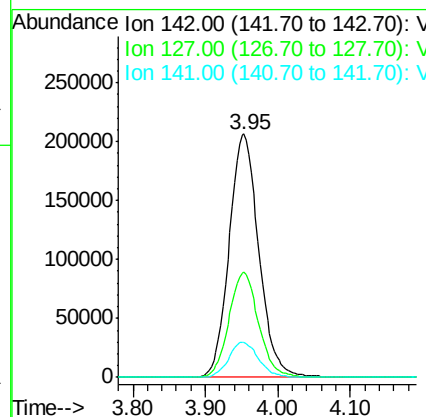
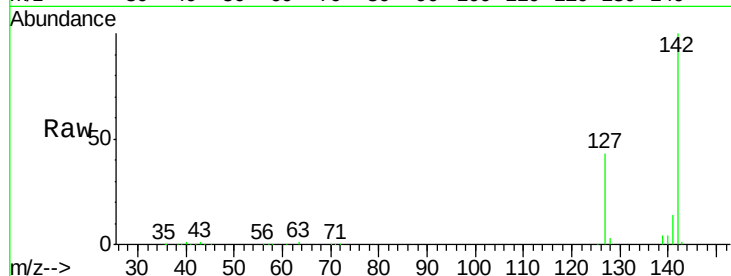
#11
Methyl Iodide
Concen: 118.961 ug/l
RT: 3.95 min Scan# 678
Delta R.T. 0.00 min
Lab File: VN055253.D
Acq: 25 Apr 2019 19:15

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
142	100		
127	43.2	20.9	62.7
141	14.1	7.6	22.8

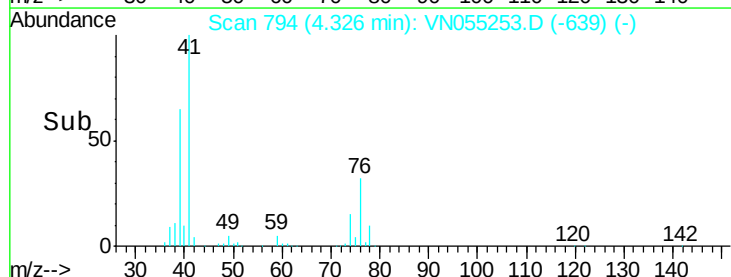
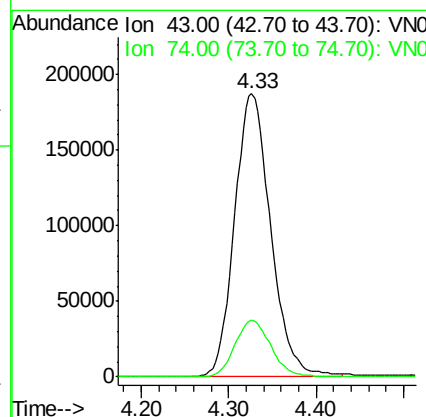
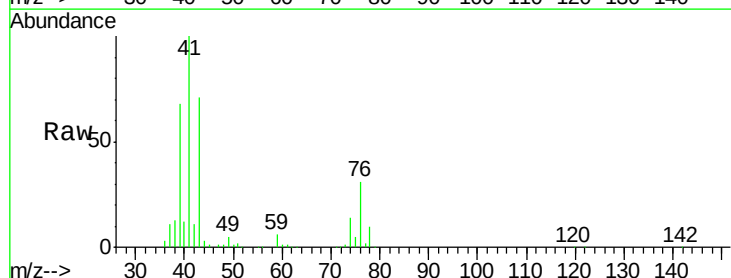
Manual Integrations
APPROVED

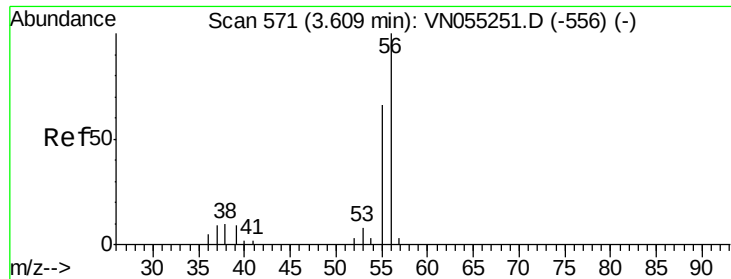
MMdadoda
4/26/2019 10:52:51 AM



#12
Methyl Acetate
Concen: 127.139 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN055253.D
Acq: 25 Apr 2019 19:15

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.2	17.7	26.5





#13

Acrolein

Concen: 353.276 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN055253.D

Acq: 25 Apr 2019 19:15

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 56 Resp: 111378

Ion Ratio Lower Upper

56 100

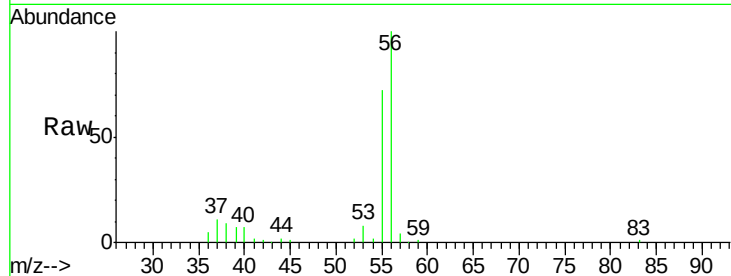
55 73.1 54.9 82.3

Manual Integrations

APPROVED

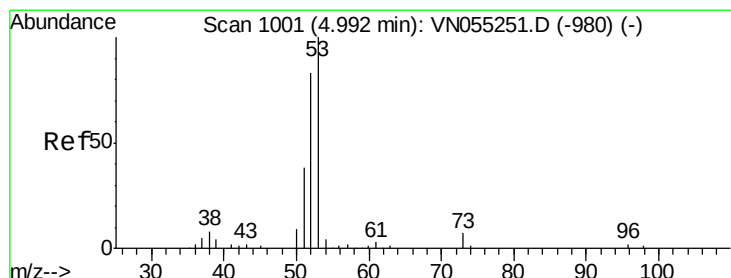
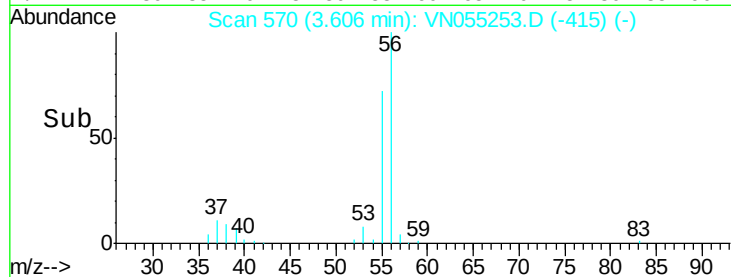
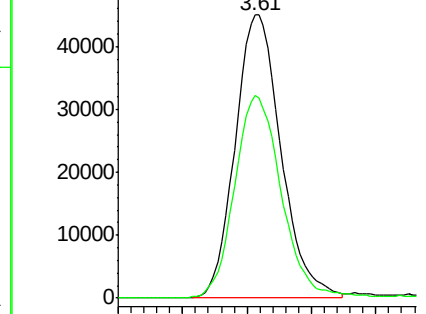
MMdadoda

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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: 586.554 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN055253.D

Acq: 25 Apr 2019 19:15

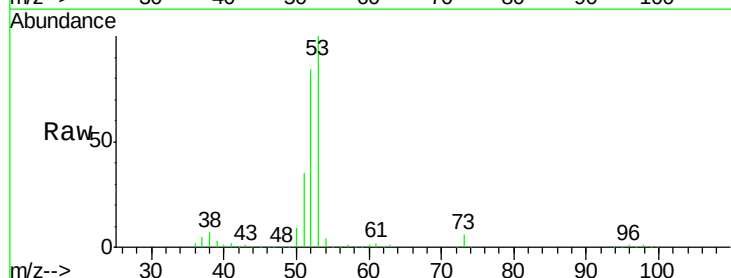
Tgt Ion: 53 Resp: 976388

Ion Ratio Lower Upper

53 100

52 81.6 41.0 123.2

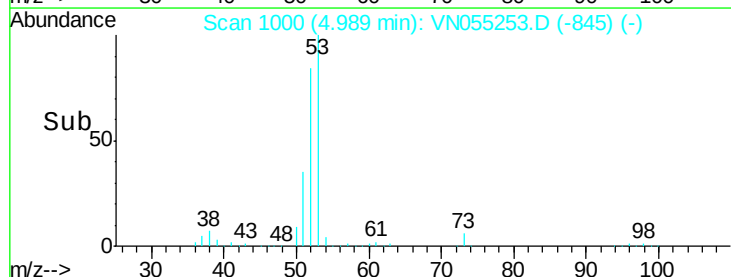
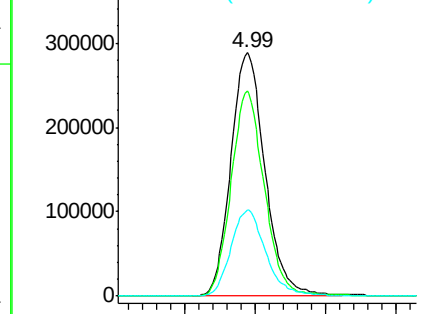
51 36.3 18.1 54.4

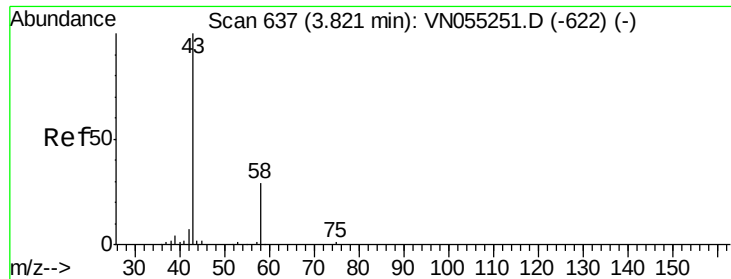


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 566.985 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN055253.D

Acq: 25 Apr 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 58 Resp: 225140

Ion Ratio Lower Upper

58 100

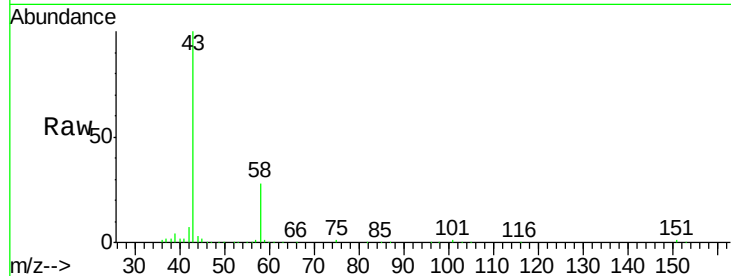
43 352.8 278.2 417.2

Manual Integrations

APPROVED

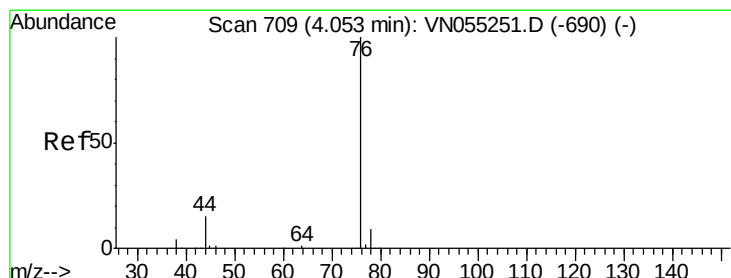
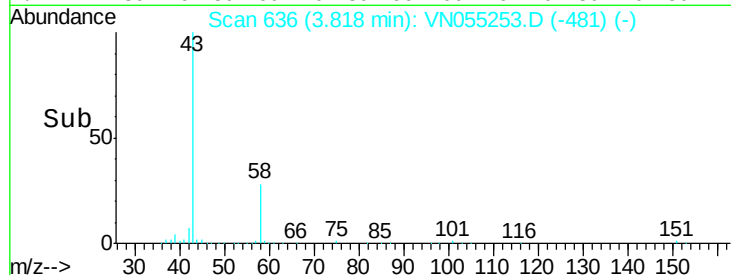
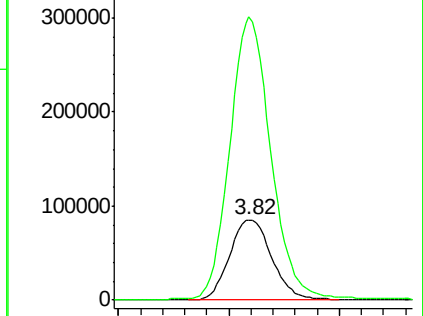
MMdadoda

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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: 97.399 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN055253.D

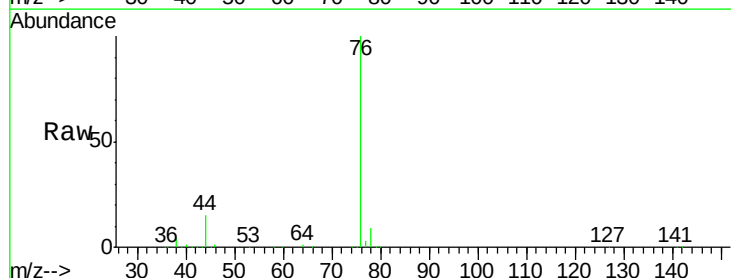
Acq: 25 Apr 2019 19:15

Tgt Ion: 76 Resp: 1013602

Ion Ratio Lower Upper

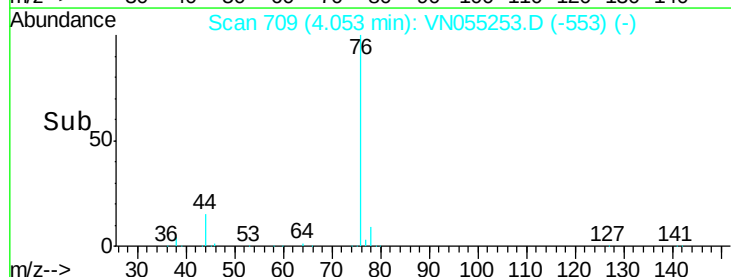
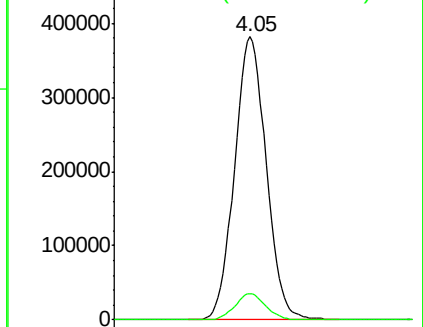
76 100

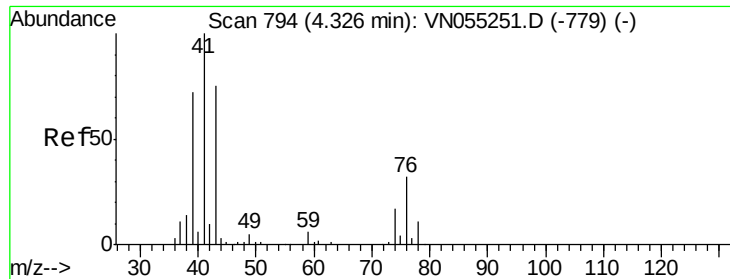
78 9.4 6.8 10.2



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





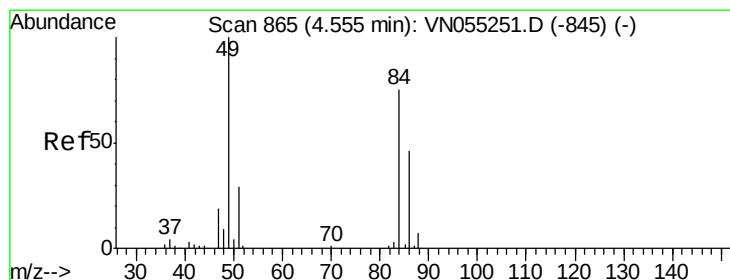
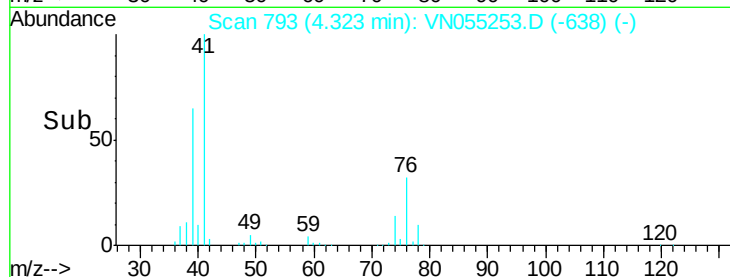
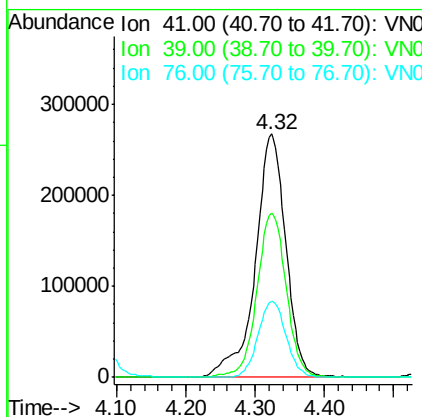
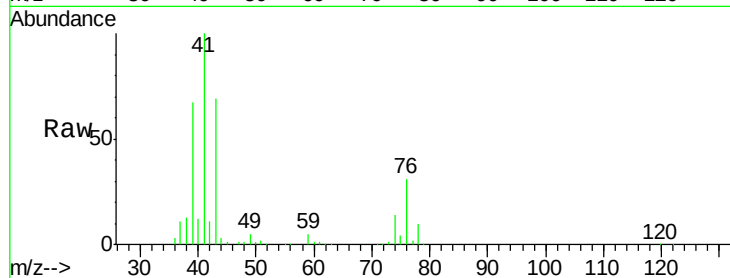
#17
Allvl chloride
Concen: 106.331 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN055253.D
Acq: 25 Apr 2019 19:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	67.4	34.4	103.2
76	31.2	15.3	45.9

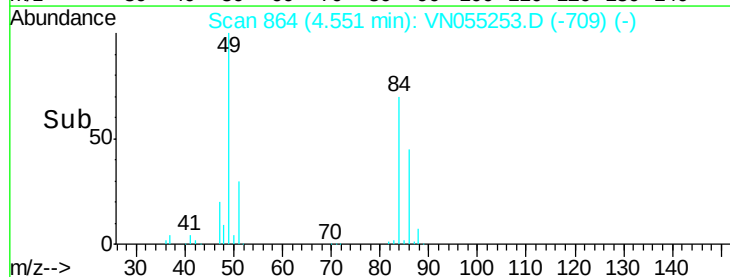
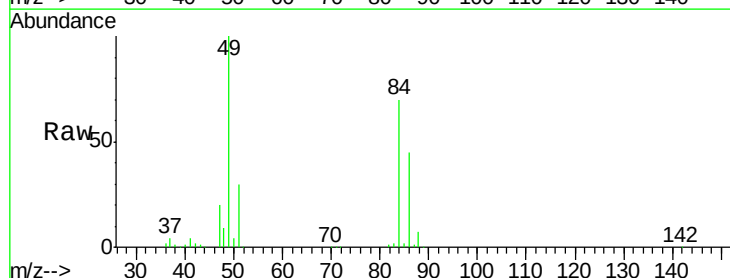
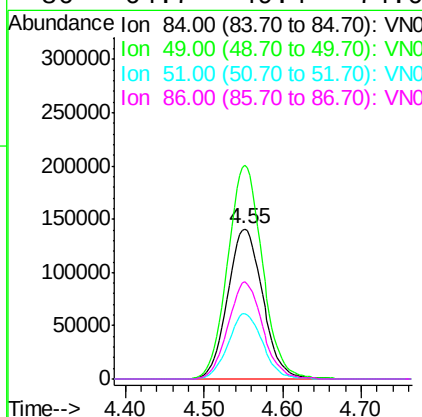
Manual Integrations
APPROVED

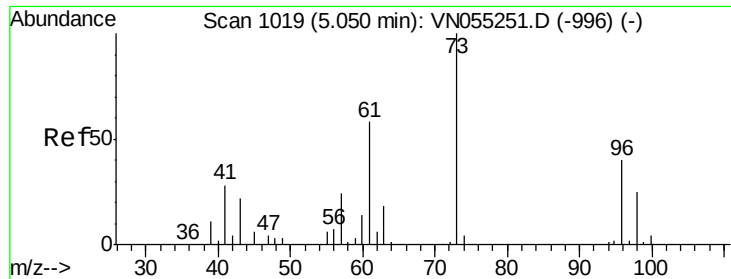
MMDadoda
4/26/2019 10:52:51 AM



#18
Methylene Chloride
Concen: 94.799 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN055253.D
Acq: 25 Apr 2019 19:15

Tgt Ion	Ratio	Lower	Upper
84	100		
49	142.1	107.2	160.8
51	43.3	31.4	47.2
86	64.7	49.4	74.0





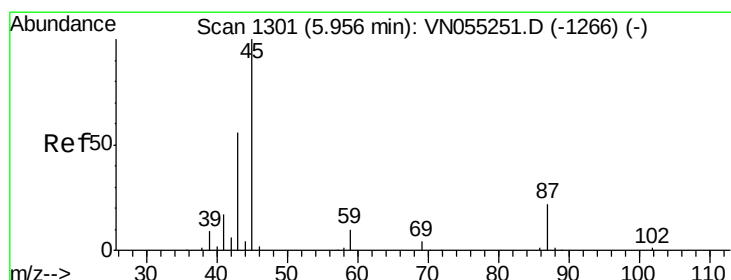
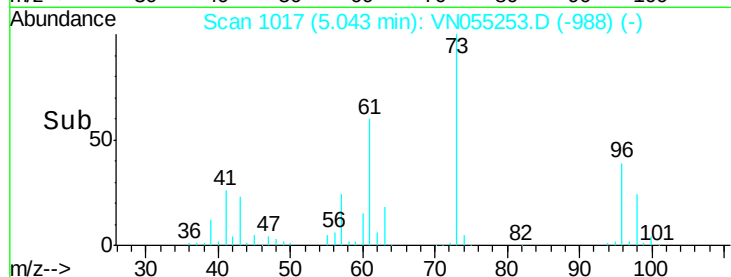
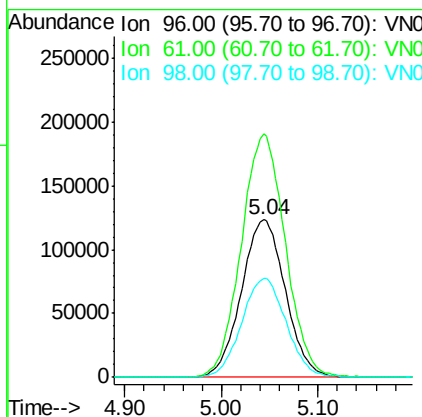
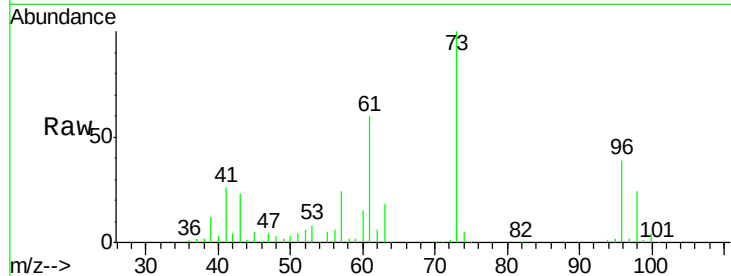
#19
trans-1,2-Dichloroethene
Concen: 96.102 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VN055253.D
Acq: 25 Apr 2019 19:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.2	116.3	174.5
98	62.5	49.4	74.2

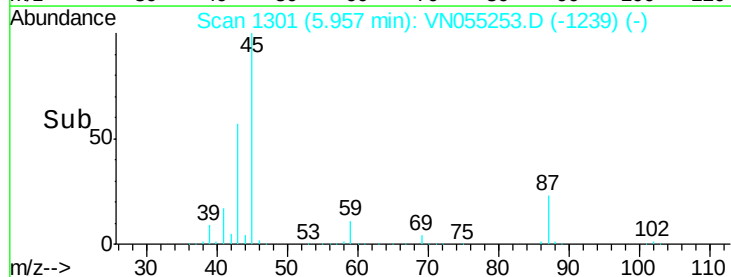
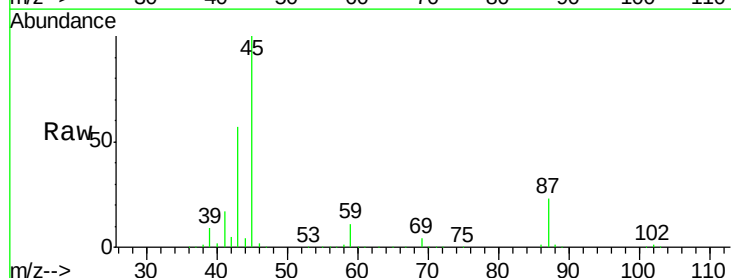
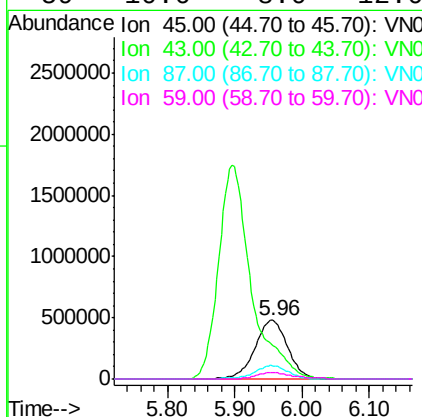
Manual Integrations
APPROVED

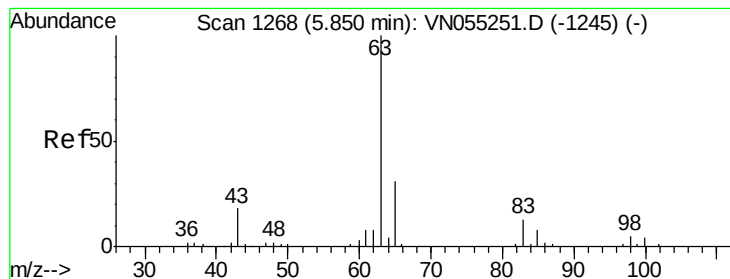
MMDadoda
4/26/2019 10:52:51 AM



#20
Diisopropyl ether
Concen: 102.243 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN055253.D
Acq: 25 Apr 2019 19:15

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.9	46.1	69.1
87	22.8	18.3	27.5
59	10.6	8.0	12.0





#21

1,1-Dichloroethane

Concen: 99.418 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN055253.D

Acq: 25 Apr 2019 19:15

Instrument :

MSVOA_N

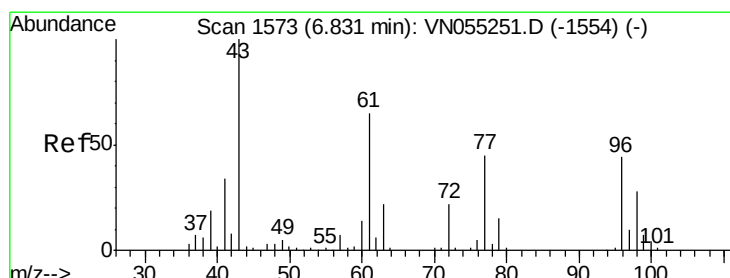
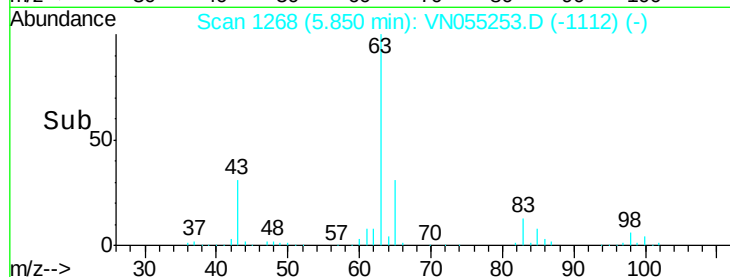
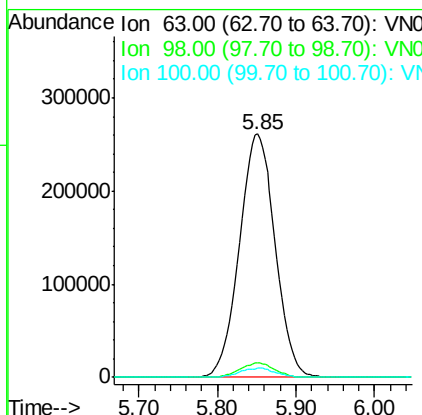
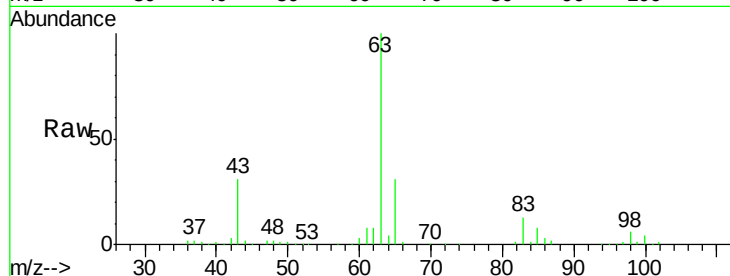
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
63	100	832075		
98	6.1		2.8	8.3
100	3.6		2.0	5.8

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 97.952 ug/l

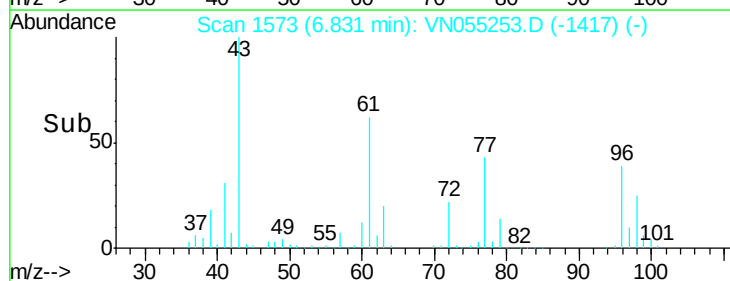
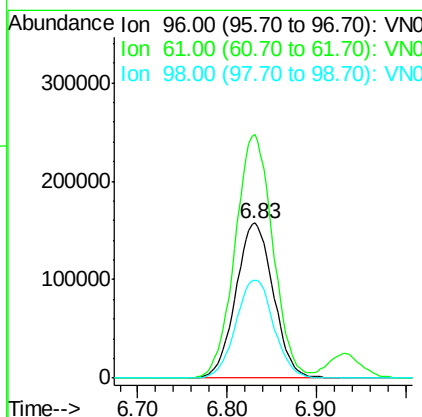
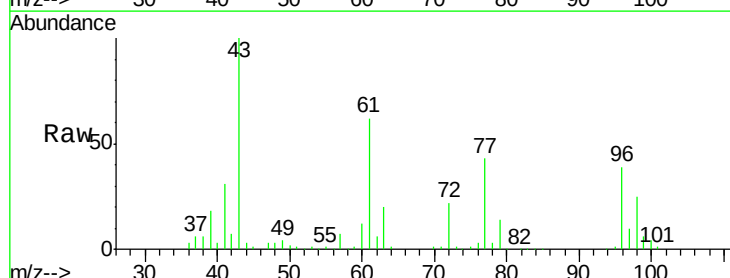
RT: 6.83 min Scan# 1573

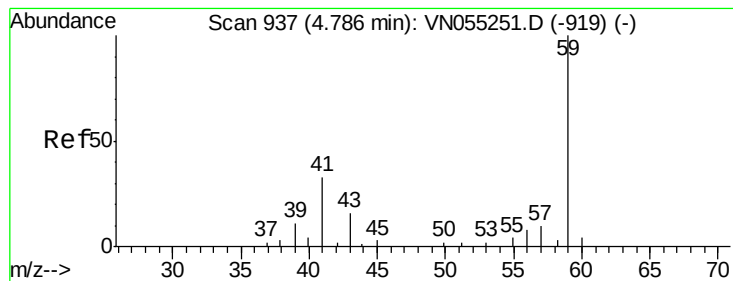
Delta R.T. 0.00 min

Lab File: VN055253.D

Acq: 25 Apr 2019 19:15

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	460347		
61	158.0		129.1	193.7
98	63.9		53.2	79.8





#23

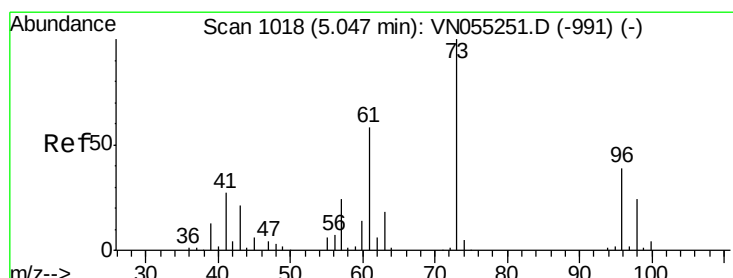
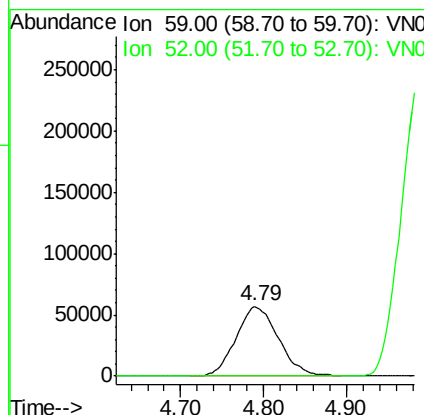
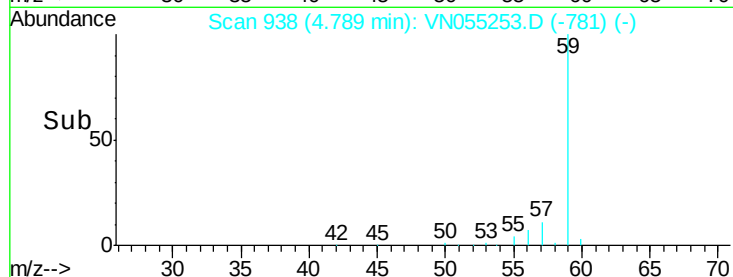
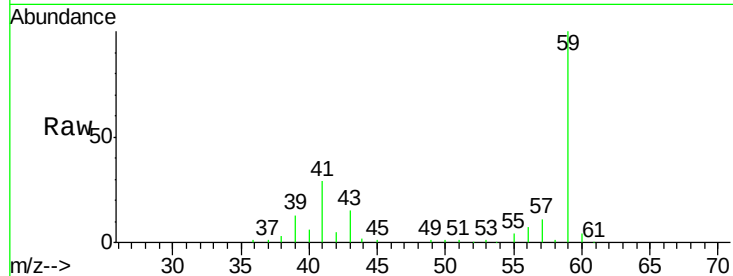
tert-Butyl Alcohol
 Concen: 721.637 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. 0.00 min
 Lab File: VN055253.D
 Acq: 25 Apr 2019 19:15

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion: 59 Resp: 201192
 Ion Ratio Lower Upper
 59 100
 52 0.1 0.0 0.0#

Manual Integrations
 APPROVED

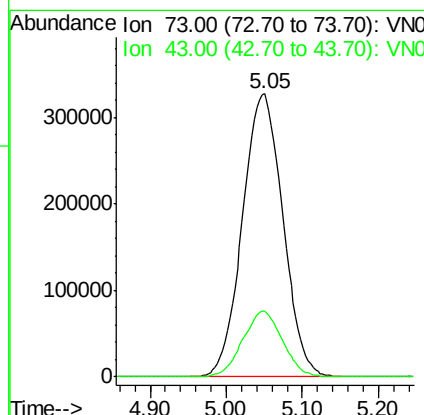
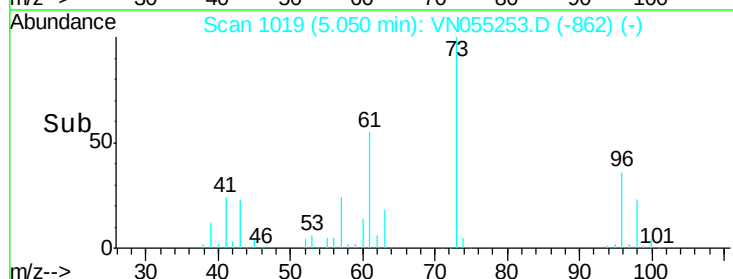
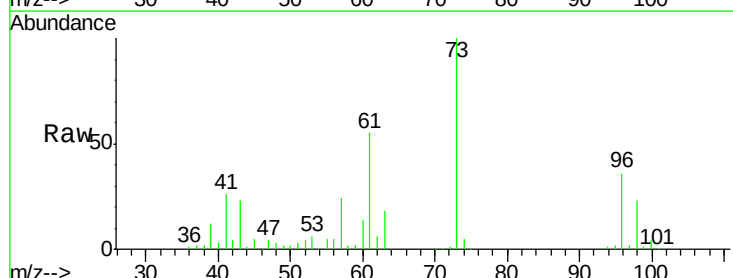
MMDadoda
 4/26/2019 10:52:51 AM

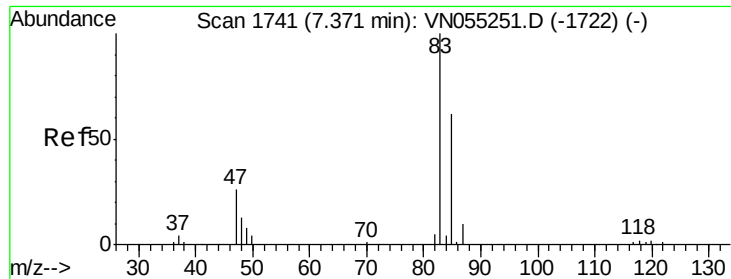


#24

Methyl tert-Butyl Ether
 Concen: 111.780 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN055253.D
 Acq: 25 Apr 2019 19:15

Tgt Ion: 73 Resp: 1211039
 Ion Ratio Lower Upper
 73 100
 43 22.6 17.9 26.9





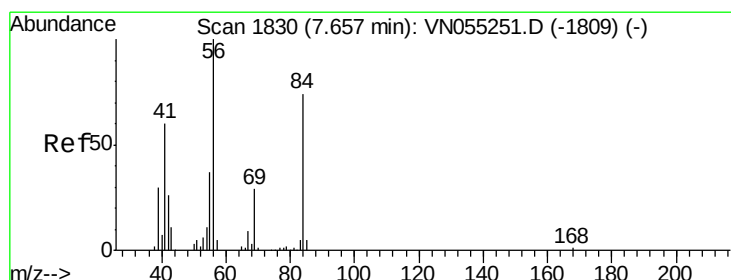
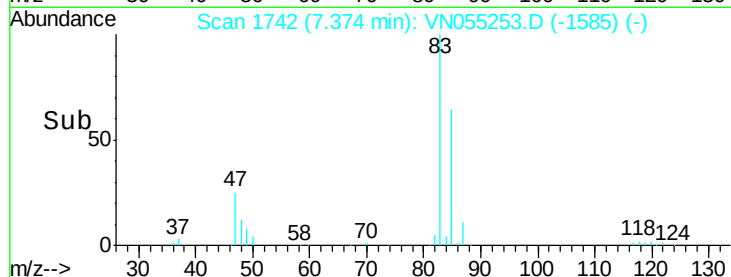
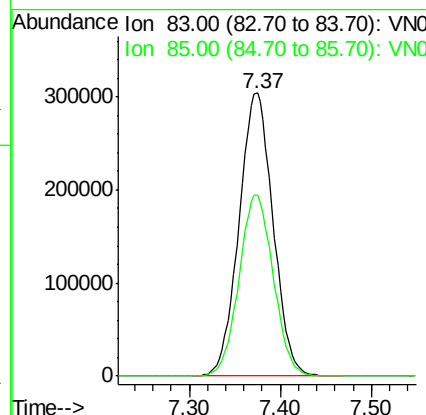
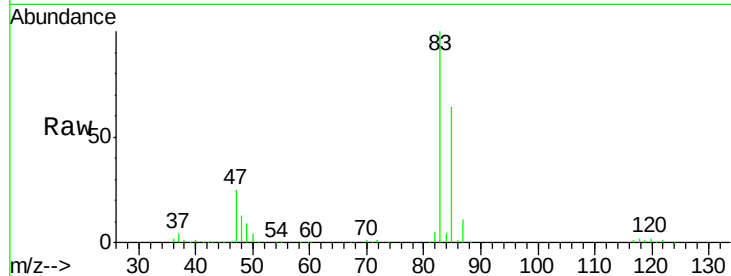
#25
Chloroform
Concen: 98.898 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055253.D
Acq: 25 Apr 2019 19:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	83	Resp	788942
Ion Ratio	100	Lower	Upper
83	100		
85	63.9	49.7	74.5

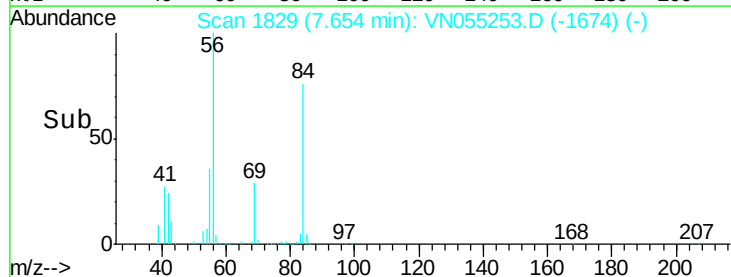
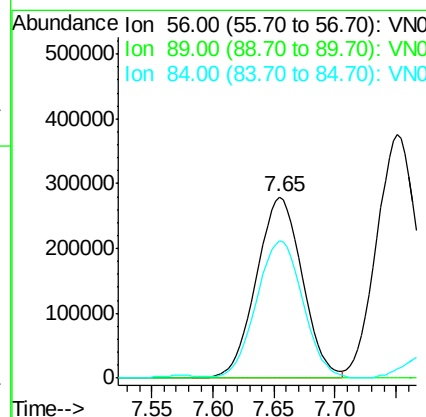
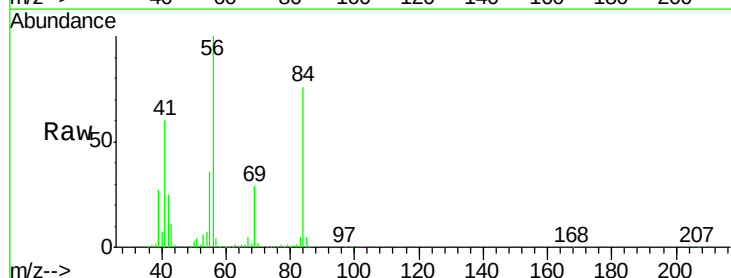
Manual Integrations
APPROVED

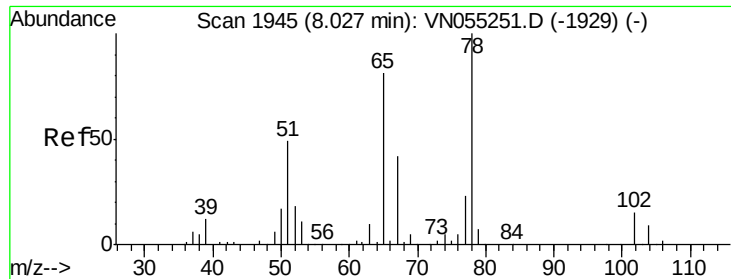
MMdadoda
4/26/2019 10:52:51 AM



#26
Cyclohexane
Concen: 95.883 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN055253.D
Acq: 25 Apr 2019 19:15

Tgt Ion	56	Resp	730843
Ion Ratio	100	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	77.0	63.5	95.3





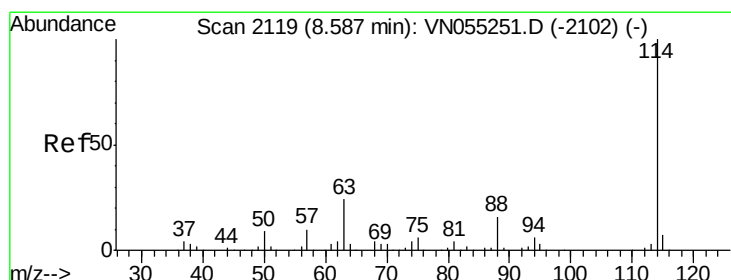
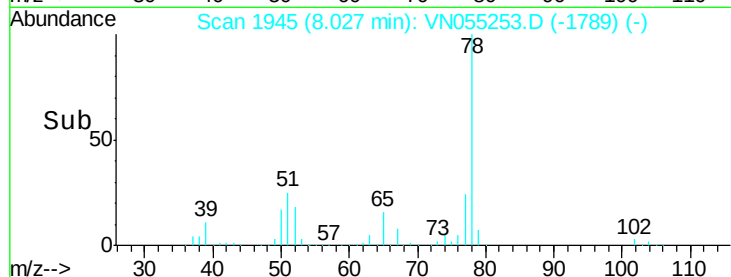
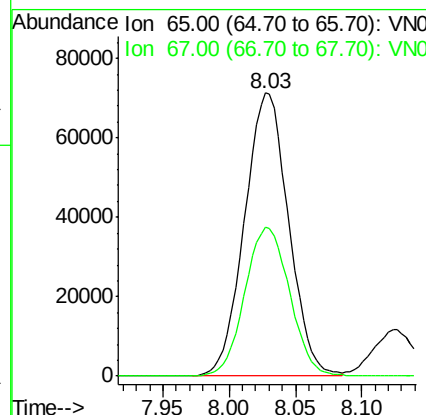
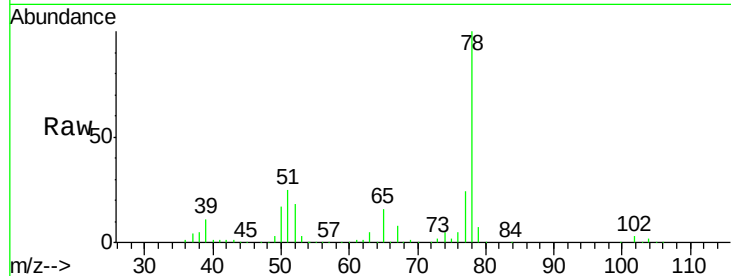
#27
 1,2-Dichloroethane-d4
 Concen: 30.902 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055253.D
 Acq: 25 Apr 2019 19:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.4	41.9	62.9

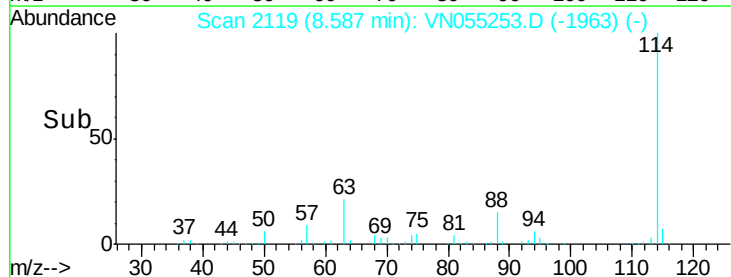
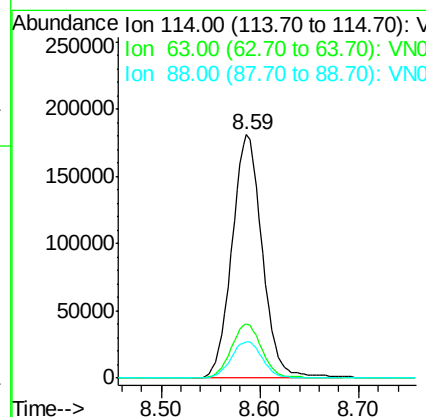
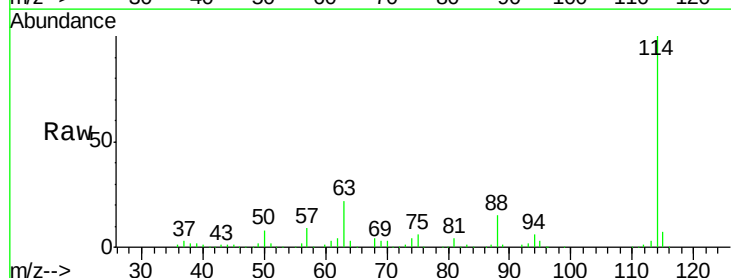
Manual Integrations
 APPROVED

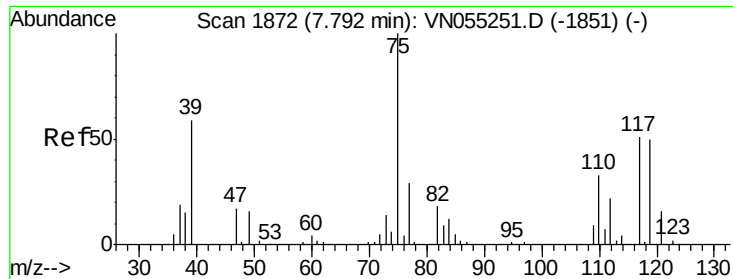
MMdadoda
 4/26/2019 10:52:51 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055253.D
 Acq: 25 Apr 2019 19:15

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.4	18.2	27.2
88	15.4	12.6	18.8





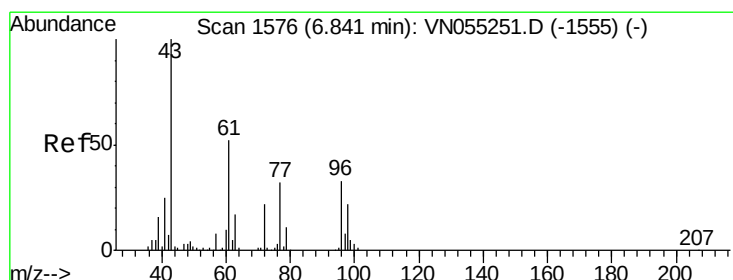
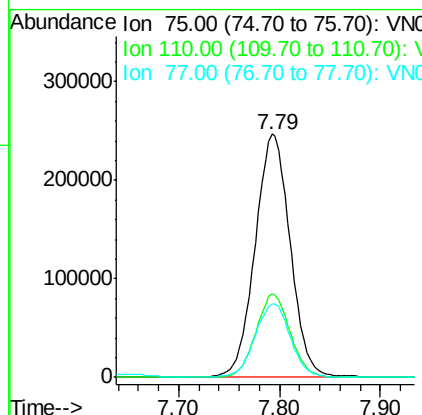
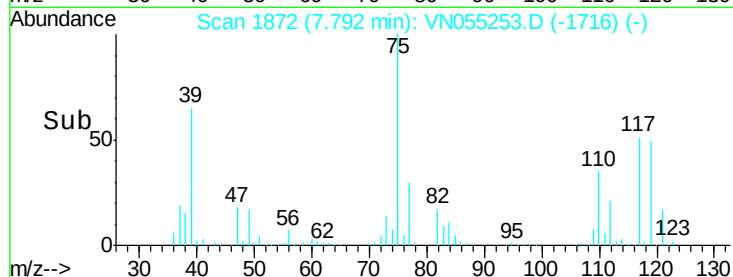
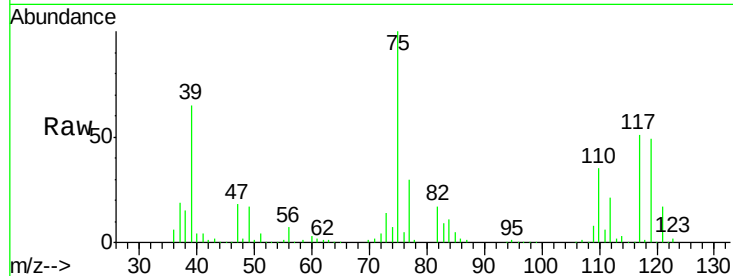
#29
 1,1-Dichloropropene
 Concen: 97.866 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055253.D
 Acq: 25 Apr 2019 19:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	33.5	0.0	68.6
77	30.7	0.0	61.6

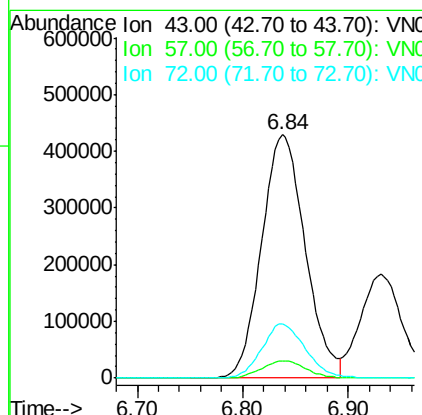
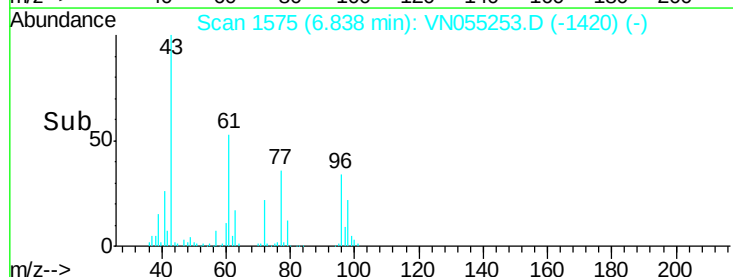
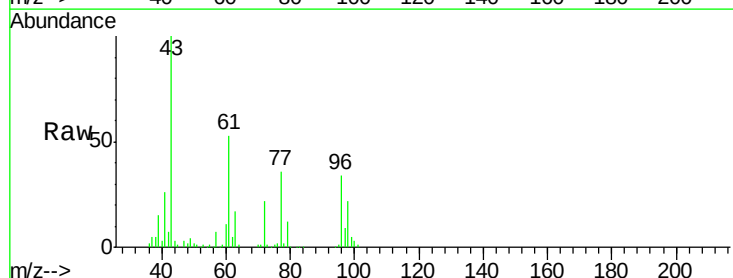
Manual Integrations
 APPROVED

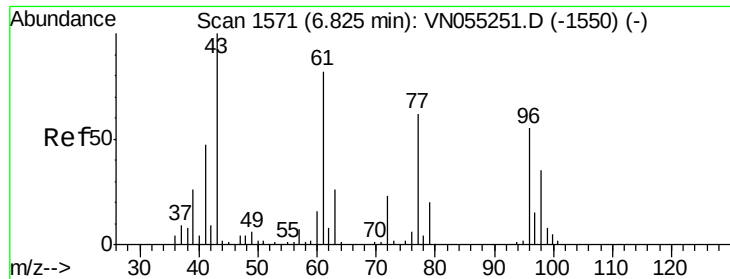
MMdadoda
 4/26/2019 10:52:51 AM



#30
 2-Butanone
 Concen: 581.248 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VN055253.D
 Acq: 25 Apr 2019 19:15

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	7.2	6.0	9.0
72	22.3	17.9	26.9





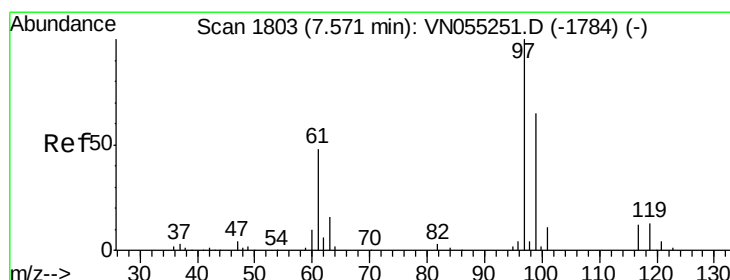
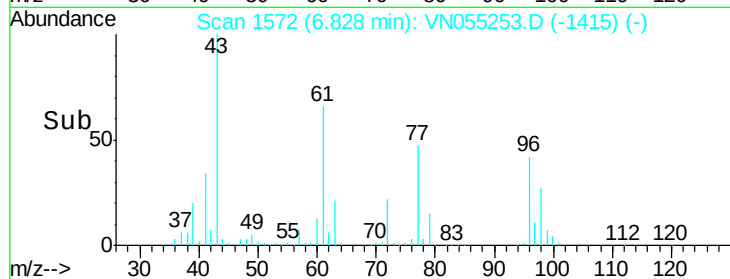
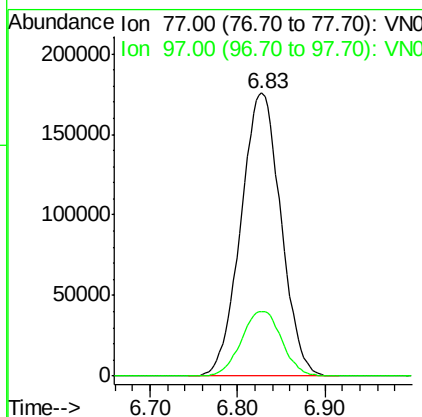
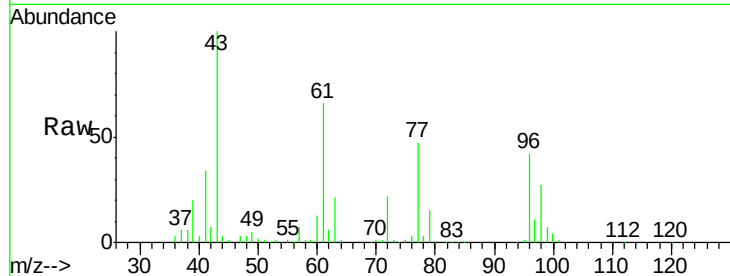
#31
 2,2-Dichloropropane
 Concen: 98.361 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN055253.D
 Acq: 25 Apr 2019 19:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 77 Resp: 557818
 Ion Ratio Lower Upper
 77 100
 97 23.2 18.6 28.0

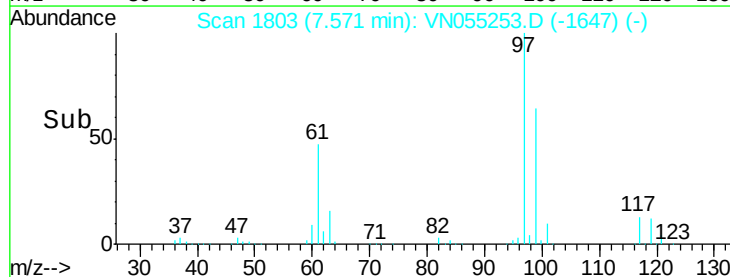
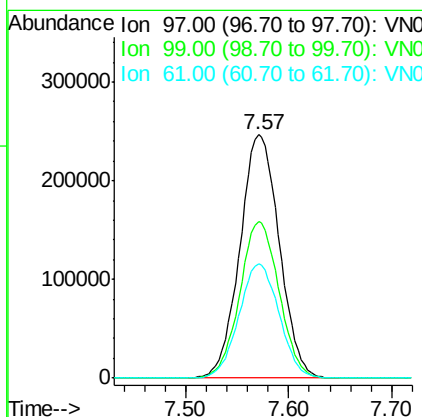
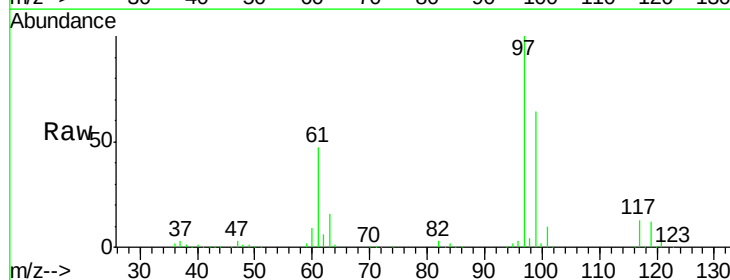
Manual Integrations
 APPROVED

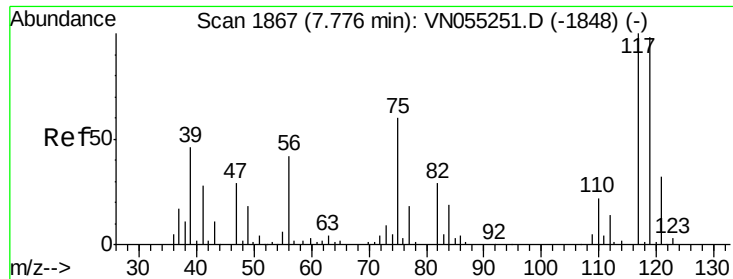
MMdadoda
 4/26/2019 10:52:51 AM



#32
 1,1,1-Trichloroethane
 Concen: 100.283 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN055253.D
 Acq: 25 Apr 2019 19:15

Tgt Ion: 97 Resp: 654658
 Ion Ratio Lower Upper
 97 100
 99 64.1 51.2 76.8
 61 47.7 38.3 57.5





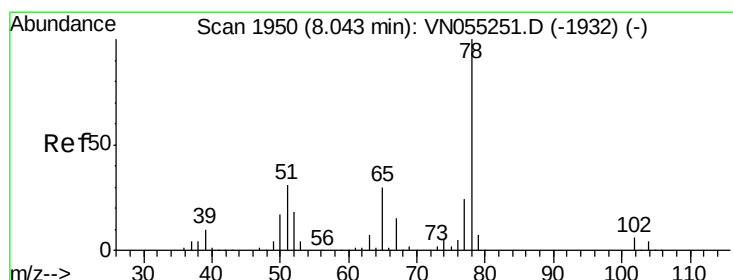
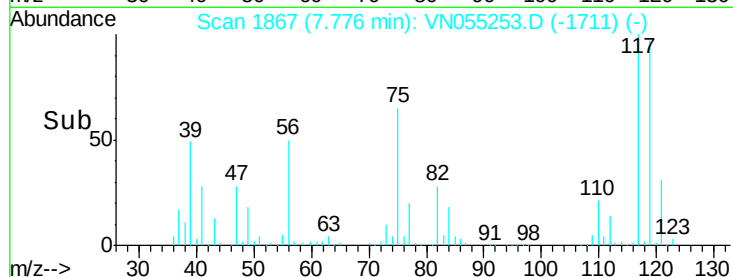
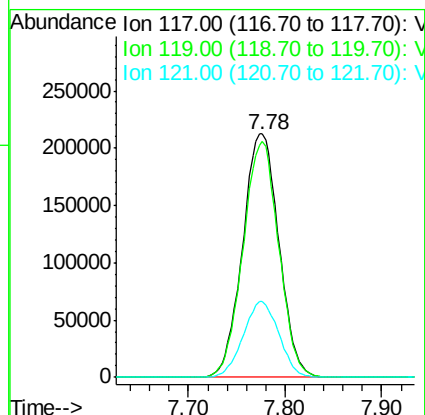
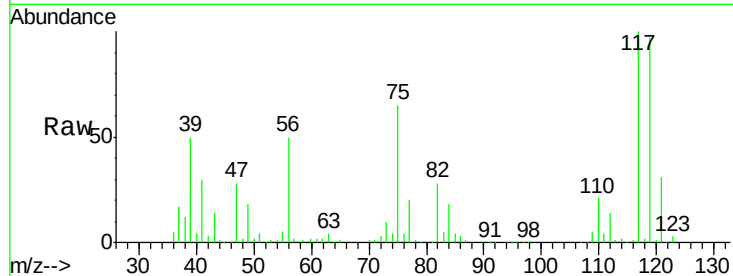
#33
Carbon Tetrachloride
Concen: 98.861 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN055253.D
Acq: 25 Apr 2019 19:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
119	97.0	78.7	118.1
121	31.1	25.8	38.6

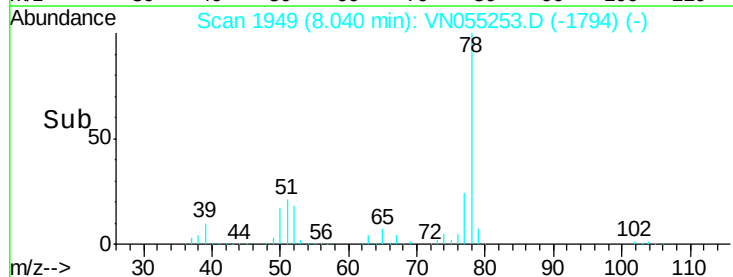
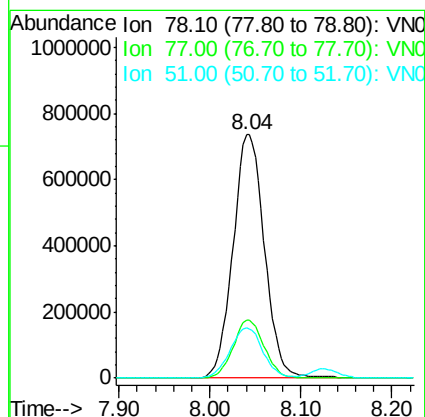
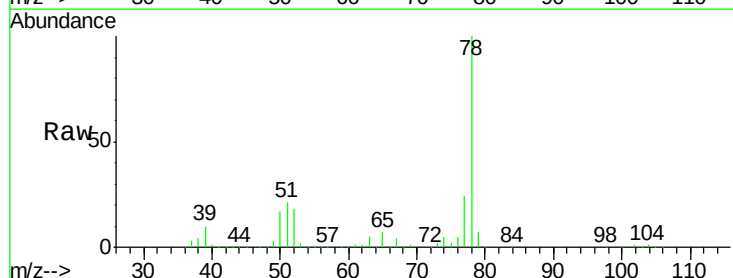
Manual Integrations
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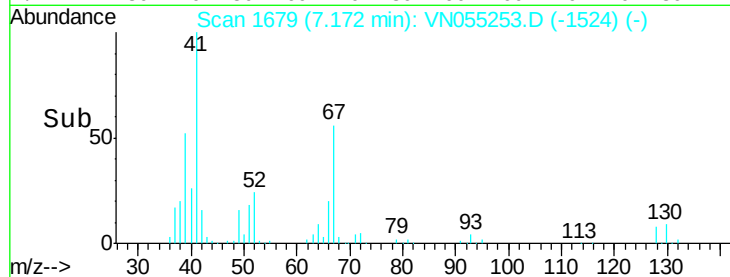
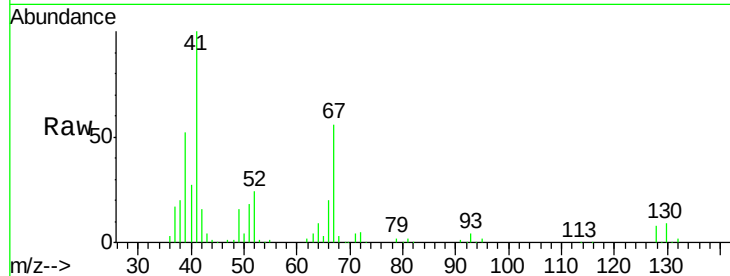
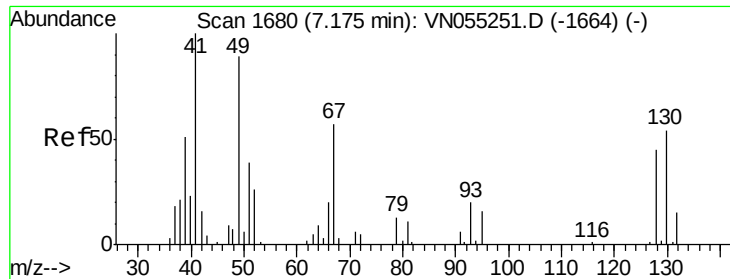
MMdadoda
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#34
Benzene
Concen: 97.416 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN055253.D
Acq: 25 Apr 2019 19:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.1	28.7
51	20.6	24.5	36.7#





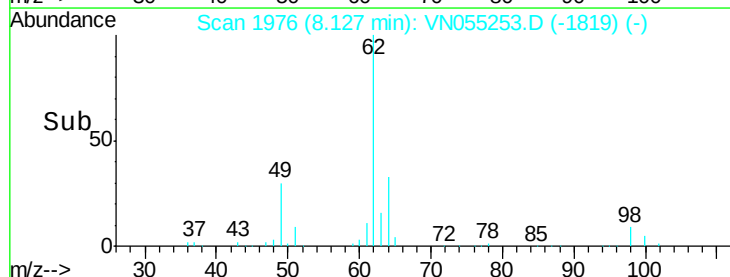
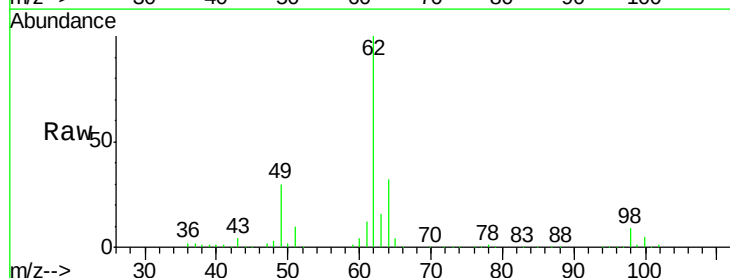
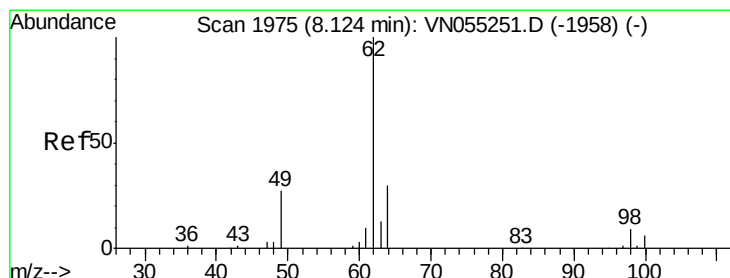
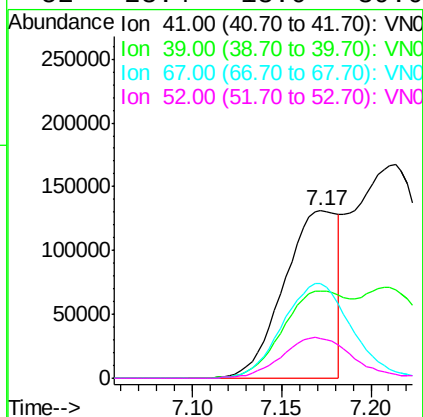
#35
Methacrylonitrile
Concen: 106.814 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN055253.D
Acq: 25 Apr 2019 19:15

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		272640		
39	51.9	25.3	75.8		
67	56.4	28.7	86.1		
52	23.4	13.0	39.0		

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

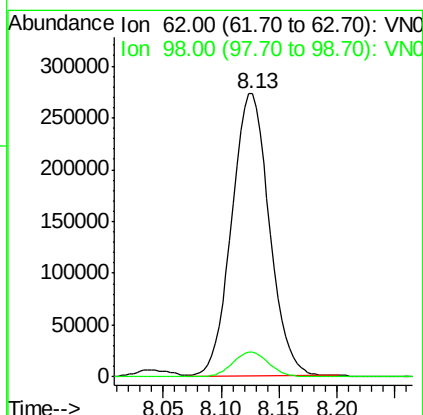
Manual Integrations
APPROVED

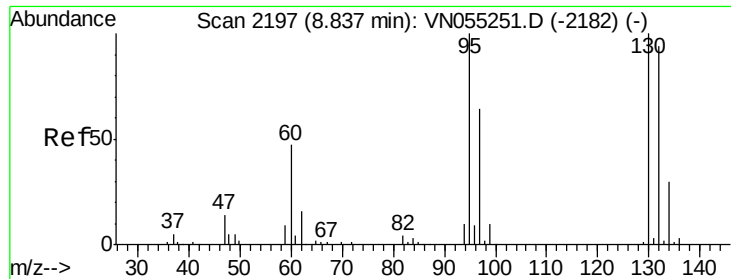
MMDadoda
4/26/2019 10:52:51 AM



#36
1,2-Dichloroethane
Concen: 98.493 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055253.D
Acq: 25 Apr 2019 19:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		616040		
98	8.6	6.8	10.2		





#37

Trichloroethene

Concen: 95.159 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN055253.D

Acq: 25 Apr 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:130 Resp: 437183

Ion Ratio Lower Upper

130 100

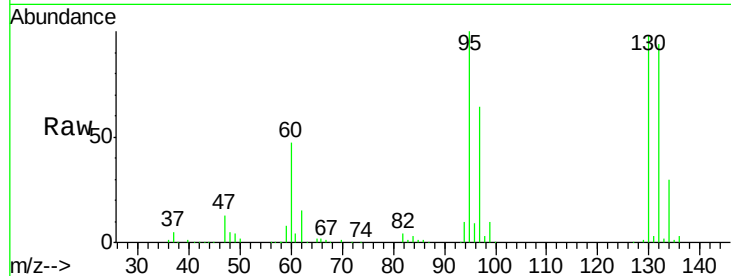
95 102.5 79.9 119.9

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

250000

200000

150000

100000

50000

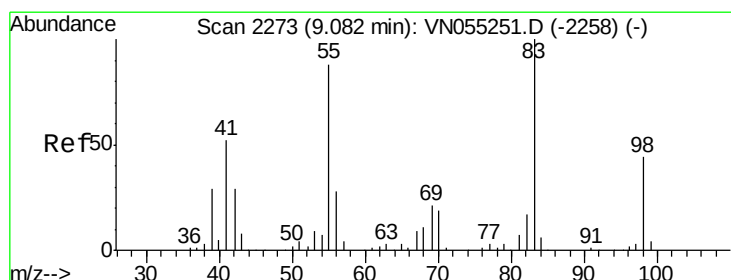
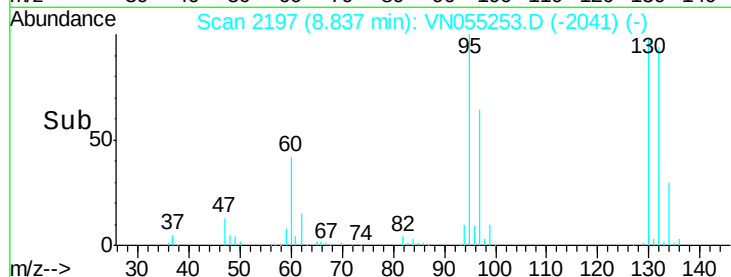
0

8.80

8.84

8.90

Time-->



#38

Methylcyclohexane

Concen: 91.903 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN055253.D

Acq: 25 Apr 2019 19:15

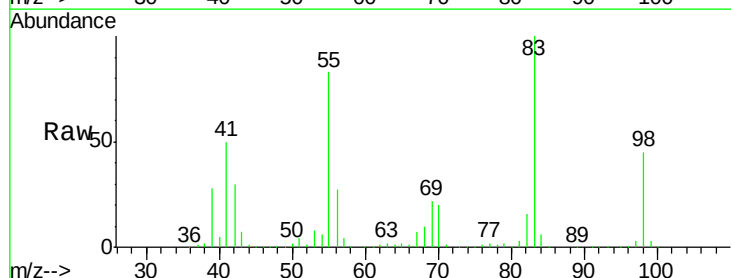
Tgt Ion: 83 Resp: 636754

Ion Ratio Lower Upper

83 100

55 84.2 43.8 131.4

98 45.1 22.4 67.2



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

400000

300000

200000

100000

0

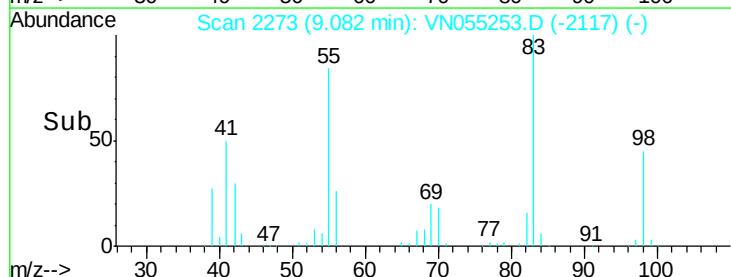
9.00

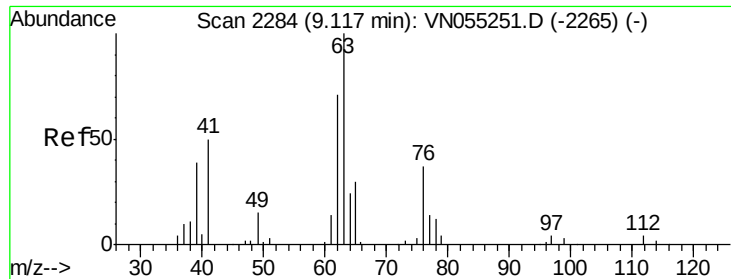
9.05

9.08

9.15

Time-->





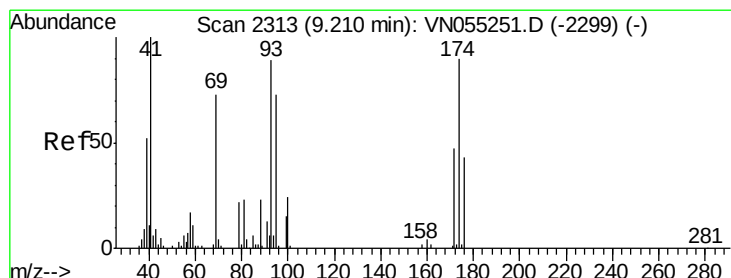
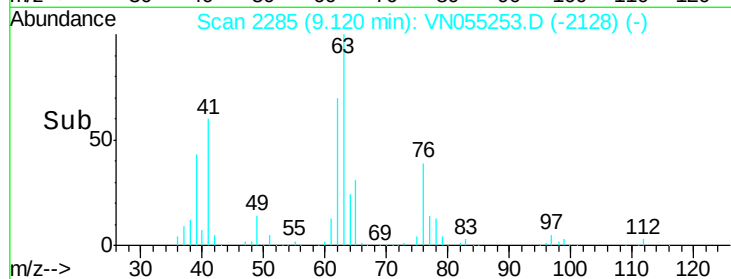
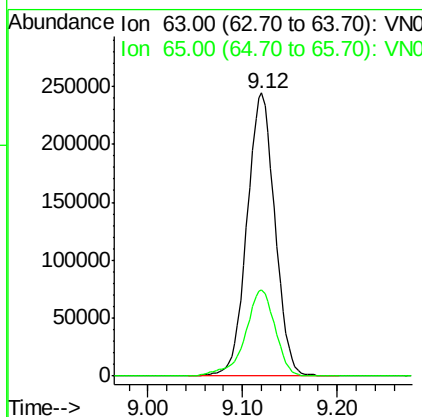
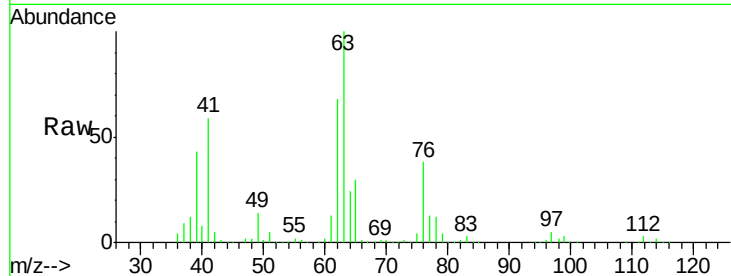
#39
 1,2-Dichloropropane
 Concen: 99.093 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055253.D
 Acq: 25 Apr 2019 19:15

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.2	24.6	36.8

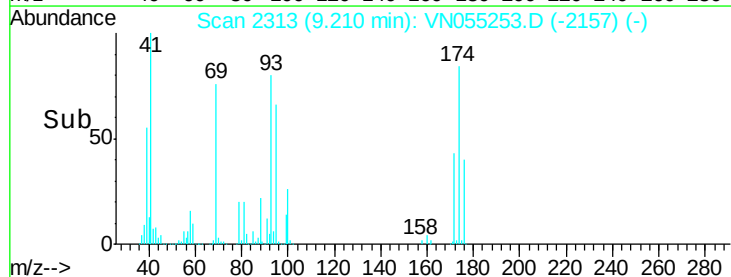
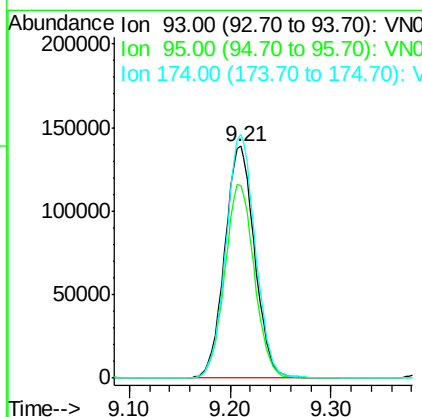
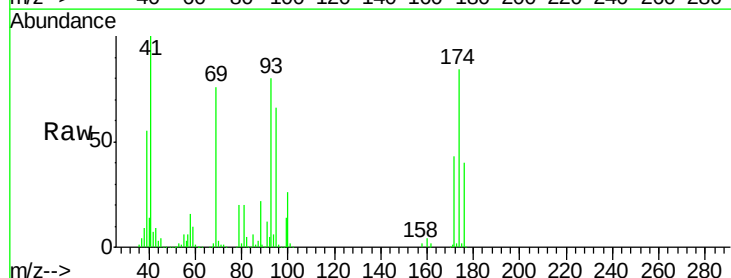
Manual Integrations
 APPROVED

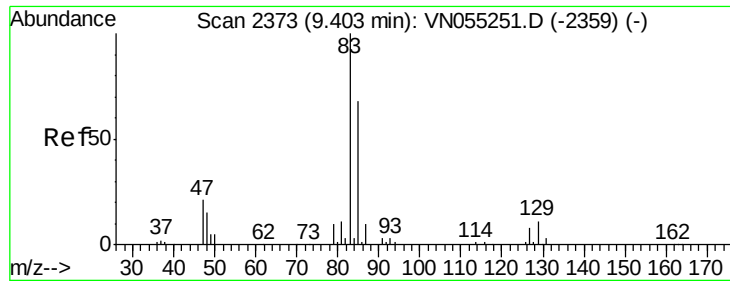
MMdadoda
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#40
 Dibromomethane
 Concen: 99.716 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055253.D
 Acq: 25 Apr 2019 19:15

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.5	0.0	164.8
174	103.0	0.0	203.4





#41

Bromodichloromethane

Concen: 102.298 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055253.D

Acq: 25 Apr 2019 19:15

Instrument :

MSVOA_N

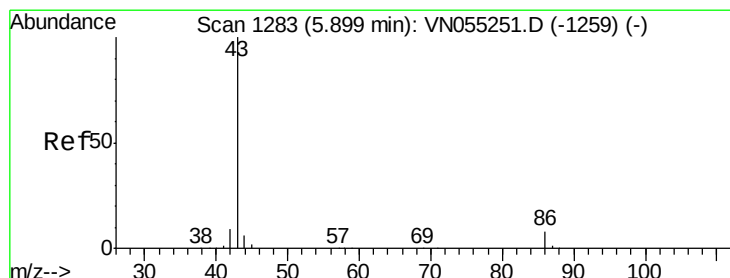
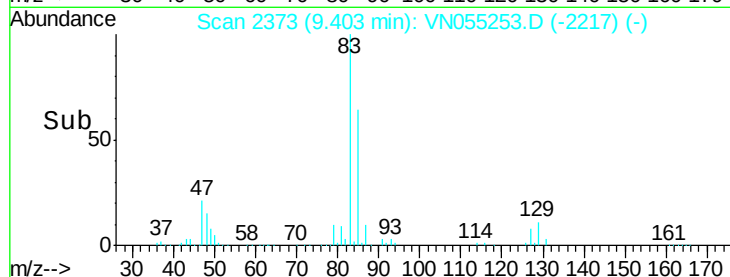
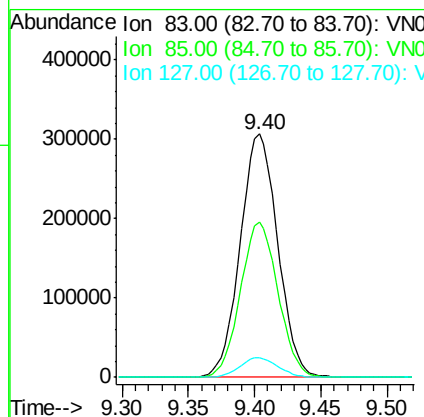
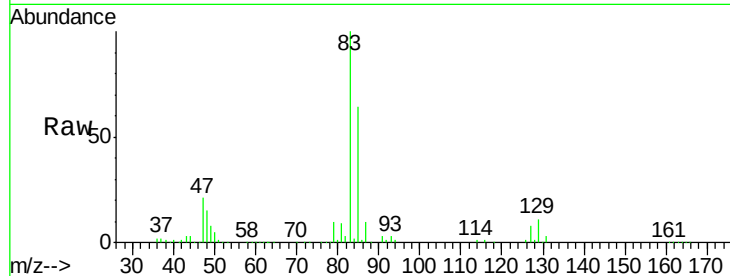
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	603185
Ion Ratio	Lower	Upper	
83	100		
85	63.6	54.5	81.7
127	8.0	6.4	9.6

Manual Integrations
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MMdadoda
4/26/2019 10:52:51 AM



#42

Vinyl Acetate

Concen: 557.185 ug/l

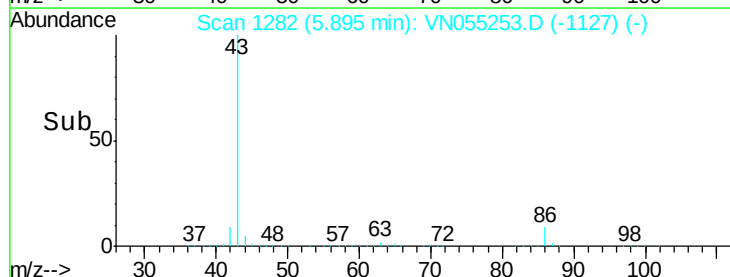
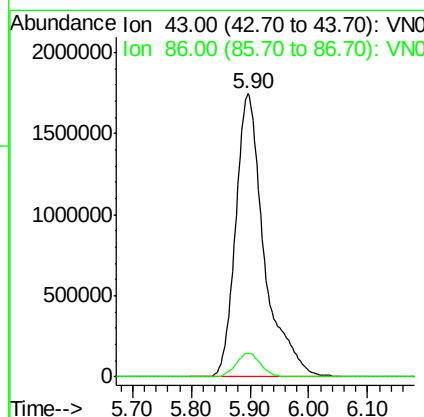
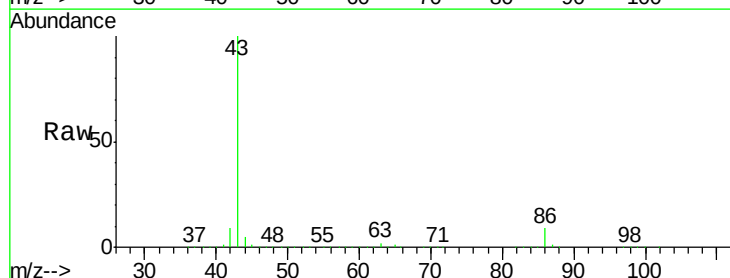
RT: 5.90 min Scan# 1282

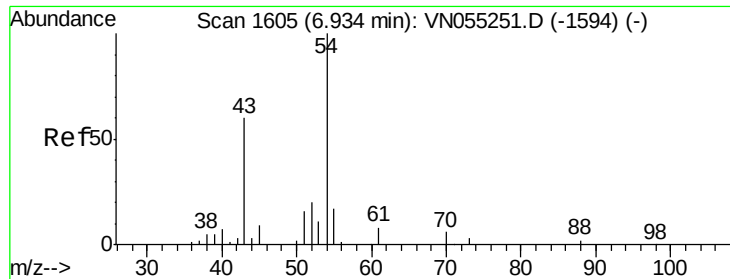
Delta R.T. -0.00 min

Lab File: VN055253.D

Acq: 25 Apr 2019 19:15

Tgt Ion:	43	Resp:	5914068
Ion Ratio	Lower	Upper	
43	100		
86	7.3	5.7	8.5





#43

Ethyl Acetate

Concen: 115.549 ug/l

RT: 6.93 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VN055253.D

Acq: 25 Apr 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 512440

Ion Ratio Lower Upper

43 100

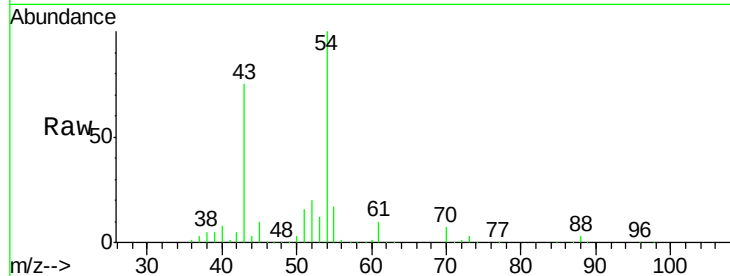
45 14.3 9.6 14.4

Manual Integrations

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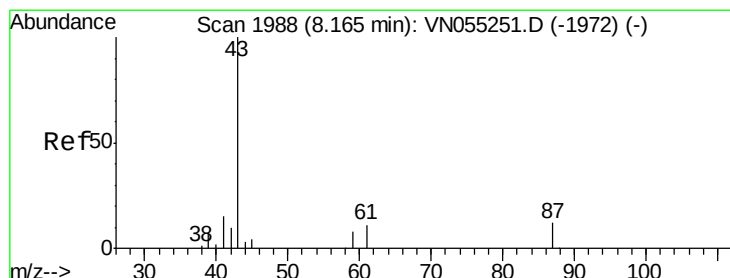
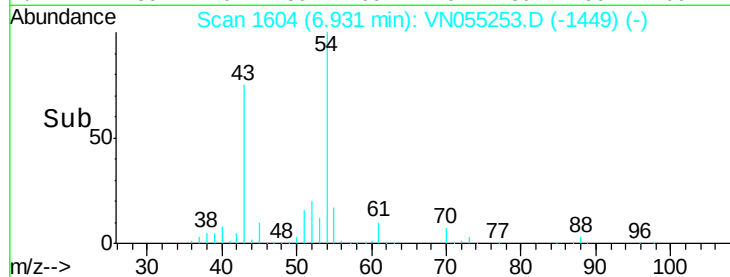
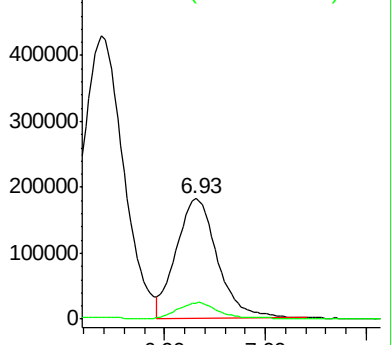
MMdadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 120.662 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055253.D

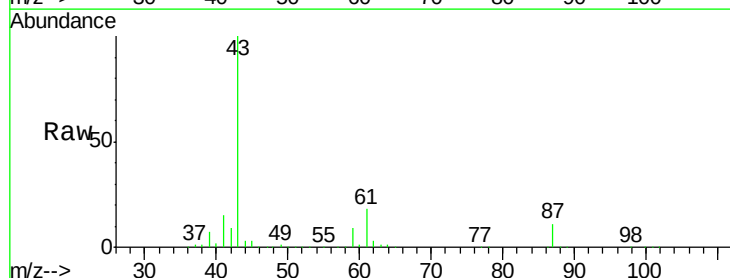
Acq: 25 Apr 2019 19:15

Tgt Ion: 43 Resp: 920287

Ion Ratio Lower Upper

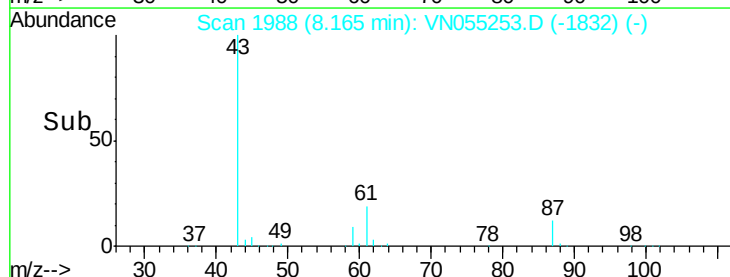
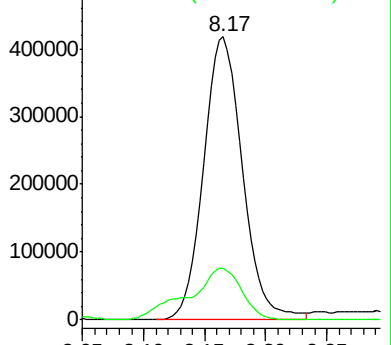
43 100

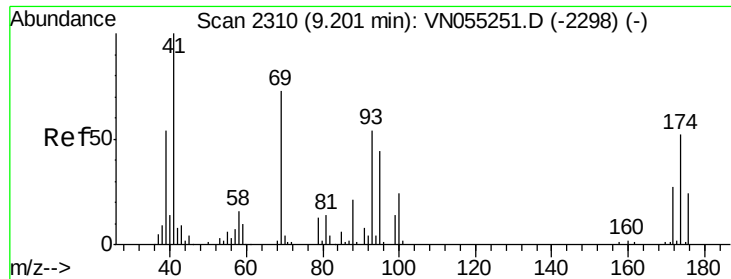
61 17.9 12.6 18.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#45

1,4-Dioxane

Concen: 2441.729 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055253.D

Acq: 25 Apr 2019 19:15

Instrument :

MSVOA_N

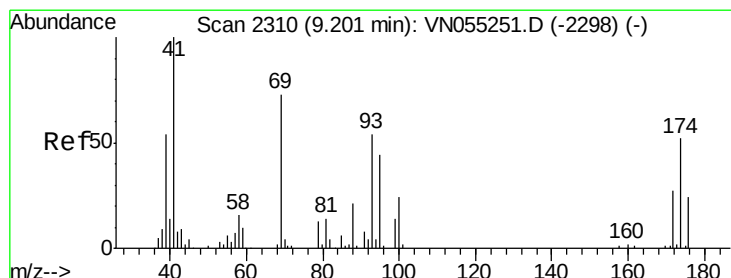
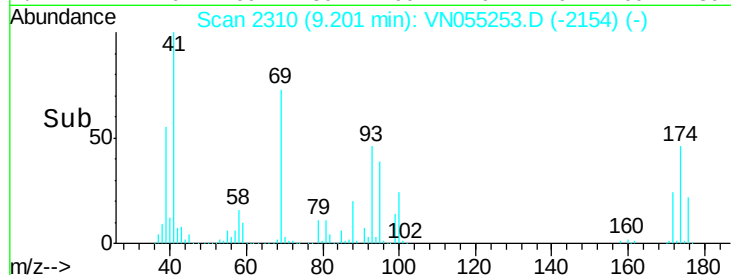
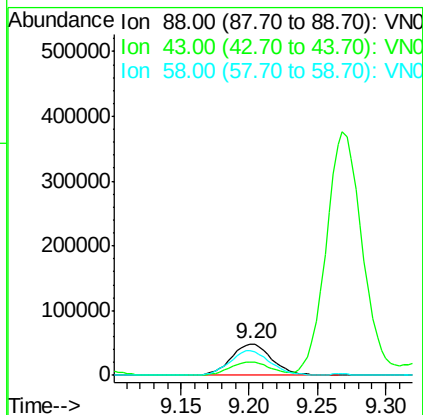
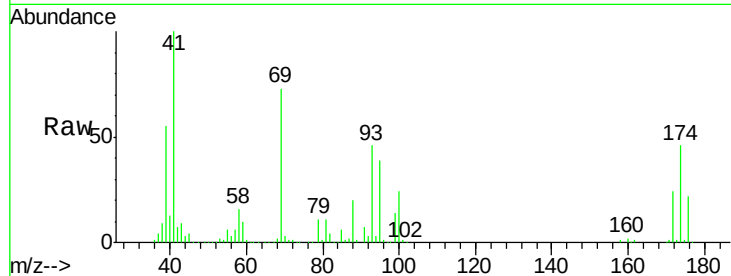
ClientSampleID :

VSTDIC100

Tot Ion:	88	Resp:	100627
Ion	Ratio	Lower	Upper
88	100		
43	40.4	29.4	44.0
58	78.0	62.4	93.6

Manual Integrations
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#46

Methyl methacrylate

Concen: 118.302 ug/l

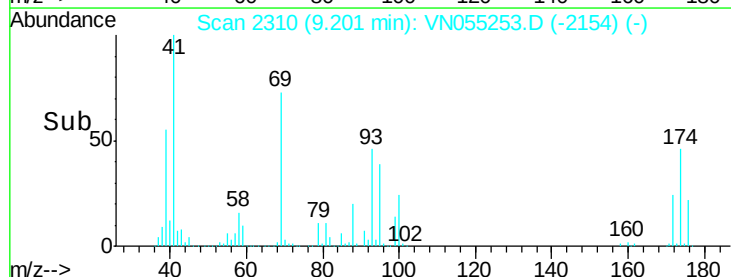
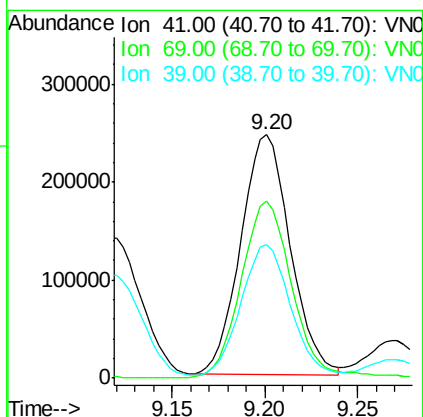
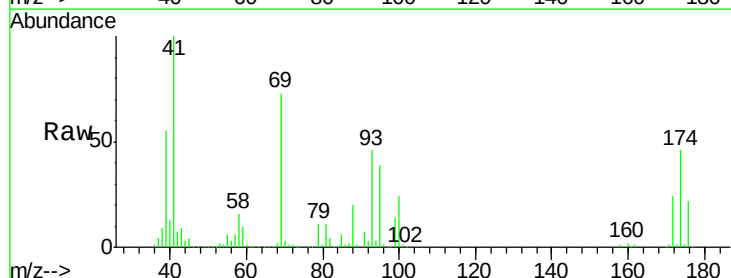
RT: 9.20 min Scan# 2310

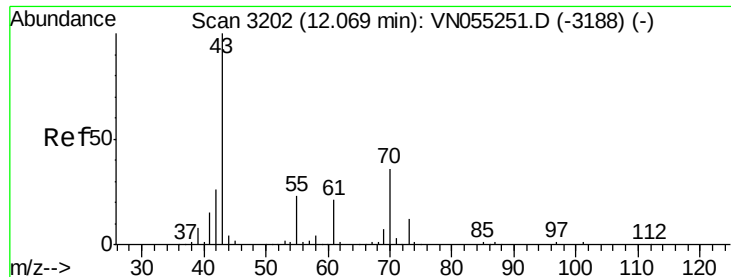
Delta R.T. 0.00 min

Lab File: VN055253.D

Acq: 25 Apr 2019 19:15

Tgt Ion:	41	Resp:	455855
Ion	Ratio	Lower	Upper
41	100		
69	73.5	36.4	109.3
39	54.8	26.9	80.7





#47

n-amvl Acetate

Concen: 134.859 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055253.D

Acq: 25 Apr 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 737204

Ion Ratio Lower Upper

43 100

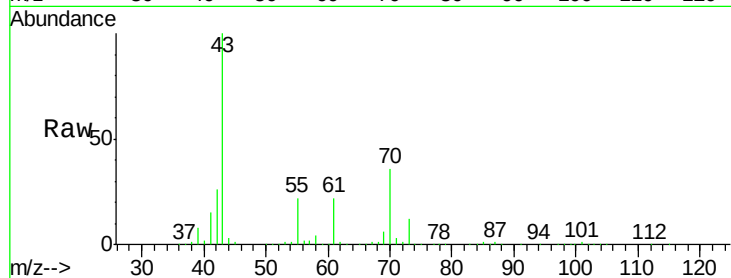
55 22.1 18.1 27.1

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

12.07

500000

400000

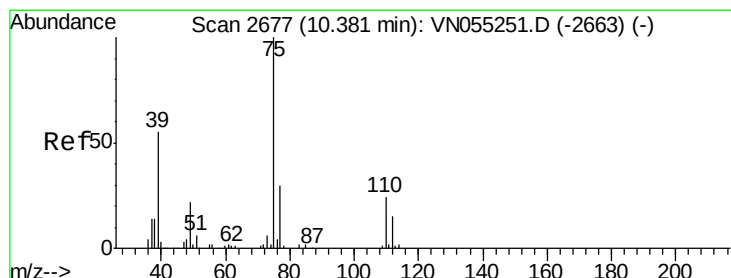
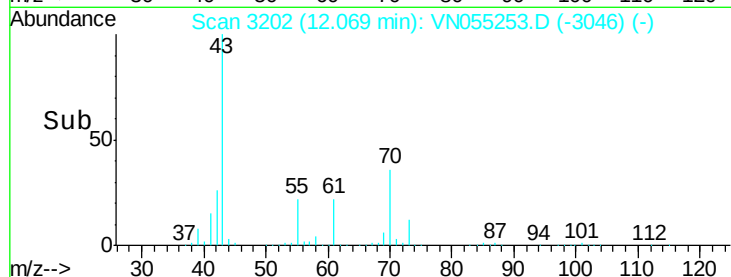
300000

200000

100000

0

Time-->



#48

t-1,3-Dichloropropene

Concen: 113.722 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055253.D

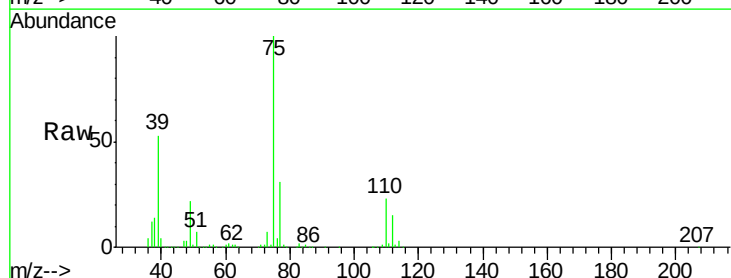
Acq: 25 Apr 2019 19:15

Tgt Ion: 75 Resp: 630269

Ion Ratio Lower Upper

75 100

77 31.2 23.9 35.9



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

10.38

400000

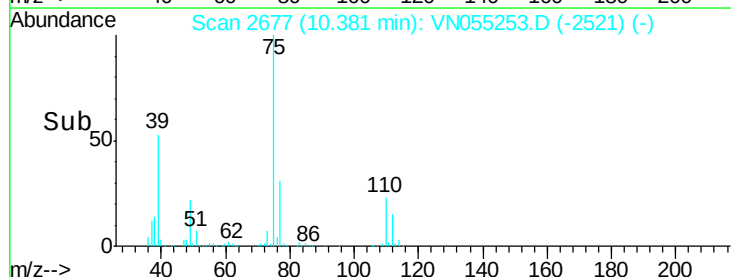
300000

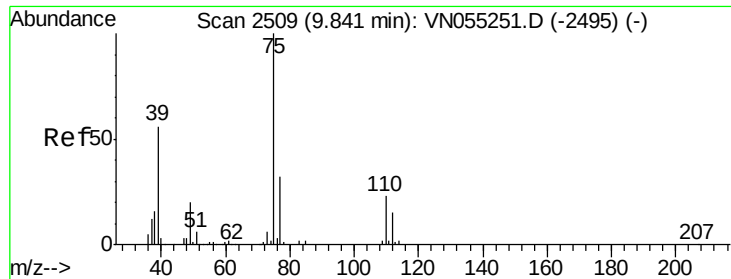
200000

100000

0

Time-->





#49

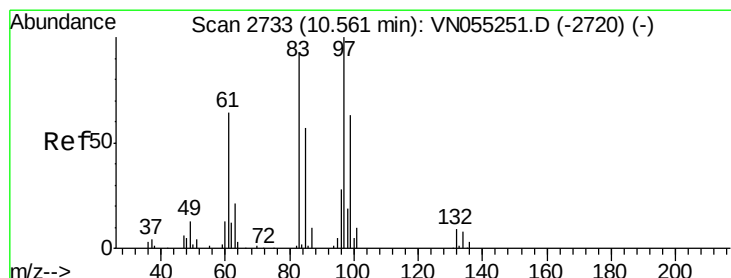
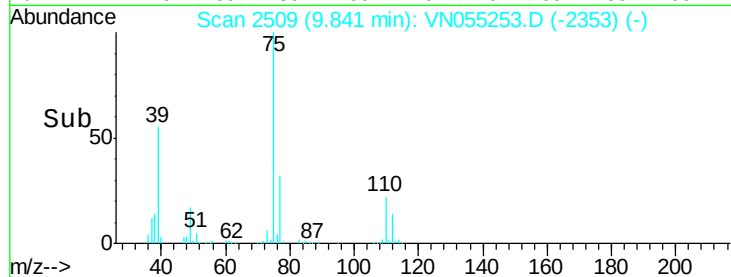
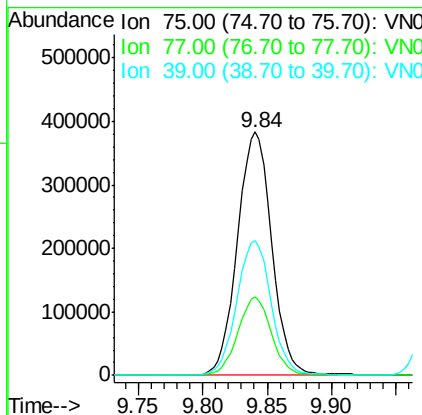
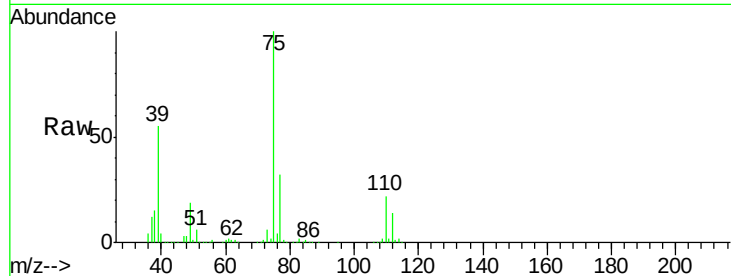
cis-1,3-Dichloropropene
Concen: 105.800 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN055253.D
Acq: 25 Apr 2019 19:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.9	38.9
39	55.2	45.0	67.6

Manual Integrations
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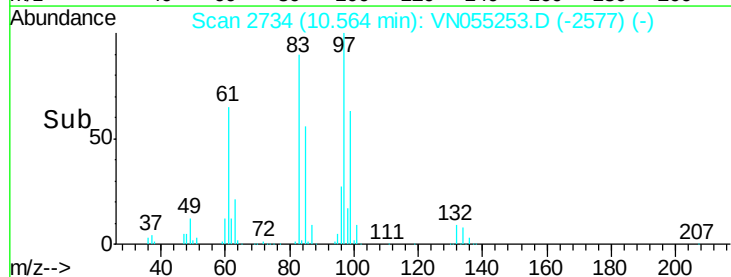
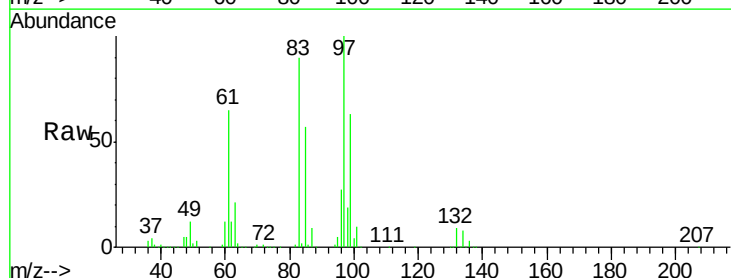
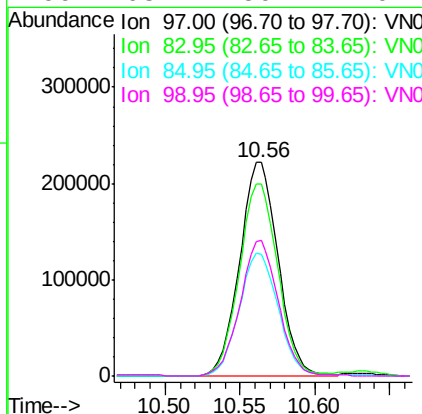
MMdadoda
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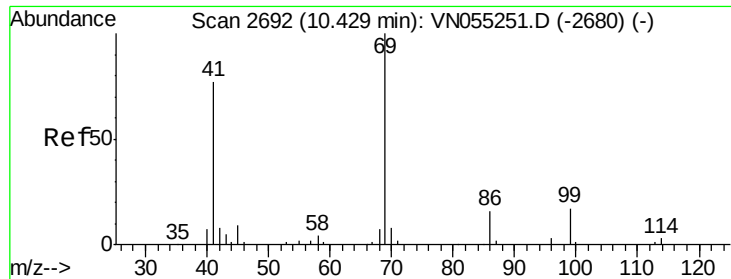


#50

1,1,2-Trichloroethane
Concen: 101.357 ug/l
RT: 10.56 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VN055253.D
Acq: 25 Apr 2019 19:15

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.9	74.6	111.8
85	56.8	45.4	68.2
99	63.2	50.7	76.1





#51

Ethyl methacrylate

Concen: 119.151 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055253.D

Acq: 25 Apr 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

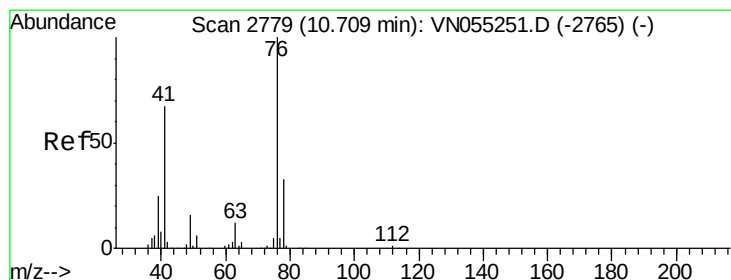
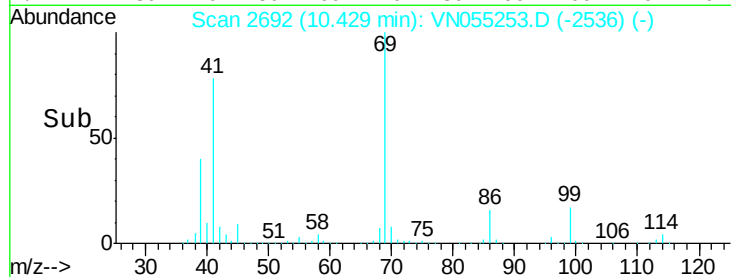
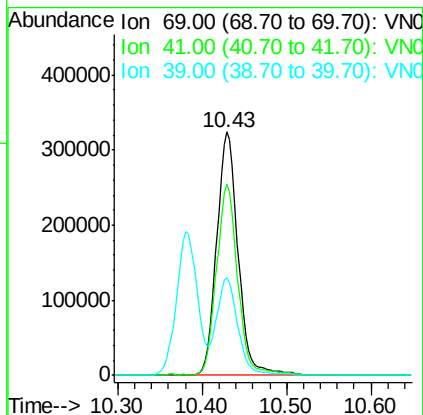
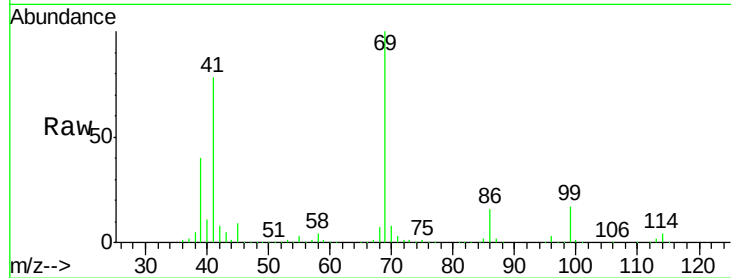
VSTDIC100

Tot Ion: 69 Resp: 571762

Ion	Ratio	Lower	Upper
69	100		
41	78.2	38.7	116.1
39	39.7	19.9	59.6

Manual Integrations
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4/26/2019 10:52:51 AM



#52

1,3-Dichloropropane

Concen: 103.658 ug/l

RT: 10.71 min Scan# 2779

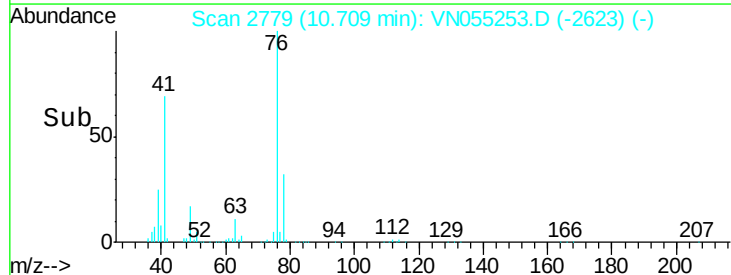
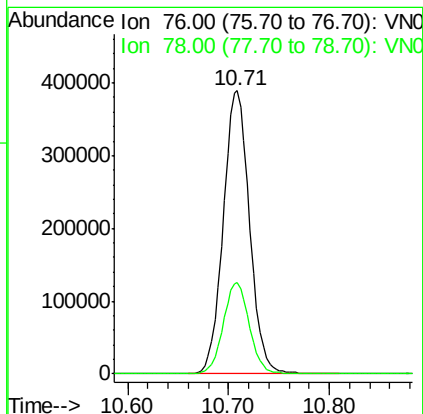
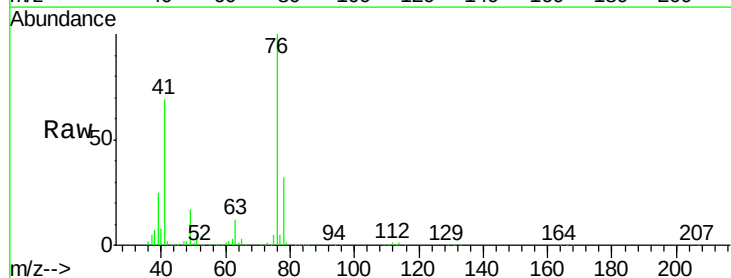
Delta R.T. 0.00 min

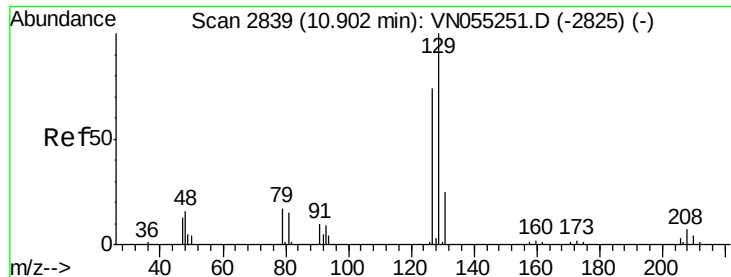
Lab File: VN055253.D

Acq: 25 Apr 2019 19:15

Tgt Ion: 76 Resp: 709475

Ion	Ratio	Lower	Upper
76	100		
78	32.1	0.0	63.0





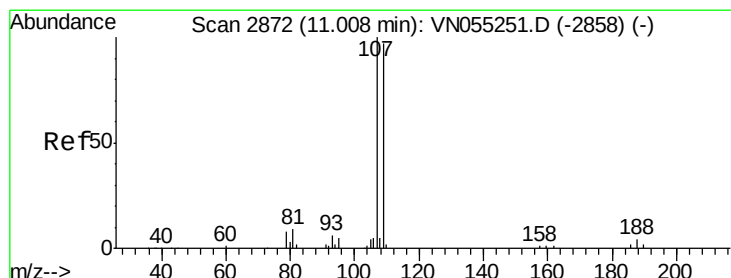
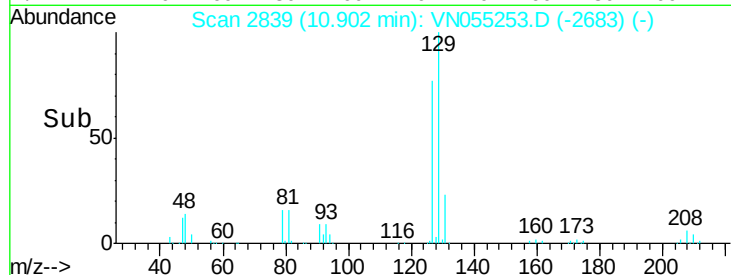
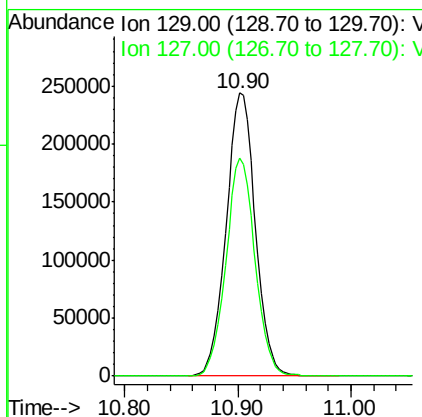
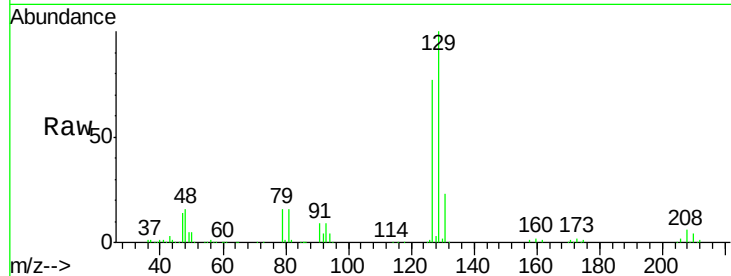
#53
 Dibromochloromethane
 Concen: 108.338 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN055253.D
 Acq: 25 Apr 2019 19:15

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion:129 Resp: 436898
 Ion Ratio Lower Upper
 129 100
 127 76.7 38.8 116.3

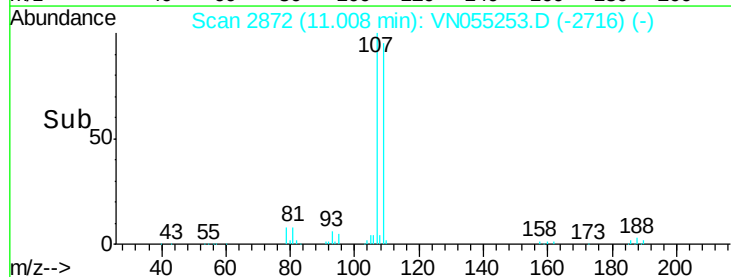
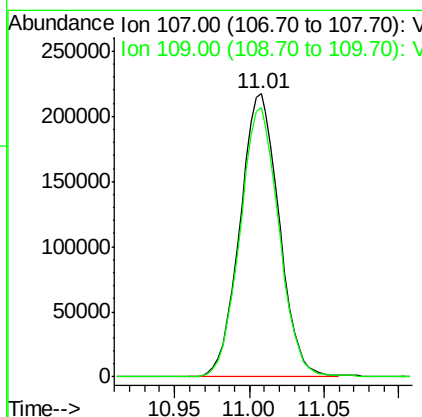
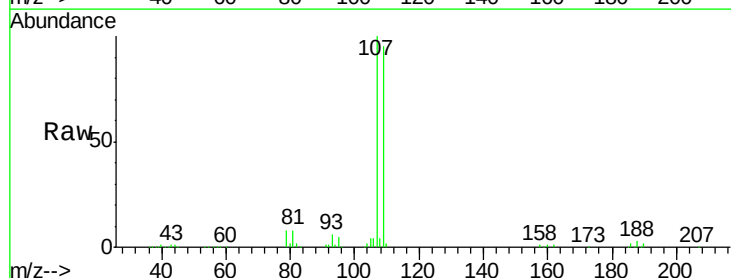
Manual Integrations
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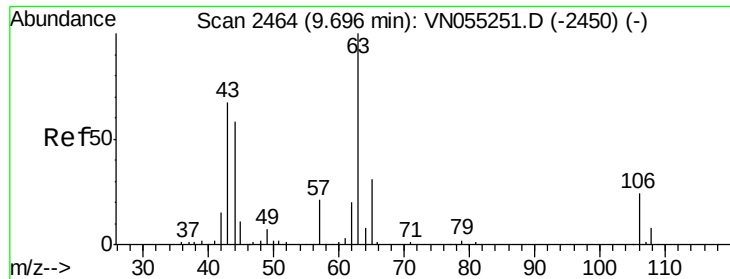
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#54
 1,2-Dibromoethane
 Concen: 106.677 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN055253.D
 Acq: 25 Apr 2019 19:15

Tgt Ion:107 Resp: 395209
 Ion Ratio Lower Upper
 107 100
 109 95.0 75.2 112.8





#55

2-Chloroethyl vinyl ether

Concen: 517.970 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055253.D

Acq: 25 Apr 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

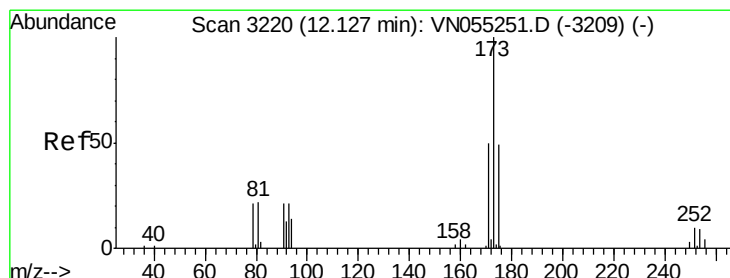
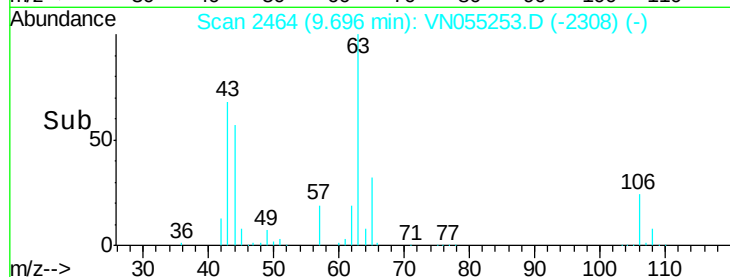
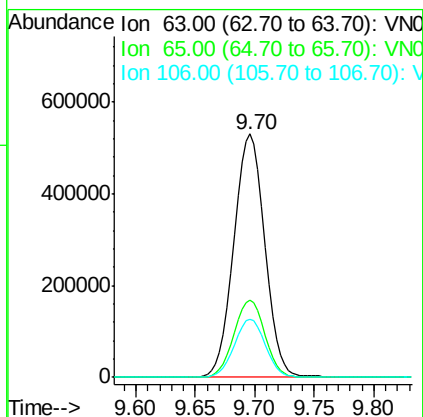
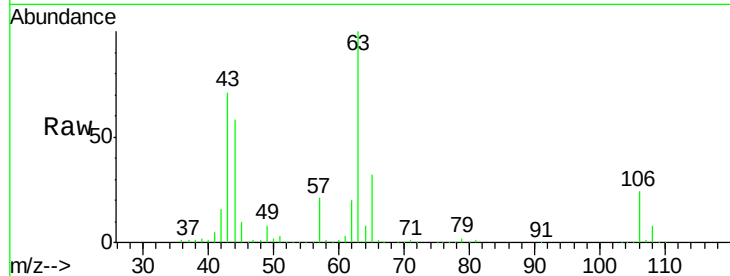
VSTDIC100

Tot Ion: 63 Resp: 959017
Ion Ratio Lower Upper

63	100		
65	31.8	25.1	37.7
106	23.9	19.4	29.0

Manual Integrations
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4/26/2019 10:52:51 AM



#56

Bromoform

Concen: 113.508 ug/l

RT: 12.13 min Scan# 3220

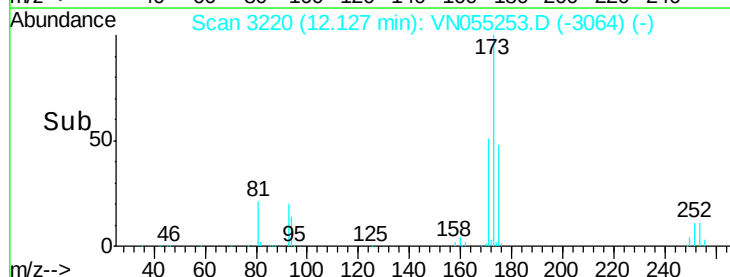
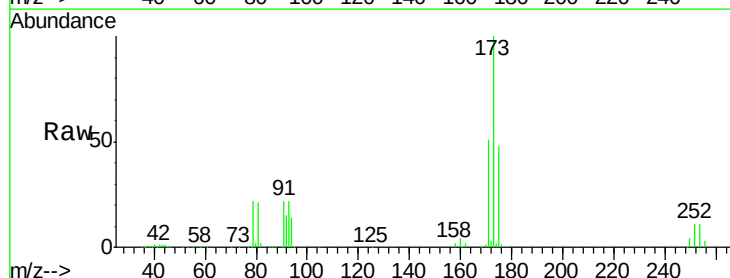
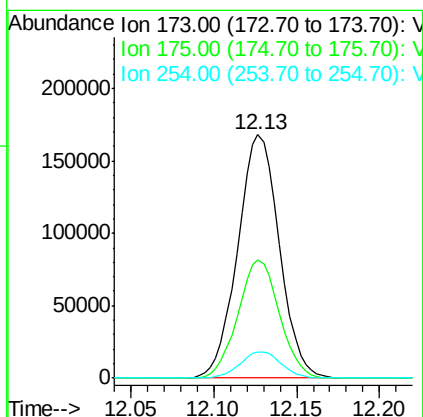
Delta R.T. 0.00 min

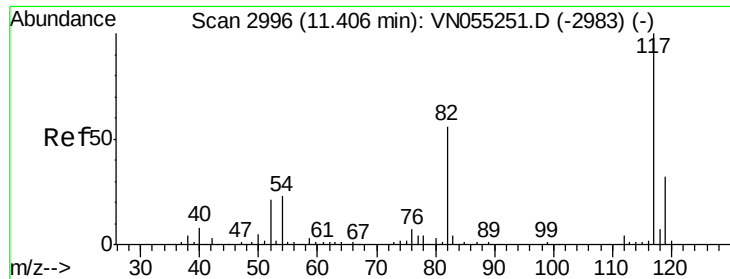
Lab File: VN055253.D

Acq: 25 Apr 2019 19:15

Tgt Ion: 173 Resp: 293057
Ion Ratio Lower Upper

173	100		
175	48.5	37.7	56.5
254	10.7	7.8	11.6





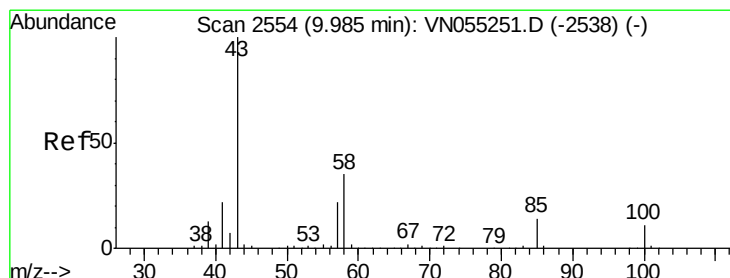
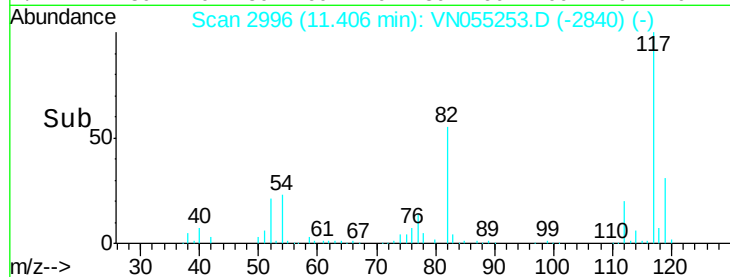
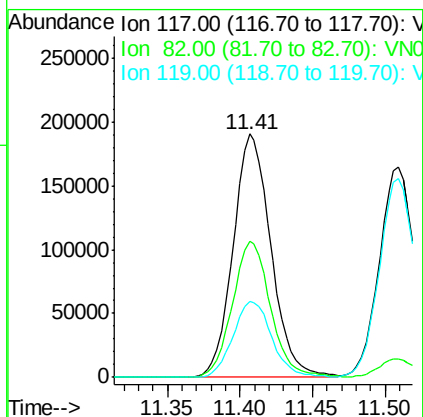
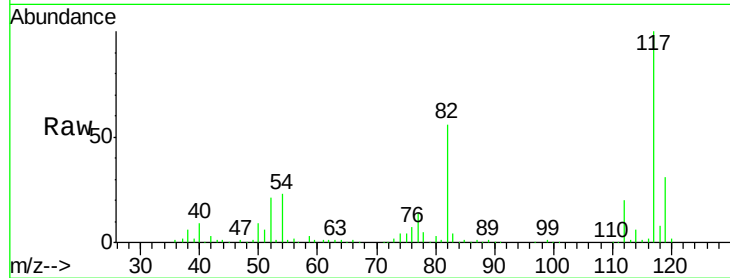
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055253.D
Acq: 25 Apr 2019 19:15

Instrument :
MSVOA_N
ClientSampled :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.3	45.3	67.9
119	32.0	25.4	38.0

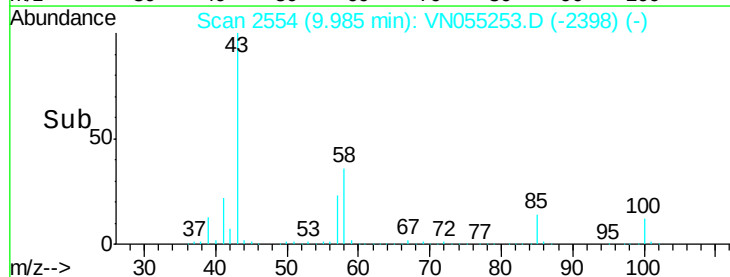
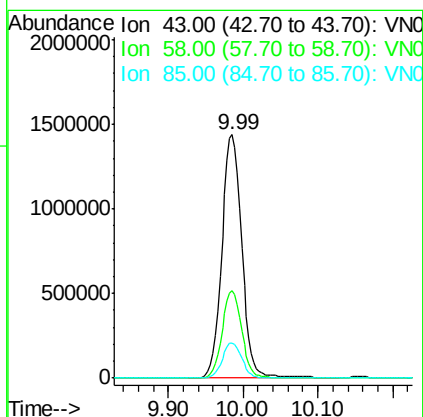
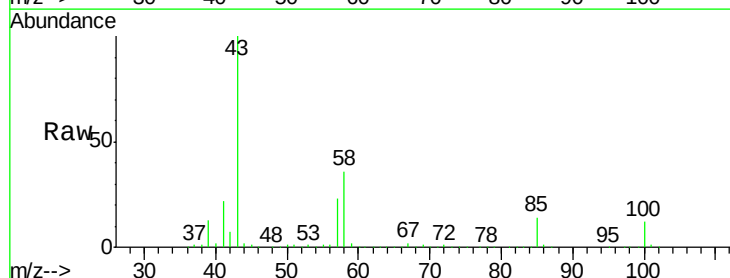
Manual Integrations
APPROVED

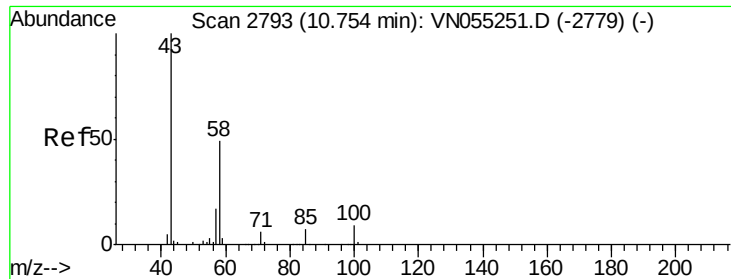
MMdadoda
4/26/2019 10:52:51 AM



#58
4-Methyl-2-Pentanone
Concen: 610.142 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN055253.D
Acq: 25 Apr 2019 19:15

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.4	28.6	43.0
85	14.2	11.4	17.2





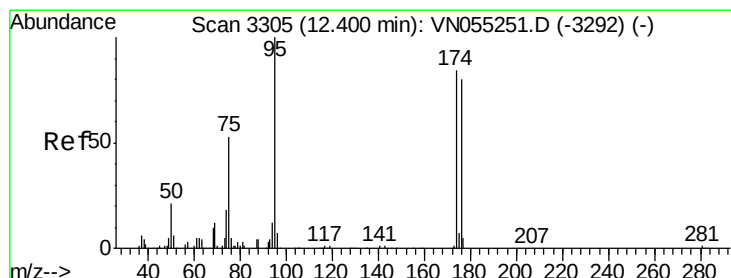
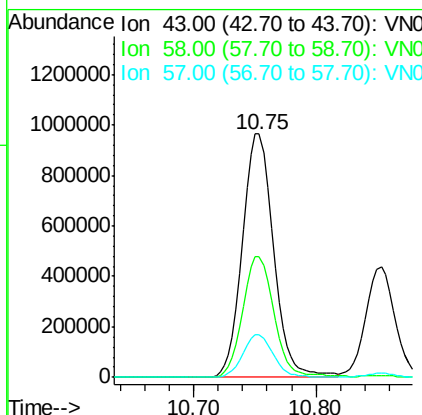
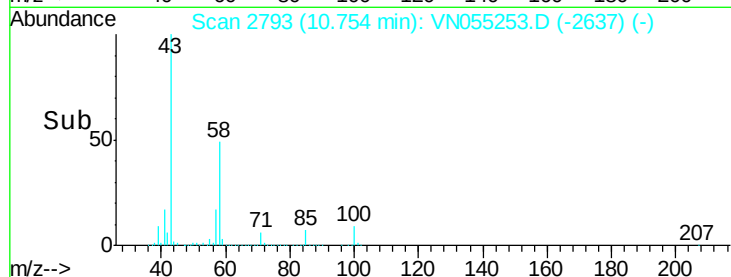
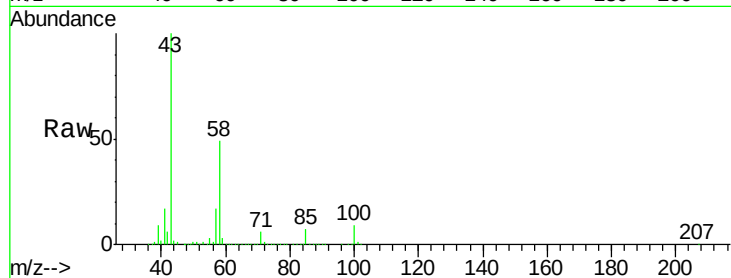
#59
2-Hexanone
Concen: 620.679 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055253.D
Acq: 25 Apr 2019 19:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1696572
Ion Ratio Lower Upper
43 100
58 49.9 39.0 58.6
57 17.4 13.4 20.2

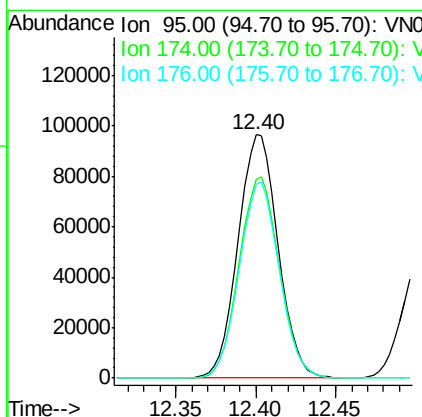
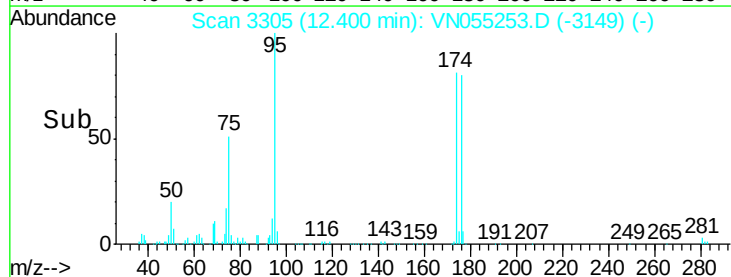
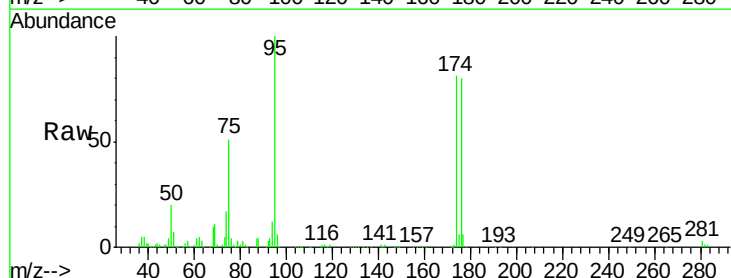
Manual Integrations
APPROVED

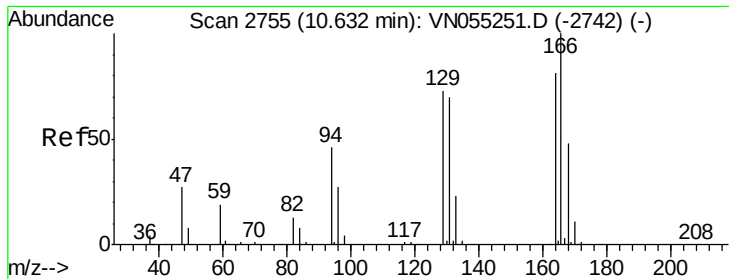
MMdadoda
4/26/2019 10:52:51 AM



#60
4-Bromofluorobenzene
Concen: 30.702 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055253.D
Acq: 25 Apr 2019 19:15

Tgt Ion: 95 Resp: 164659
Ion Ratio Lower Upper
95 100
174 83.4 68.1 102.1
176 80.8 65.8 98.6





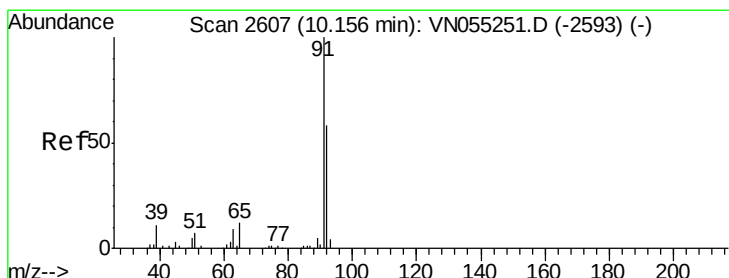
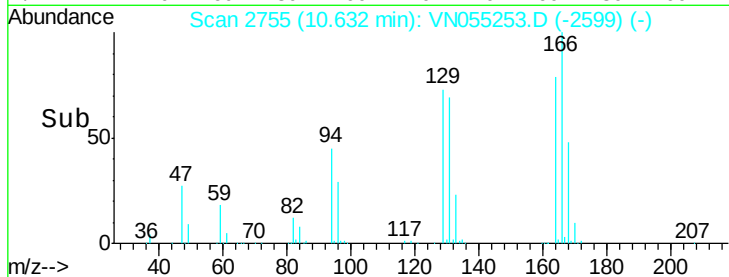
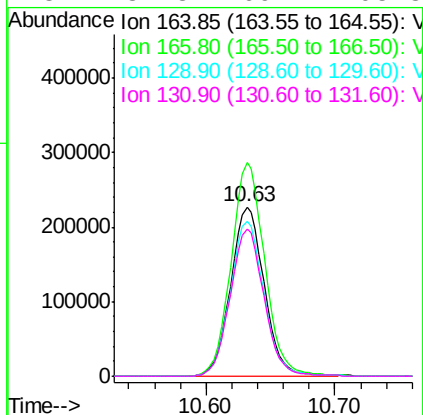
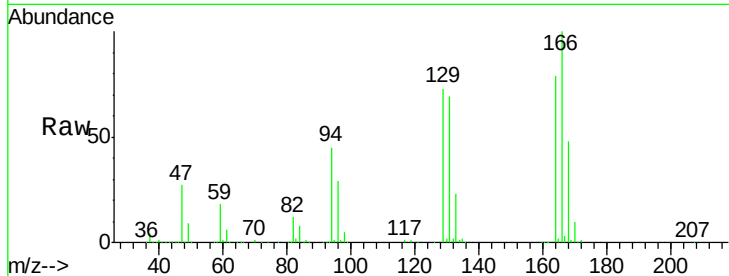
#61
Tetrachloroethene
Concen: 90.469 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055253.D
Acq: 25 Apr 2019 19:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
164	100		
166	126.2	98.6	147.8
129	91.5	72.4	108.6
131	87.3	69.2	103.8

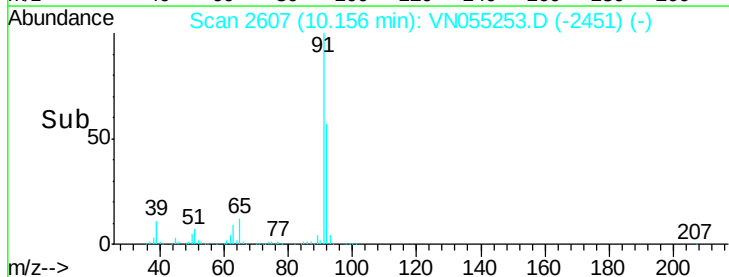
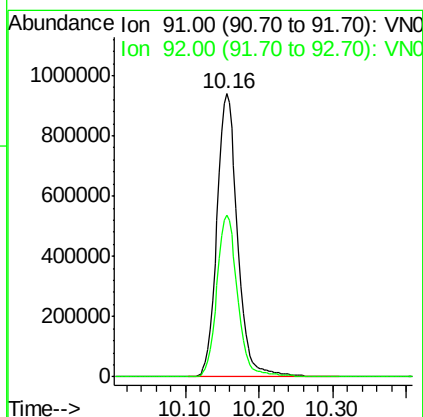
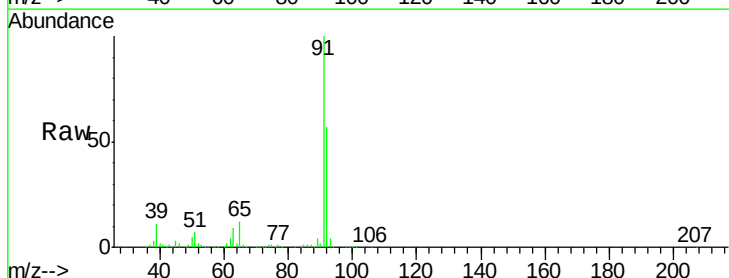
Manual Integrations
APPROVED

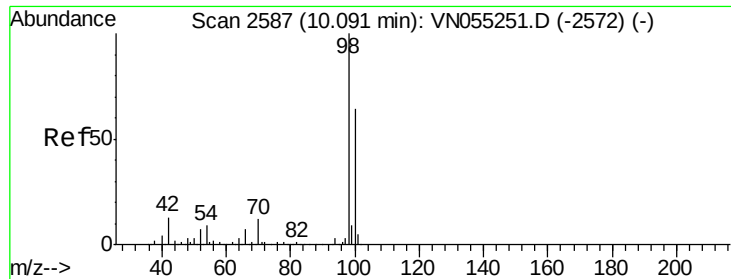
MMDadoda
4/26/2019 10:52:51 AM



#62
Toluene
Concen: 94.715 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN055253.D
Acq: 25 Apr 2019 19:15

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.5	44.3	66.5





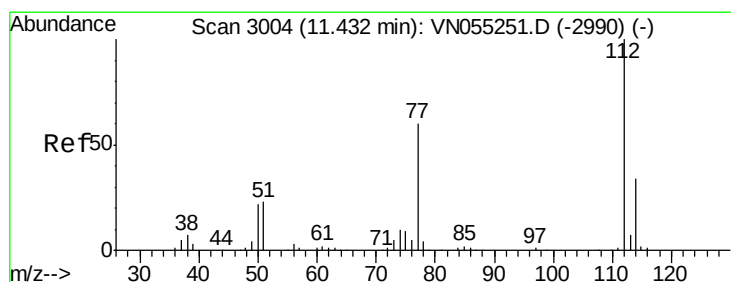
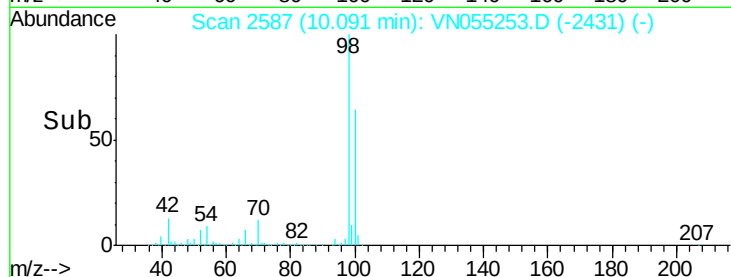
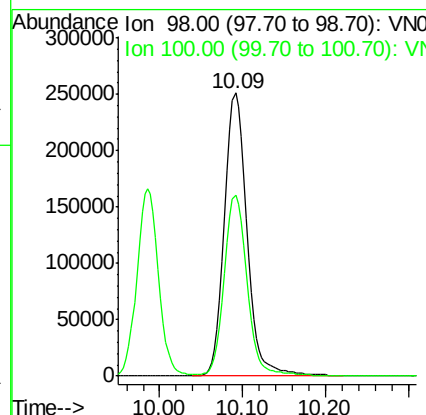
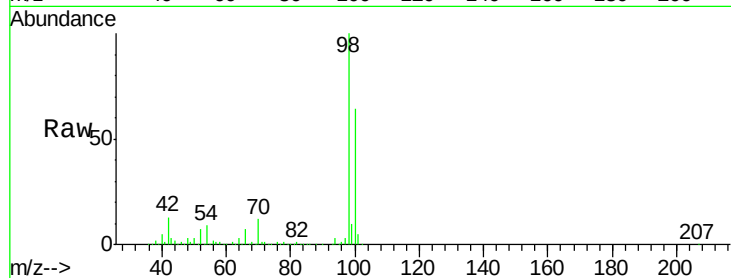
#63
Toluene-d8
Concen: 29.030 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055253.D
Acq: 25 Apr 2019 19:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 98 Resp: 476671
Ion Ratio Lower Upper
98 100
100 62.3 50.0 75.0

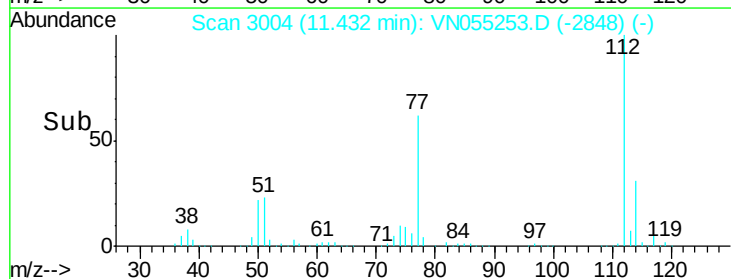
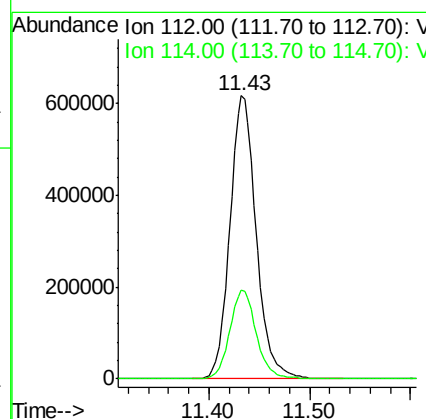
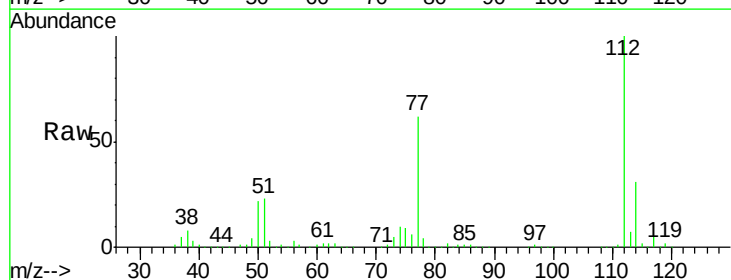
Manual Integrations
APPROVED

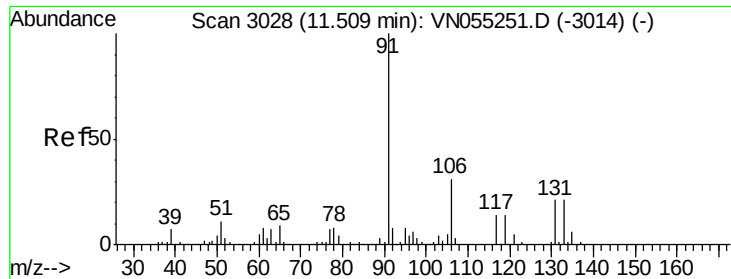
MMdadoda
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#64
Chlorobenzene
Concen: 97.111 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055253.D
Acq: 25 Apr 2019 19:15

Tgt Ion: 112 Resp: 1121881
Ion Ratio Lower Upper
112 100
114 31.2 26.9 40.3





#65

1,1,1,2-Tetrachloroethane

Concen: 99.363 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055253.D

Acq: 25 Apr 2019 19:15

Instrument :

MSVOA_N

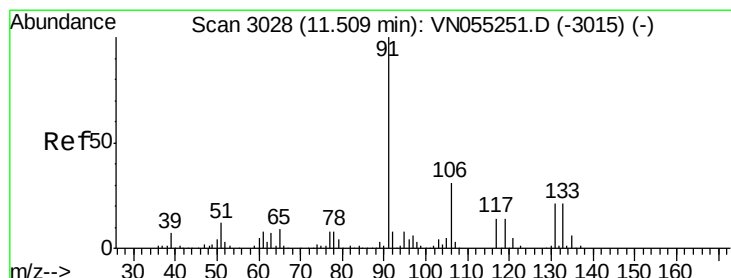
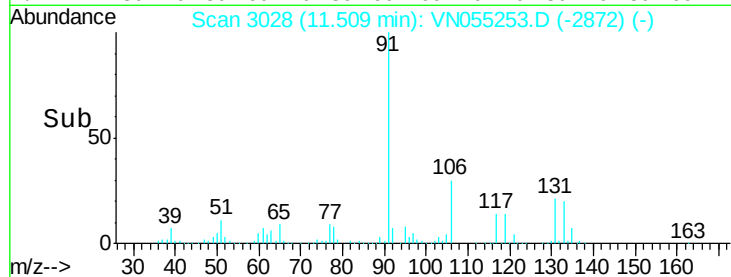
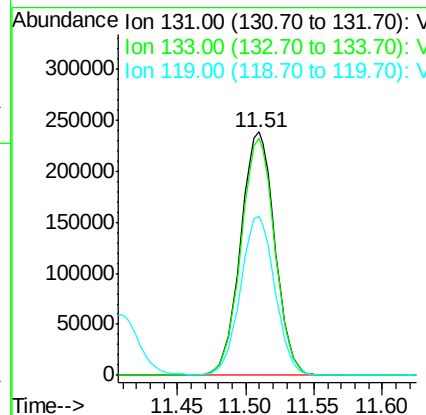
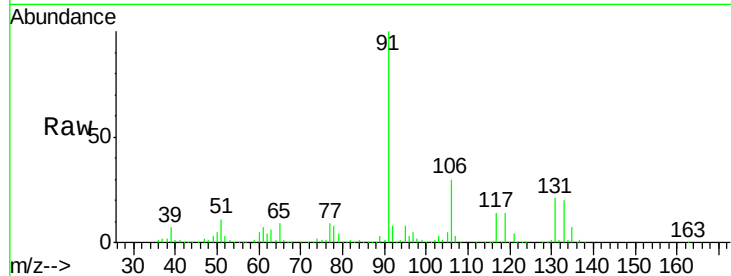
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
131	100	414006		
133	96.3	0.0	195.6	
119	65.7	0.0	135.0	

Manual Integrations
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#66

Ethyl Benzene

Concen: 97.650 ug/l

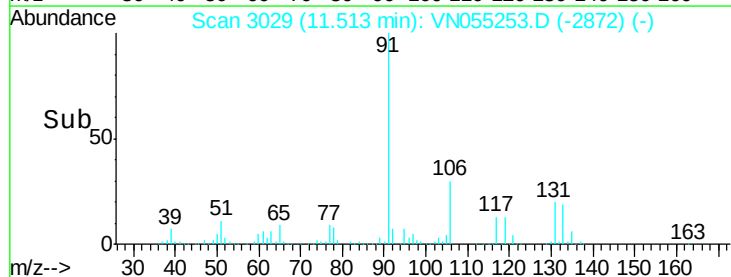
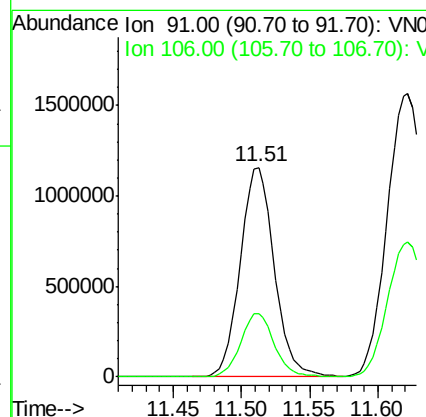
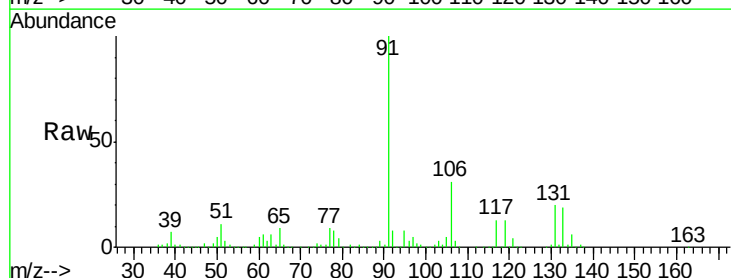
RT: 11.51 min Scan# 3029

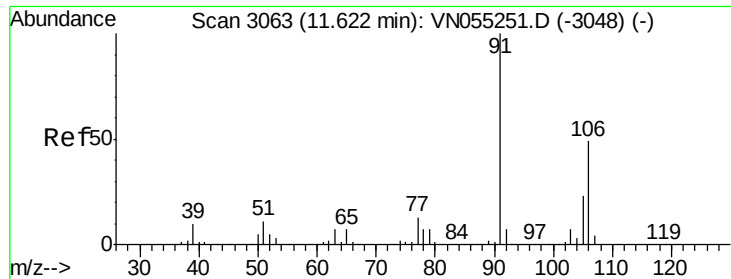
Delta R.T. 0.00 min

Lab File: VN055253.D

Acq: 25 Apr 2019 19:15

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	2008267		
106	30.5	24.5	36.7	





#67

m/p-Xylenes

Concen: 193.572 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN055253.D

Acq: 25 Apr 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:106 Resp: 1476846

Ion Ratio Lower Upper

106 100

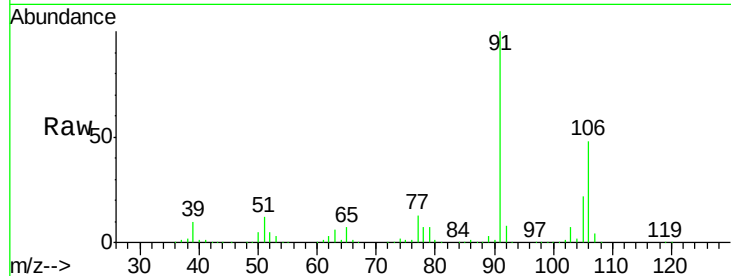
91 210.1 165.4 248.2

Manual Integrations

APPROVED

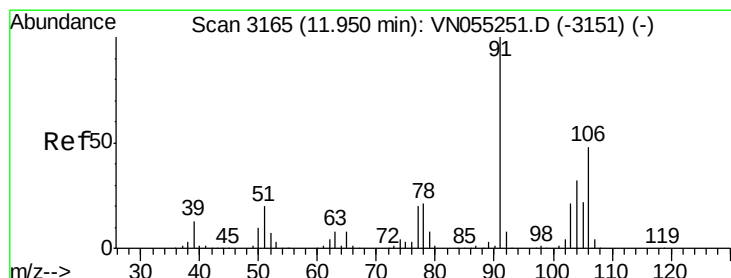
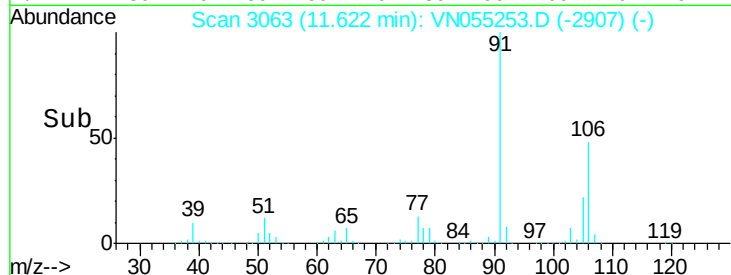
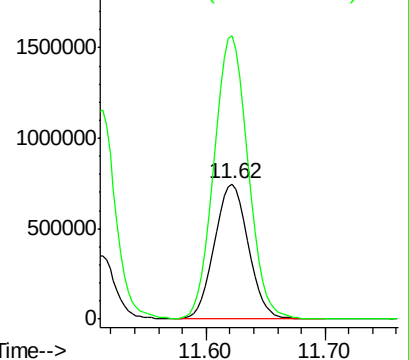
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 96.698 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN055253.D

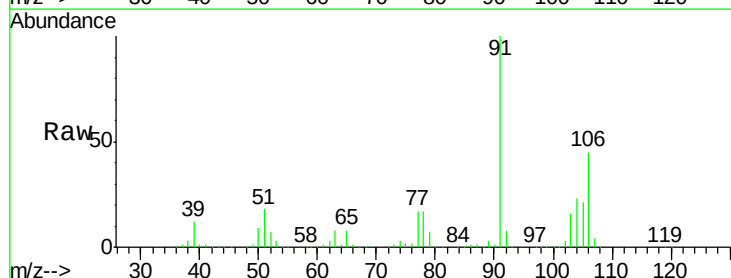
Acq: 25 Apr 2019 19:15

Tgt Ion:106 Resp: 734470

Ion Ratio Lower Upper

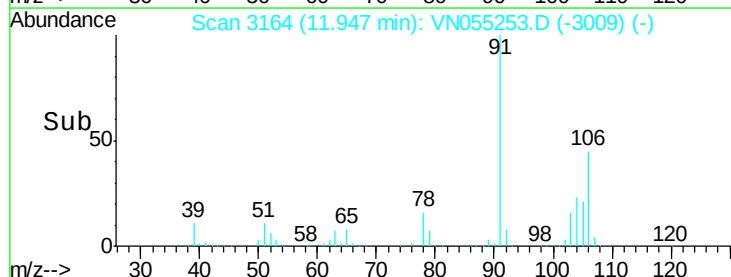
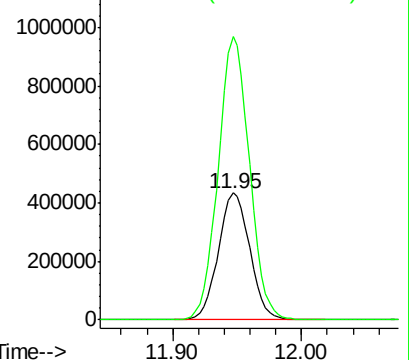
106 100

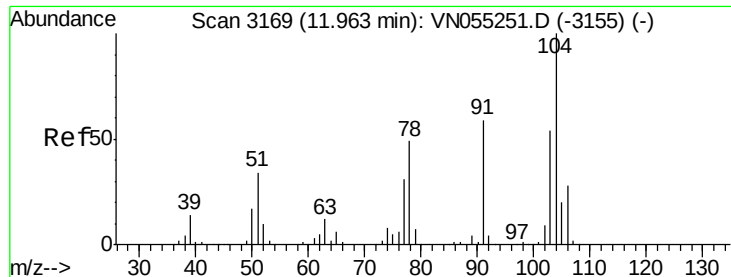
91 221.3 106.8 320.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





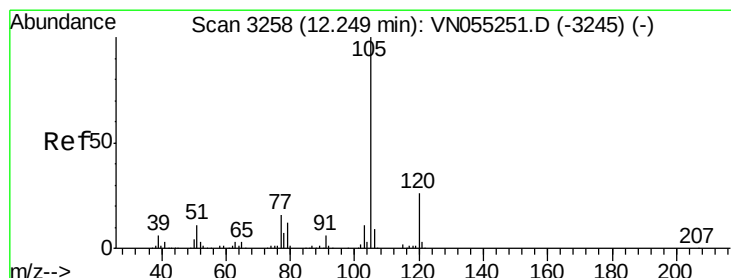
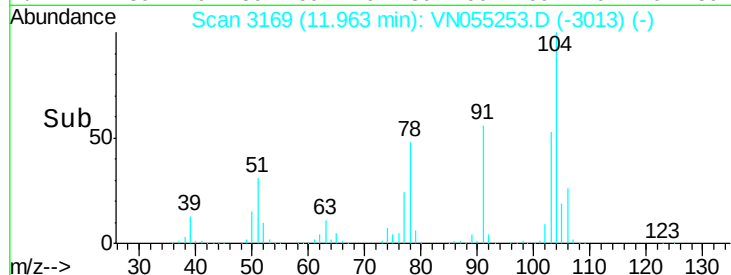
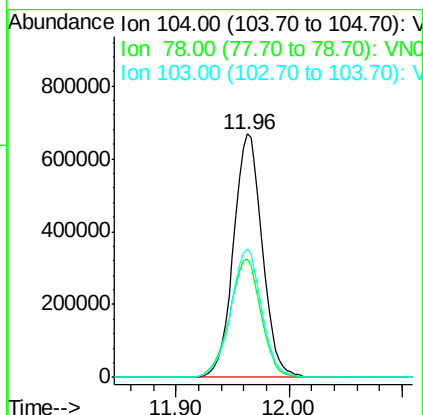
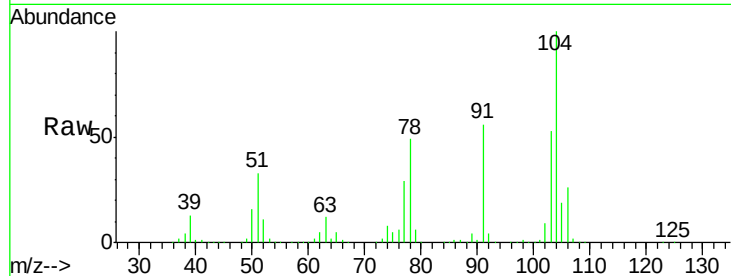
#69
Stvrene
Concen: 100.889 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055253.D
Acq: 25 Apr 2019 19:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:104 Resp: 1180768
Ion Ratio Lower Upper
104 100
78 52.9 42.4 63.6
103 56.3 45.3 67.9

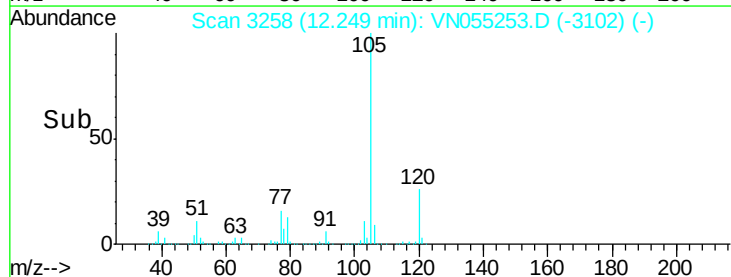
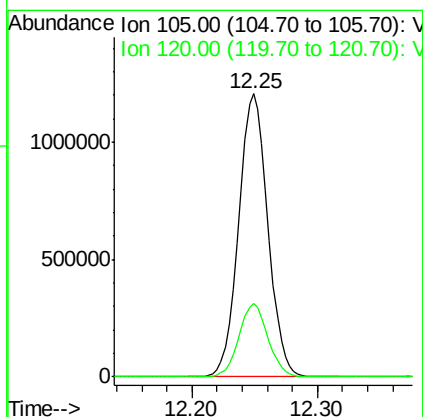
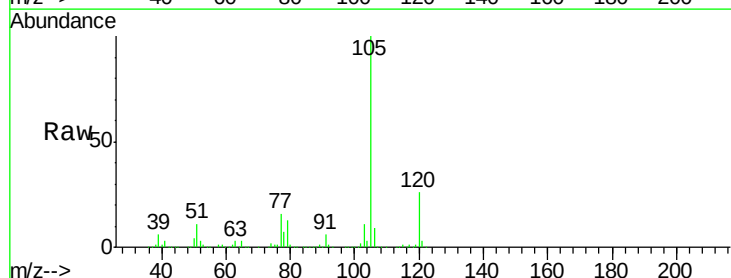
Manual Integrations
APPROVED

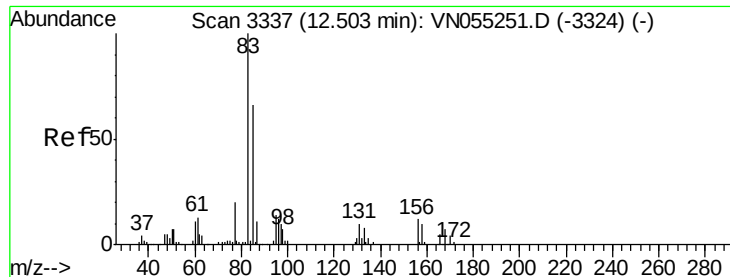
MMdadoda
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#70
Isopropylbenzene
Concen: 96.258 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055253.D
Acq: 25 Apr 2019 19:15

Tgt Ion:105 Resp: 1940950
Ion Ratio Lower Upper
105 100
120 25.8 18.1 33.7





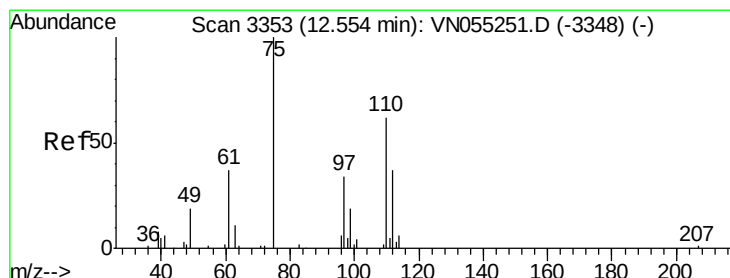
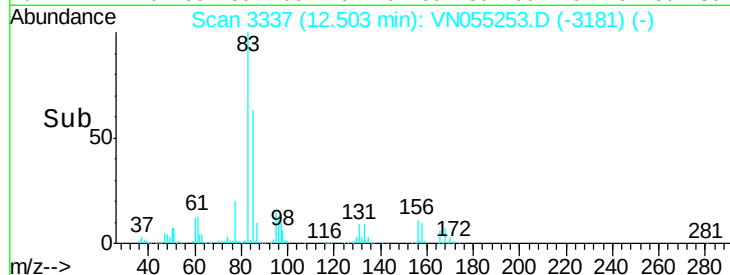
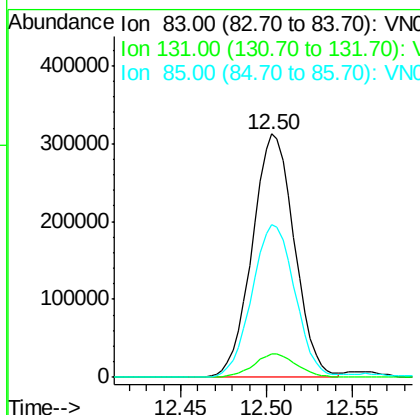
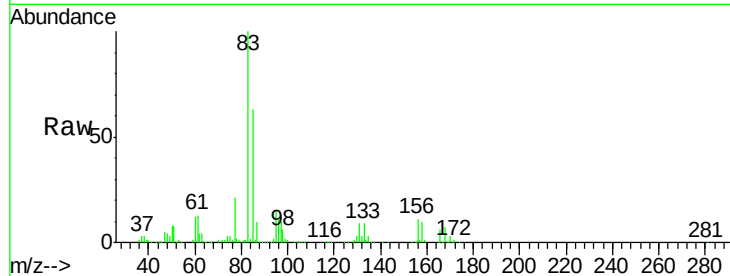
#71
 1,1,2,2-Tetrachloroethane
 Concen: 110.569 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN055253.D
 Acq: 25 Apr 2019 19:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	9.9	5.0	14.9	
85	63.9	32.3	96.8	

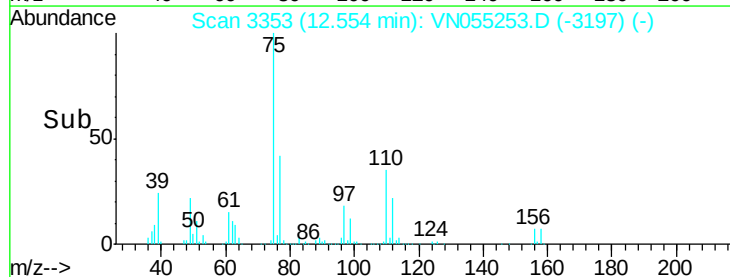
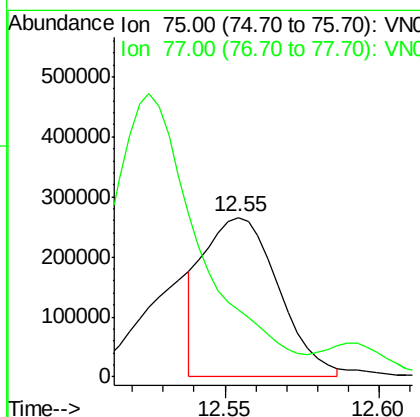
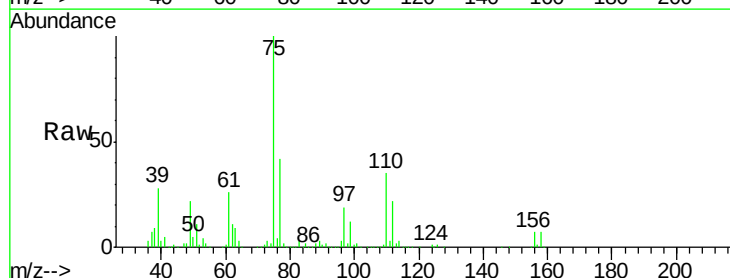
Manual Integrations
 APPROVED

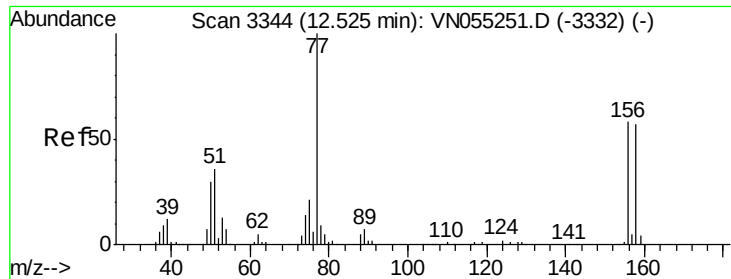
MMDadoda
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#72
 1,2,3-Trichloropropane
 Concen: 112.427 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN055253.D
 Acq: 25 Apr 2019 19:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	216.5	0.0	410.2	





#73

Bromobenzene

Concen: 98.947 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055253.D

Acq: 25 Apr 2019 19:15

Instrument :

MSVOA_N

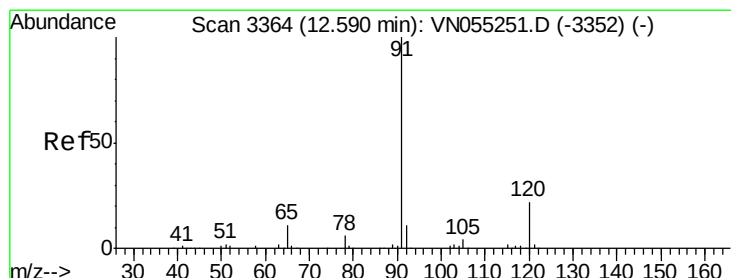
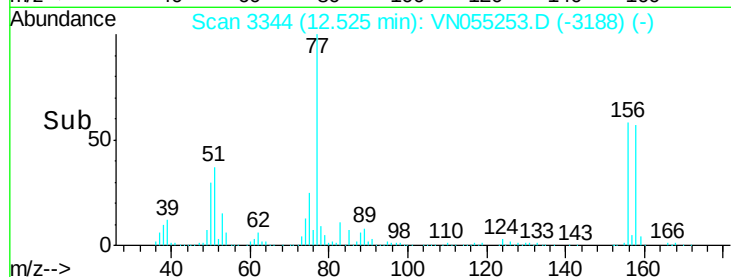
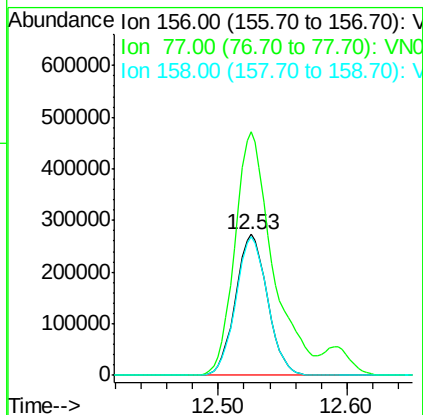
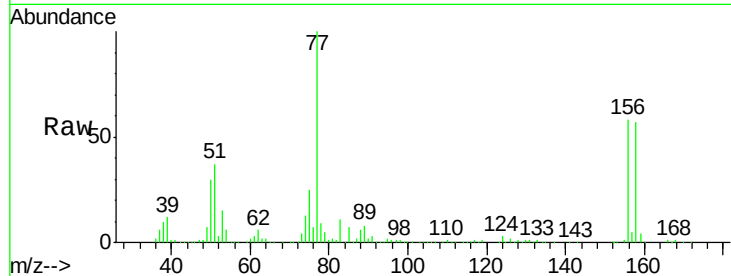
ClientSampleId :

VSTDIC100

Tot Ion:	156	Resp:	470957
Ion Ratio	Lower	Upper	
156	100		
77	204.5	0.0	403.2
158	97.6	0.0	195.8

Manual Integrations
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#74

n-propylbenzene

Concen: 99.104 ug/l

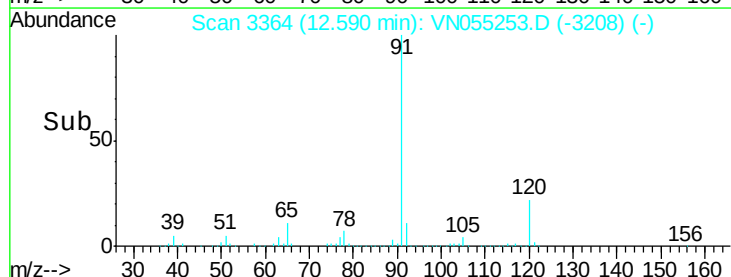
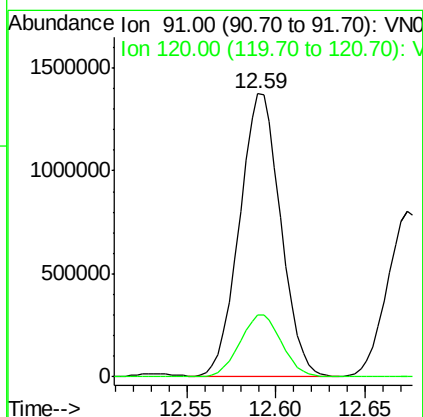
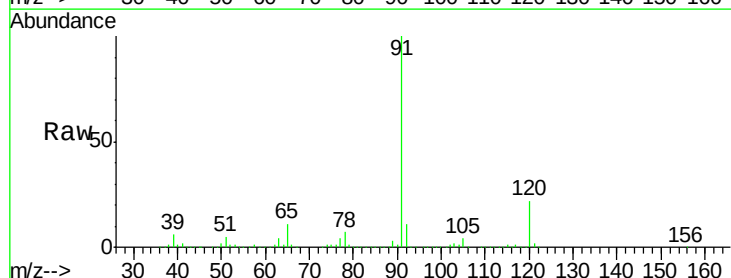
RT: 12.59 min Scan# 3364

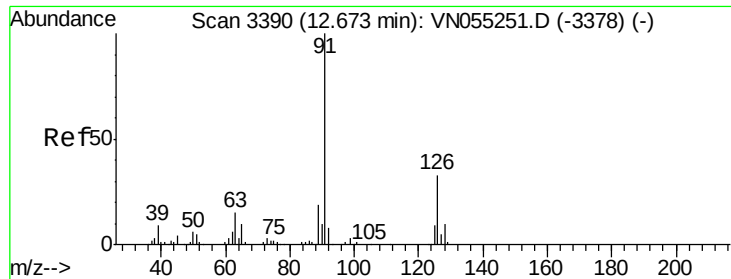
Delta R.T. 0.00 min

Lab File: VN055253.D

Acq: 25 Apr 2019 19:15

Tgt Ion:	91	Resp:	2226055
Ion Ratio	Lower	Upper	
91	100		
120	22.0	0.0	43.6





#75

2-Chlorotoluene

Concen: 98.753 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055253.D

Acq: 25 Apr 2019 19:15

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 91 Resp: 1344584

Ion Ratio Lower Upper

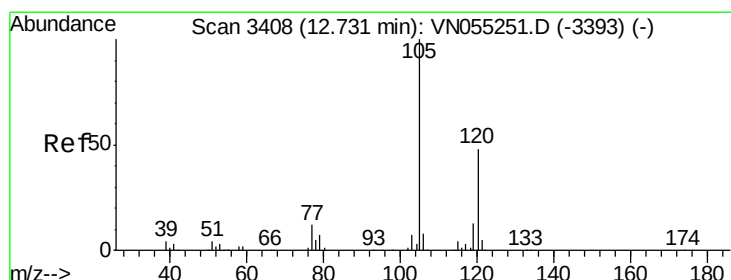
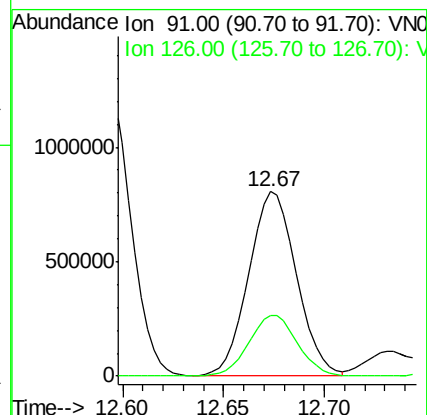
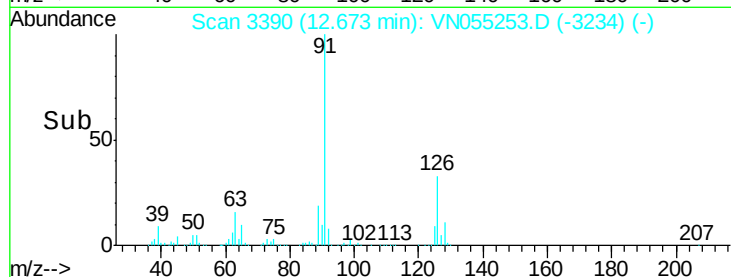
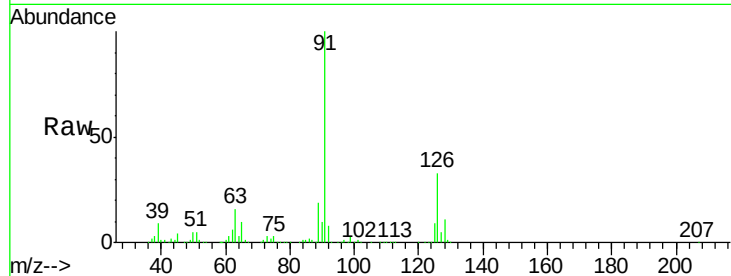
91 100

126 33.3 0.0 65.8

Manual Integrations
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#76

1,3,5-Trimethylbenzene

Concen: 98.911 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055253.D

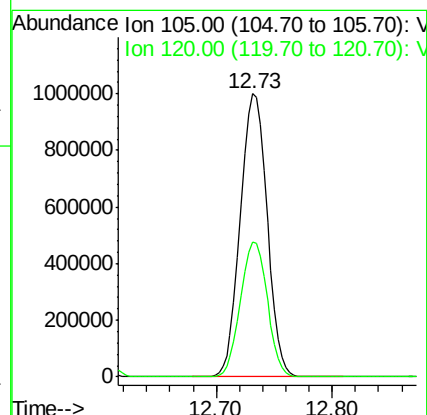
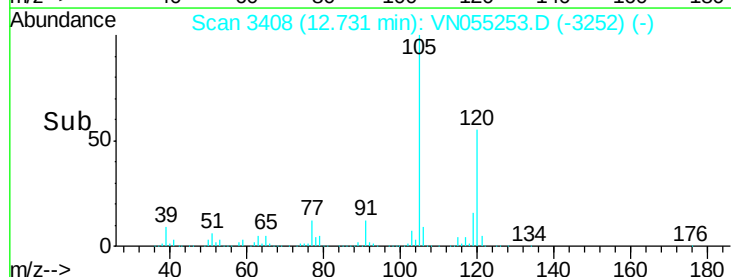
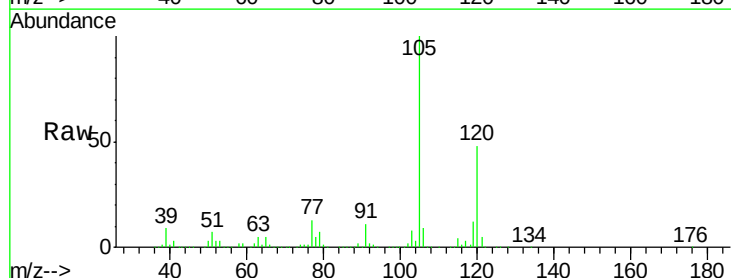
Acq: 25 Apr 2019 19:15

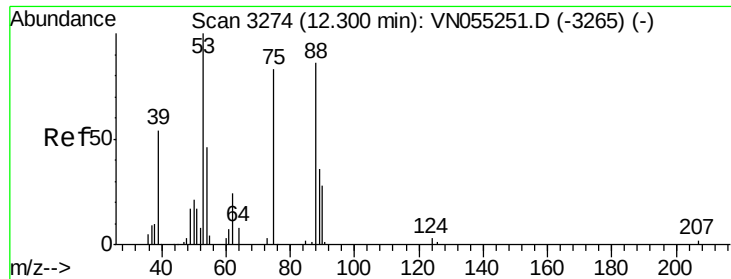
Tgt Ion: 105 Resp: 1608271

Ion Ratio Lower Upper

105 100

120 47.8 0.0 94.8





#77

t-1,4-Dichloro-2-butene

Concen: 134.202 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055253.D

Acq: 25 Apr 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 137098

Ion Ratio Lower Upper

75 100

53 103.7 59.5 178.5

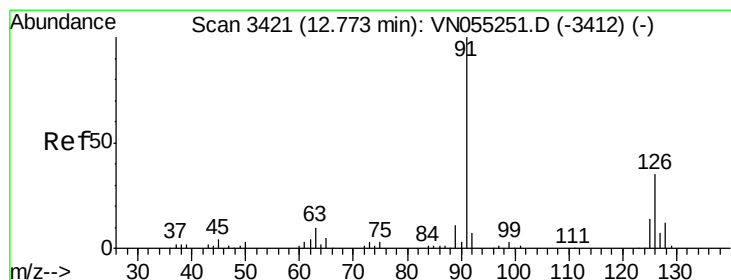
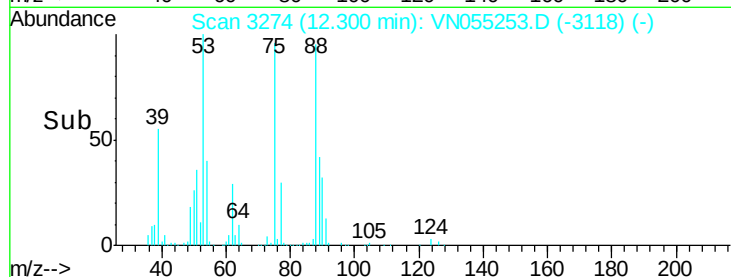
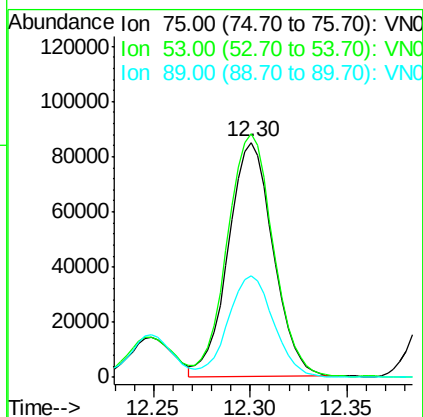
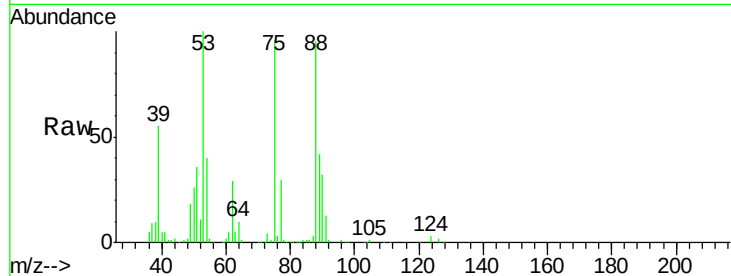
89 43.5 23.1 69.2

Manual Integrations

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#78

4-Chlorotoluene

Concen: 103.233 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055253.D

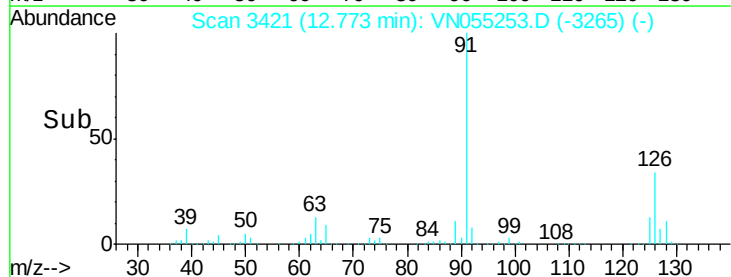
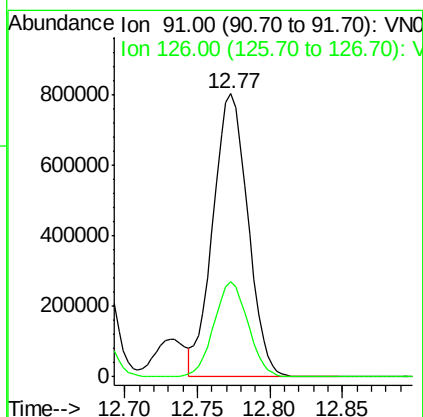
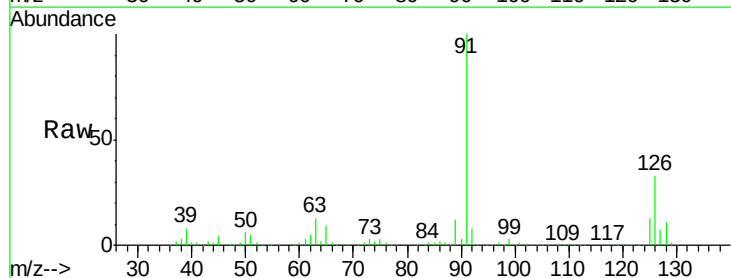
Acq: 25 Apr 2019 19:15

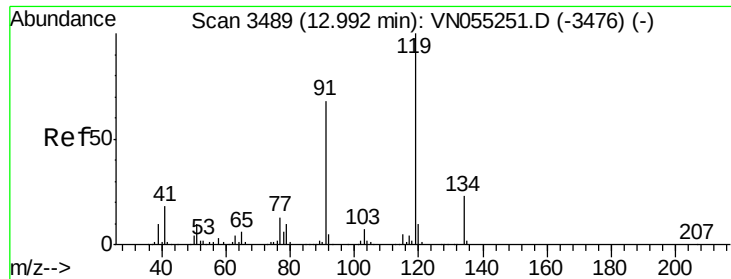
Tgt Ion: 91 Resp: 1340768

Ion Ratio Lower Upper

91 100

126 32.8 0.0 66.8





#79

tert-butylbenzene

Concen: 97.497 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055253.D

Acq: 25 Apr 2019 19:15

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion:119 Resp: 1375006

Ion Ratio Lower Upper

119 100

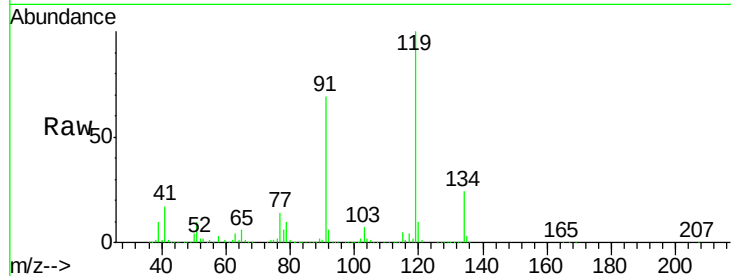
91 67.9 0.0 135.6

134 24.1 0.0 47.8

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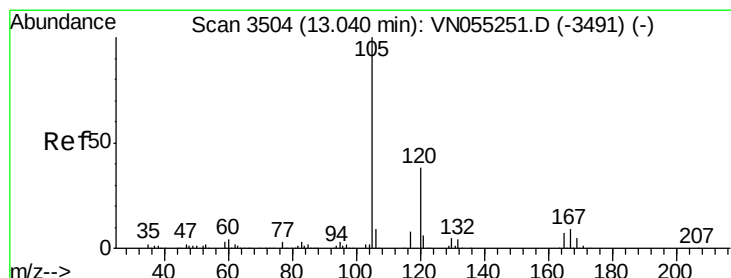
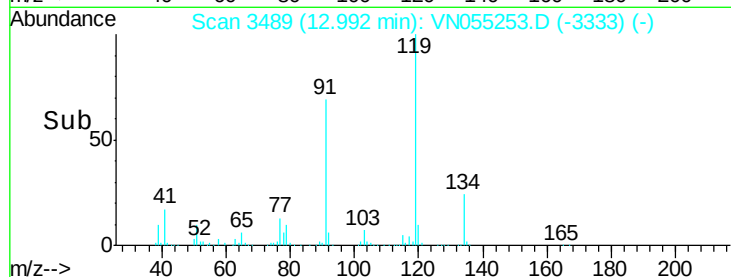
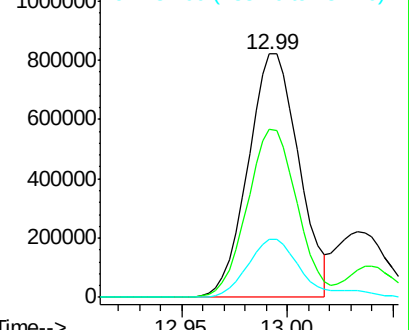
4/26/2019 10:52:51 AM



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 100.544 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN055253.D

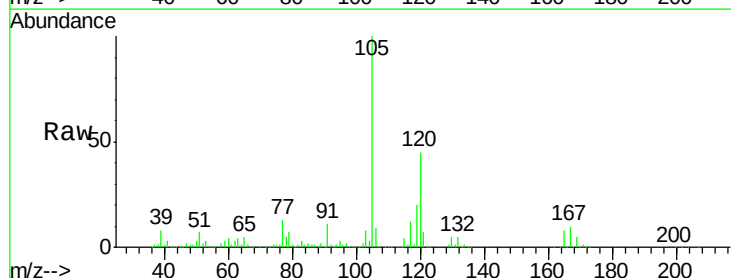
Acq: 25 Apr 2019 19:15

Tgt Ion:105 Resp: 1612668

Ion Ratio Lower Upper

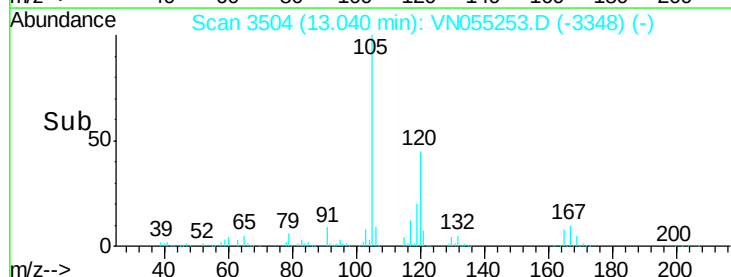
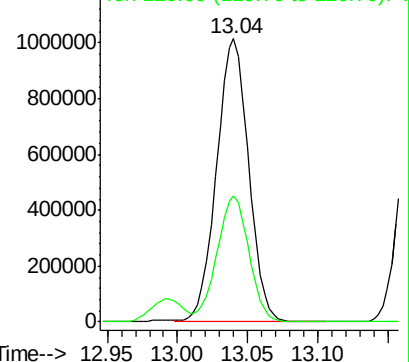
105 100

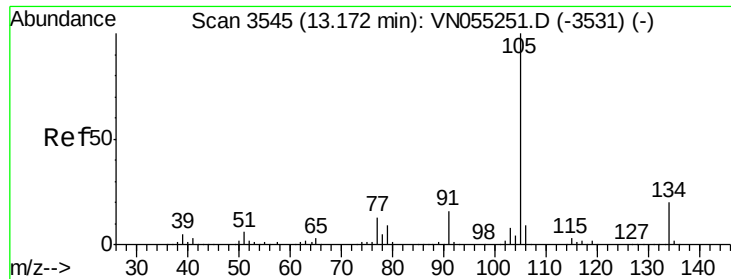
120 44.2 0.0 88.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 98.448 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055253.D

Acq: 25 Apr 2019 19:15

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion:105 Resp: 1846258

Ion Ratio Lower Upper

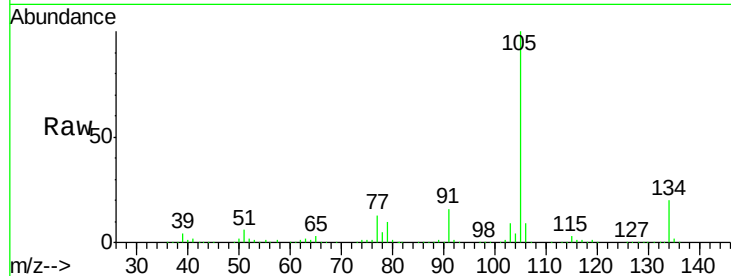
105 100

134 19.7 0.0 39.8

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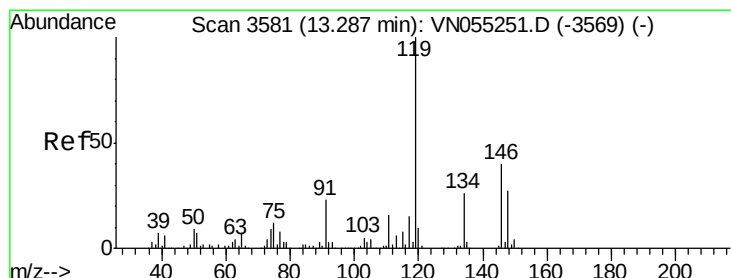
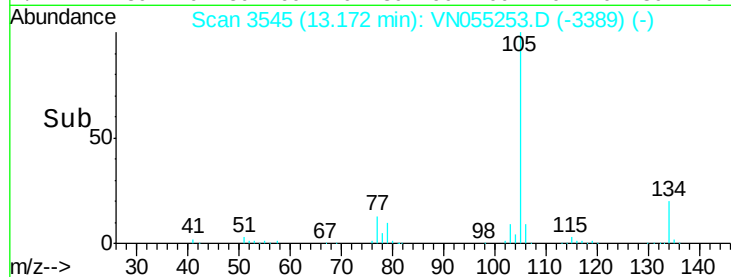
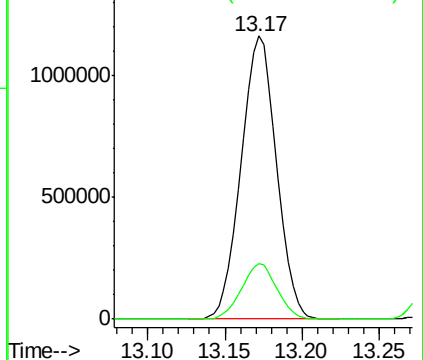
MMdadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 99.746 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055253.D

Acq: 25 Apr 2019 19:15

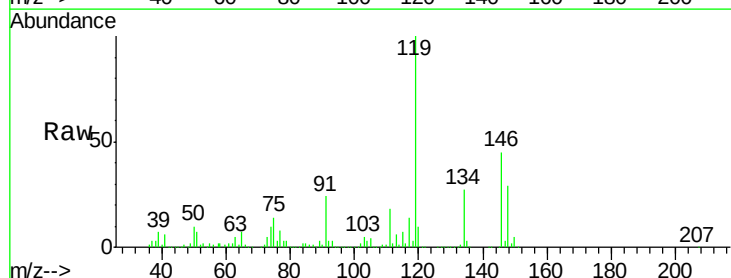
Tgt Ion:119 Resp: 1569582

Ion Ratio Lower Upper

119 100

134 26.4 0.0 53.2

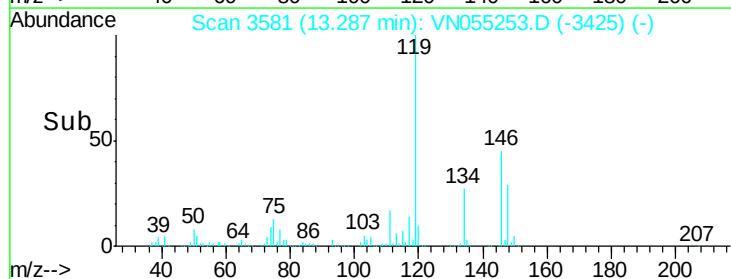
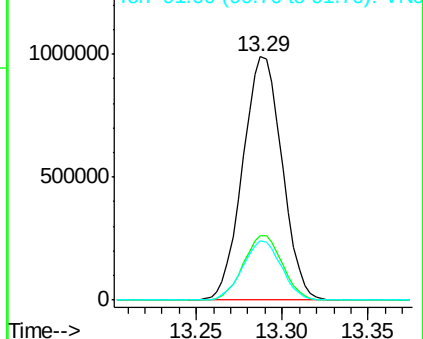
91 24.0 0.0 47.6

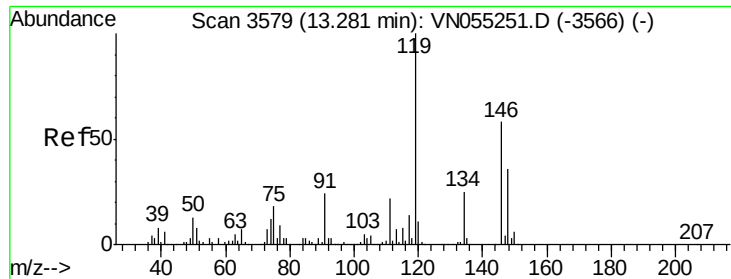


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





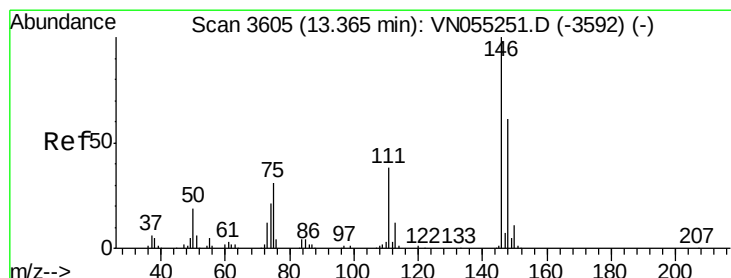
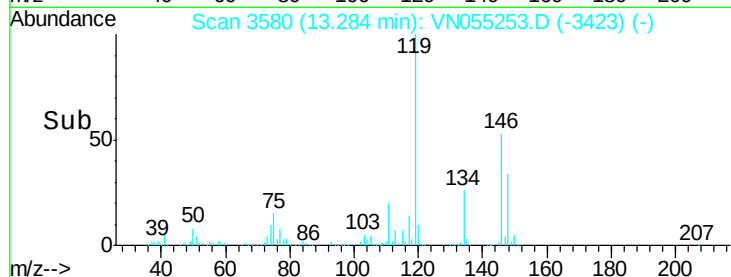
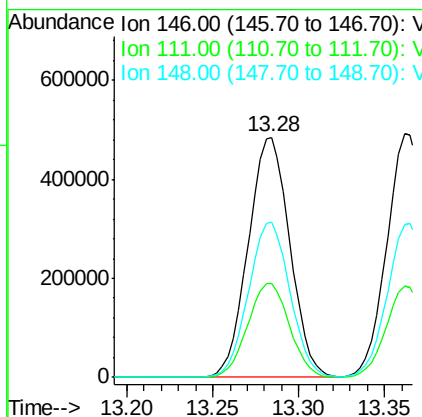
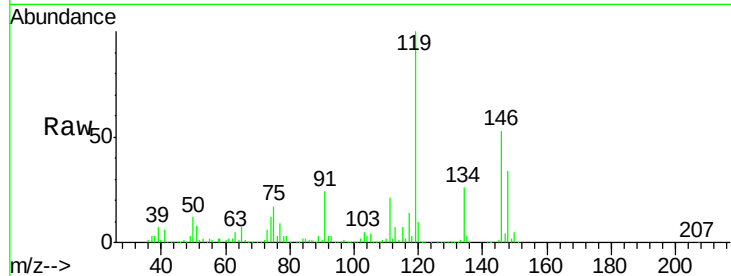
#83
 1,3-Dichlorobenzene
 Concen: 103.041 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN055253.D
 Acq: 25 Apr 2019 19:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.9	59.7
148	64.5	32.8	98.3

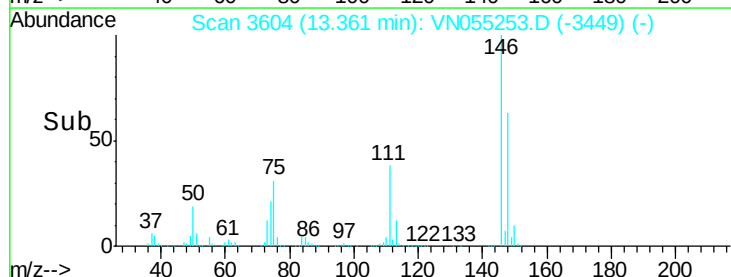
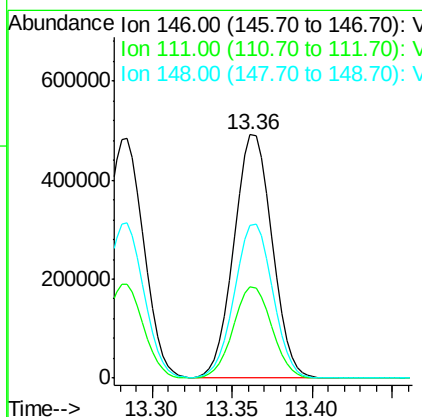
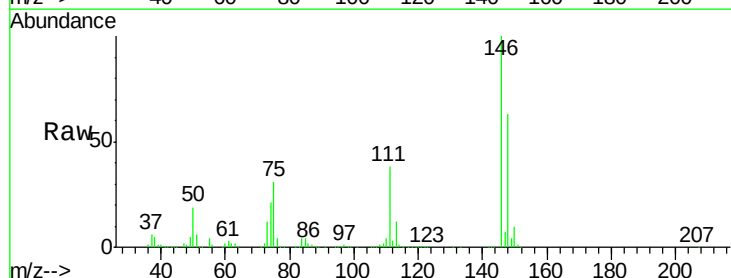
Manual Integrations
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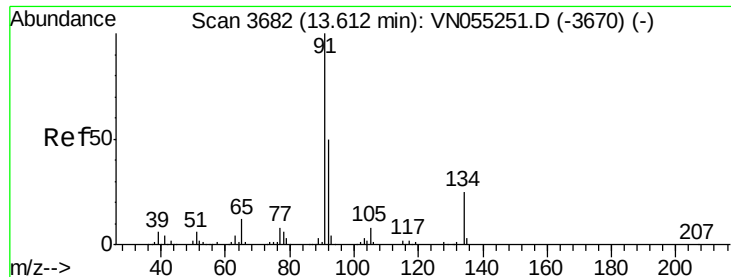
MMDadoda
 4/26/2019 10:52:51 AM



#84
 1,4-Dichlorobenzene
 Concen: 106.913 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN055253.D
 Acq: 25 Apr 2019 19:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.9	56.5
148	63.4	31.4	94.3





#85

n-Butylbenzene

Concen: 108.359 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055253.D

Acq: 25 Apr 2019 19:15

Instrument :

MSVOA_N

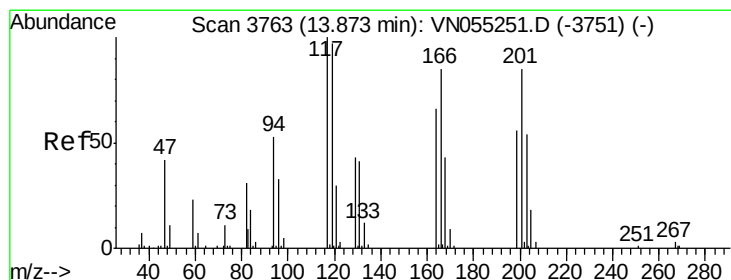
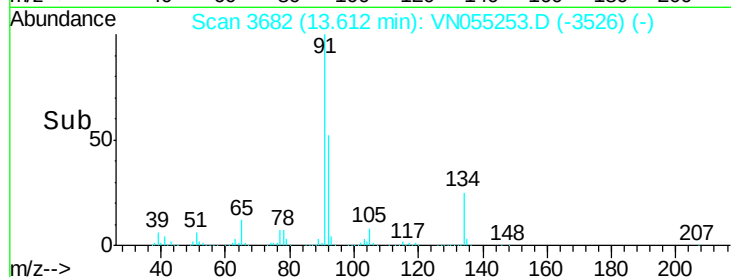
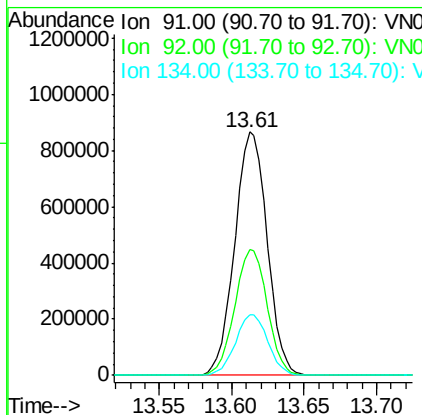
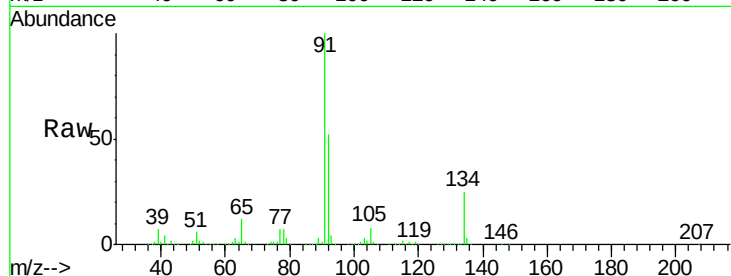
ClientSampleId :

VSTDIC100

Tot Ion:	91	Resp:	1342774
Ion	Ratio	Lower	Upper
91	100		
92	51.8	0.0	102.8
134	24.9	0.0	50.0

Manual Integrations
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#86

Hexachloroethane

Concen: 106.078 ug/l

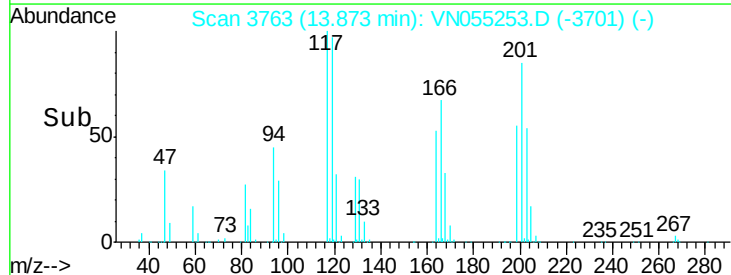
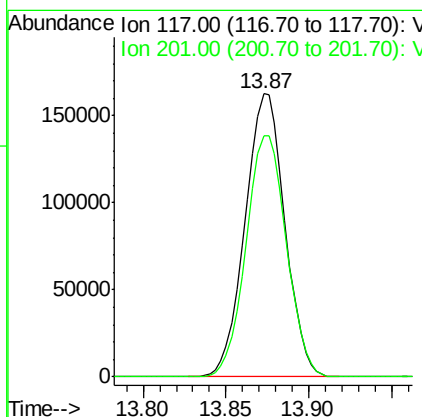
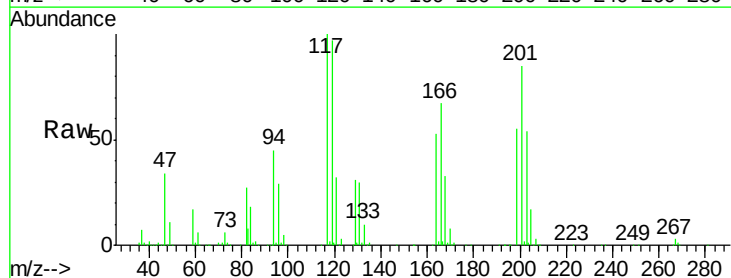
RT: 13.87 min Scan# 3763

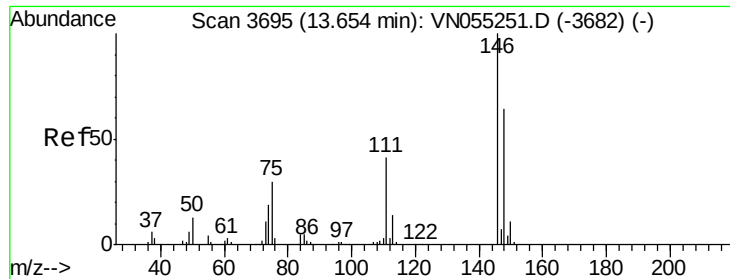
Delta R.T. 0.00 min

Lab File: VN055253.D

Acq: 25 Apr 2019 19:15

Tgt Ion:	117	Resp:	271395
Ion	Ratio	Lower	Upper
117	100		
201	86.5	44.5	133.7





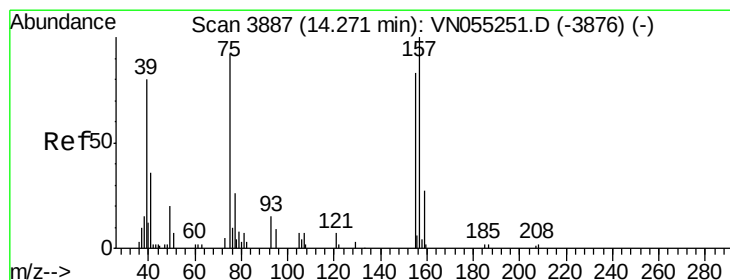
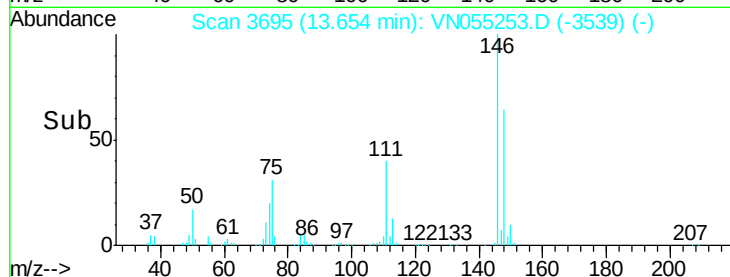
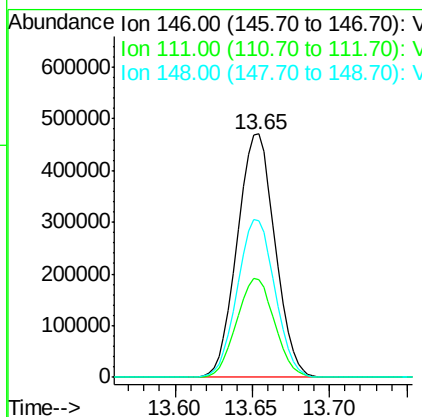
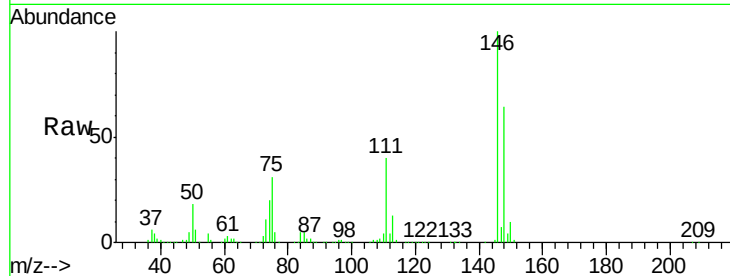
#87
 1,2-Dichlorobenzene
 Concen: 103.059 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055253.D
 Acq: 25 Apr 2019 19:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.8	62.2
148	64.6	31.9	95.5

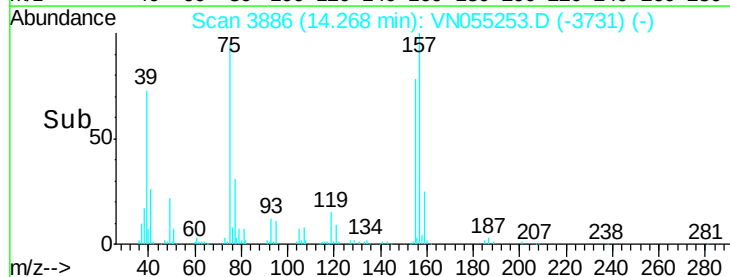
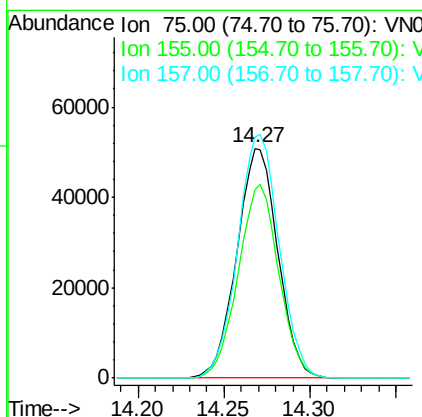
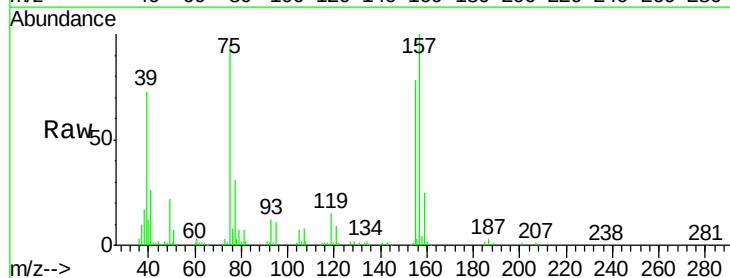
Manual Integrations
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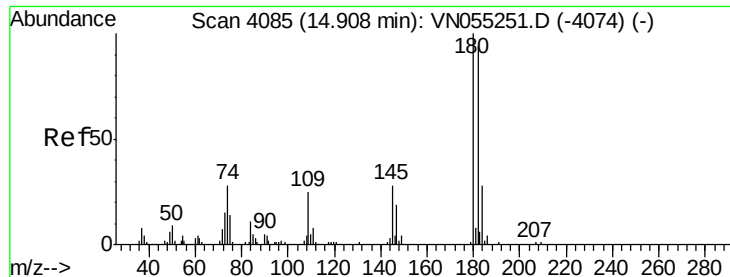
MMDadoda
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 130.491 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN055253.D
 Acq: 25 Apr 2019 19:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.3	70.4	105.6
157	106.7	88.5	132.7





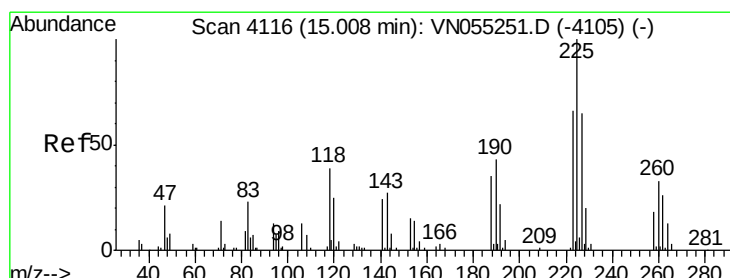
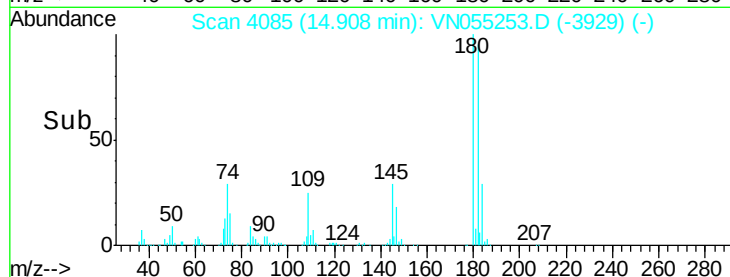
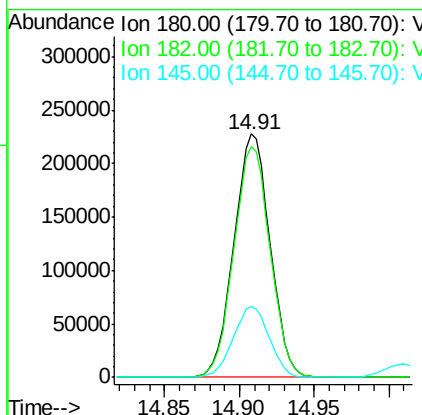
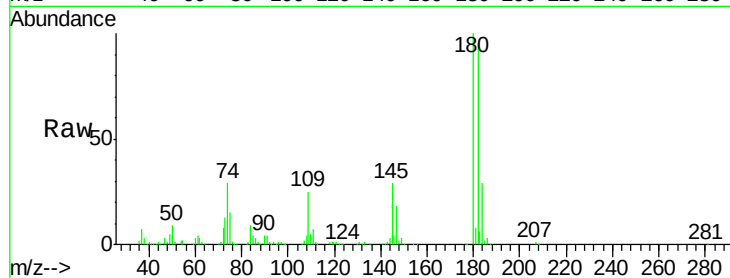
#89
 1,2,4-Trichlorobenzene
 Concen: 112.671 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055253.D
 Acq: 25 Apr 2019 19:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	382157		
182	95.4	74.8	112.2	
145	29.0	23.2	34.8	

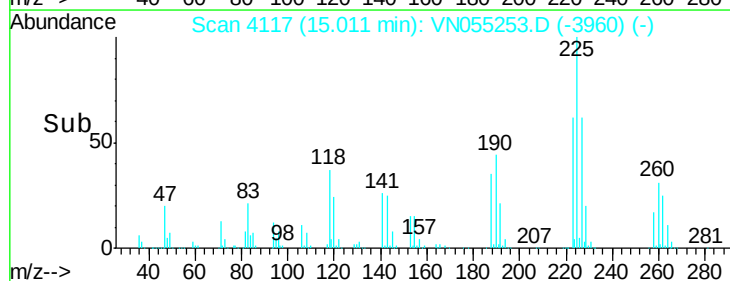
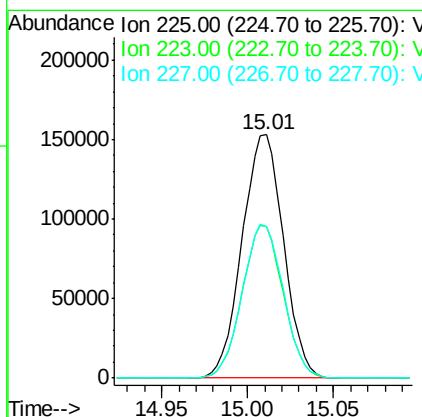
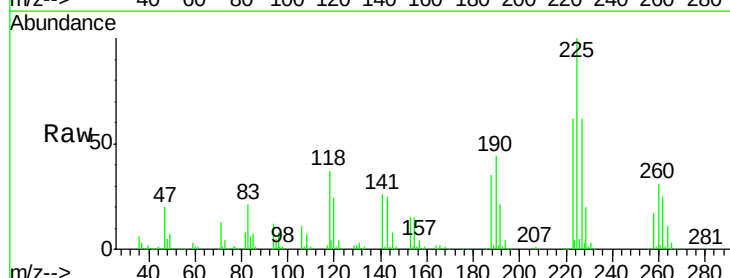
Manual Integrations
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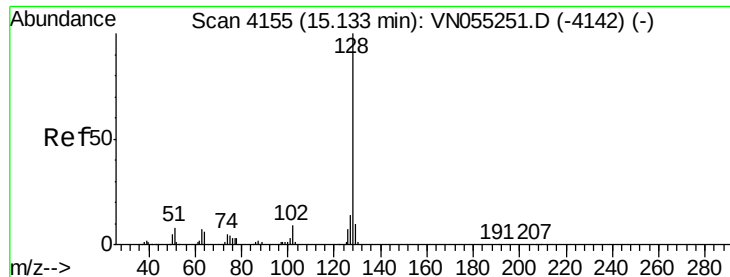
MMdadoda
 4/26/2019 10:52:51 AM



#90
 Hexachlorobutadiene
 Concen: 101.785 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN055253.D
 Acq: 25 Apr 2019 19:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	256300		
223	62.2	0.0	125.2	
227	62.7	0.0	128.4	





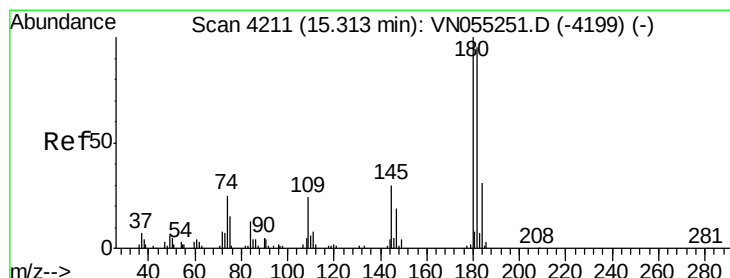
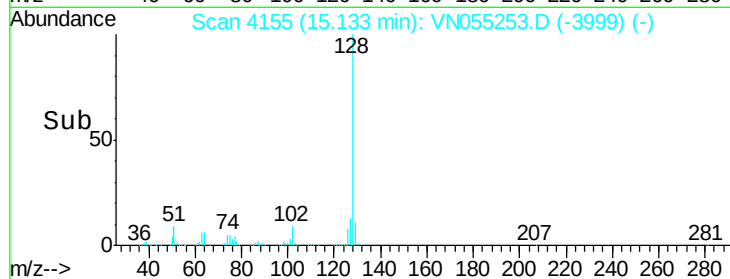
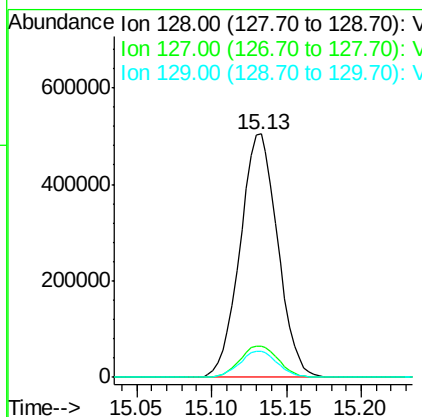
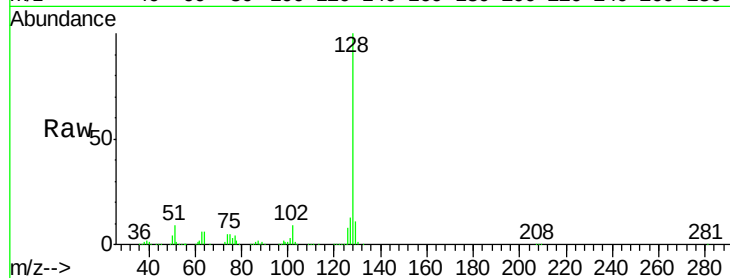
#91
Naphthalene
Concen: 121.652 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN055253.D
Acq: 25 Apr 2019 19:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
127	13.1	10.6	16.0	
129	10.9	8.0	12.0	

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 110.248 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055253.D
Acq: 25 Apr 2019 19:15

Tgt Ion	Ratio	Resp	Lower	Upper
180	100			
182	97.1	0.0	188.0	
145	31.1	0.0	60.0	

