

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092518\
 Data File : VN051473.D
 Acq On : 25 Sep 2018 9:36
 Operator : MD\SY
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

MMDadoda
 10/1/2018 11:21:25 AM

Quant Time: Sep 26 01:39:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 26 01:19:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	101201	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	528343	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	468308	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	211196	30.32	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.07%
60) 4-Bromofluorobenzene	12.40	95	209187	30.43	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.43%
63) Toluene-d8	10.09	98	696423	31.02	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	86642	19.990	ug/l 100
3) Chloromethane	2.06	50	155348	20.846	ug/l 95
4) Vinyl Chloride	2.19	62	170046	21.385	ug/l 97
5) Bromomethane	2.57	94	108669	20.910	ug/l 91
6) Chloroethane	2.71	64	108554	22.148	ug/l 99
7) Trichlorofluoromethane	3.02	101	225885	21.885	ug/l 95
8) Diethyl Ether	3.41	74	60794	19.591	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	112652	21.493	ug/l # 38
10) 1,1-Dichloroethene	3.74	96	101847	21.333	ug/l 98
11) Methyl Iodide	3.96	142	158446	22.506	ug/l 95
12) Methyl Acetate	4.33	43	85492	20.373	ug/l 91
13) Acrolein	3.61	56	59809	106.889	ug/l 91
14) Acrylonitrile	4.99	53	177088	103.891	ug/l # 61
15) Acetone	3.82	58	43227	102.967	ug/l 98
16) Carbon Disulfide	4.06	76	316387	20.893	ug/l 99
17) Allyl chloride	4.33	41	169662	20.131	ug/l 96
18) Methylene Chloride	4.55	84	126224	22.138	ug/l 94
19) trans-1,2-Dichloroethene	5.04	96	113705	22.001	ug/l 98
20) Diisopropyl ether	5.95	45	376991	22.528	ug/l 87
21) 1,1-Dichloroethane	5.85	63	224779	22.299	ug/l 95
22) cis-1,2-Dichloroethene	6.83	96	127121	21.981	ug/l 97
23) tert-Butyl Alcohol	4.79	59	30730	95.734	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	264964	20.377	ug/l # 92
25) Chloroform	7.37	83	230751	22.951	ug/l 97
26) Cyclohexane	7.66	56	182058	21.214	ug/l 96
29) 1,1-Dichloropropene	7.79	75	167359	22.497	ug/l 100
30) 2-Butanone	6.84	43	200251	104.211	ug/l # 98
31) 2,2-Dichloropropane	6.82	77	184148	23.207	ug/l # 81
32) 1,1,1-Trichloroethane	7.57	97	198314	23.351	ug/l 99
33) Carbon Tetrachloride	7.78	117	176289	22.623	ug/l 92
34) Benzene	8.04	78	513311	23.241	ug/l # 69
35) Methacrylonitrile	7.19	41	50707m	18.312	ug/l
36) 1,2-Dichloroethane	8.13	62	162425	22.585	ug/l 97
37) Trichloroethene	8.84	130	133298	22.771	ug/l 100
38) Methylcyclohexane	9.08	83	178069	20.649	ug/l 96
39) 1,2-Dichloropropane	9.12	63	140747	23.426	ug/l 95
40) Dibromomethane	9.21	93	80758	23.616	ug/l 99

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

41) Bromodichloromethane	9.40	83	174146	23.163	ug/l	93
42) Vinyl Acetate	5.90	43	1140800	106.765	ug/l	99
43) Ethyl Acetate	6.93	43	90328	22.592	ug/l #	83
44) Isopropyl Acetate	8.17	43	163539	21.267	ug/l	97
45) 1,4-Dioxane	9.20	88	20344	434.865	ug/l	90
46) Methyl methacrylate	9.20	41	80018	21.013	ug/l	95
47) n-amyl Acetate	12.07	43	119905m	19.513	ug/l	
48) t-1,3-Dichloropropene	10.38	75	158718	21.259	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	194473	22.504	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	113702	23.254	ug/l	94
51) Ethyl methacrylate	10.43	69	118073	20.404	ug/l	98
52) 1,3-Dichloropropane	10.71	76	188397	22.839	ug/l	98
53) Dibromochloromethane	10.90	129	128522	22.851	ug/l	95
54) 1,2-Dibromoethane	11.01	107	104200	22.087	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	301270	105.433	ug/l	99
56) Bromoform	12.12	173	83384	21.991	ug/l	96
58) 4-Methyl-2-Pentanone	9.99	43	455871	110.766	ug/l	97
59) 2-Hexanone	10.75	43	279666	103.246	ug/l	97
61) Tetrachloroethene	10.63	164	127802	23.457	ug/l	95
62) Toluene	10.16	91	553184	23.074	ug/l	98
64) Chlorobenzene	11.43	112	332586	22.627	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.51	131	131694	23.174	ug/l	98
66) Ethyl Benzene	11.51	91	537569	21.735	ug/l	100
67) m/p-Xylenes	11.62	106	433541	45.533	ug/l	98
68) o-Xylene	11.95	106	202813	22.364	ug/l	94
69) Styrene	11.96	104	321034	22.411	ug/l	99
70) Isopropylbenzene	12.25	105	546908	22.535	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	125828	22.025	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	110274m	24.477	ug/l	
73) Bromobenzene	12.53	156	133392	21.809	ug/l	97
74) n-propylbenzene	12.59	91	620951	22.008	ug/l	100
75) 2-Chlorotoluene	12.67	91	376379	22.604	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	456771	22.809	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	30085	19.363	ug/l	97
78) 4-Chlorotoluene	12.77	91	369646	22.382	ug/l	97
79) tert-butylbenzene	12.99	119	387588	22.229	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	460784	22.888	ug/l	97
81) sec-Butylbenzene	13.17	105	535243	22.316	ug/l	99
82) p-Isopropyltoluene	13.29	119	456531	22.049	ug/l	96
83) 1,3-Dichlorobenzene	13.28	146	231212	21.551	ug/l	97
84) 1,4-Dichlorobenzene	13.36	146	214030	21.241	ug/l	98
85) n-Butylbenzene	13.62	91	340754	20.044	ug/l	99
86) Hexachloroethane	13.87	117	92827	22.373	ug/l	96
87) 1,2-Dichlorobenzene	13.65	146	228821	22.499	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.27	75	16958	20.112	ug/l	93
89) 1,2,4-Trichlorobenzene	14.91	180	86030	16.982	ug/l	97
90) Hexachlorobutadiene	15.01	225	84689	21.570	ug/l	97
91) Naphthalene	15.13	128	131545	13.761	ug/l	97
92) 1,2,3-Trichlorobenzene	15.31	180	87992	17.206	ug/l	94

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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

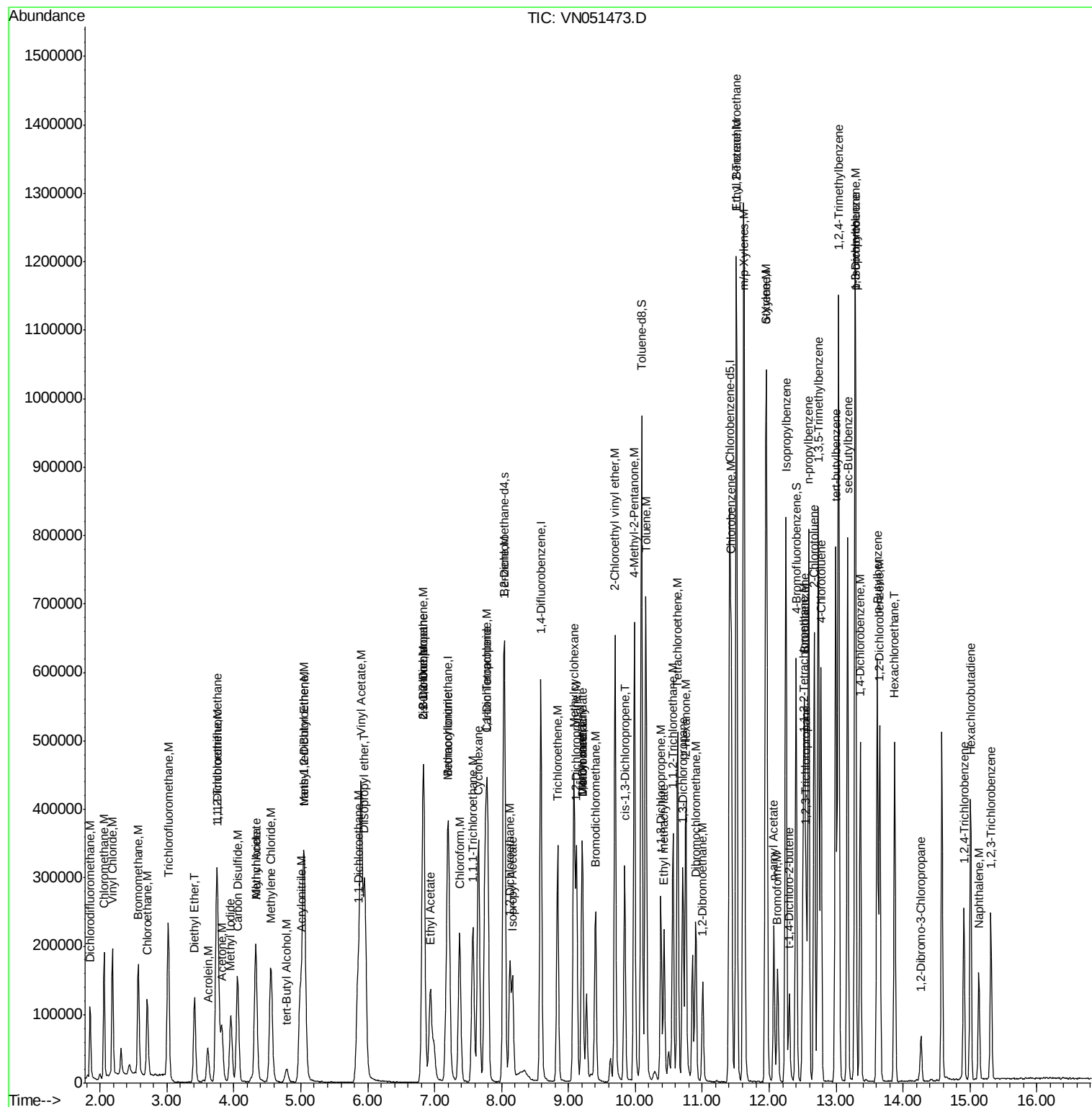
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092518\
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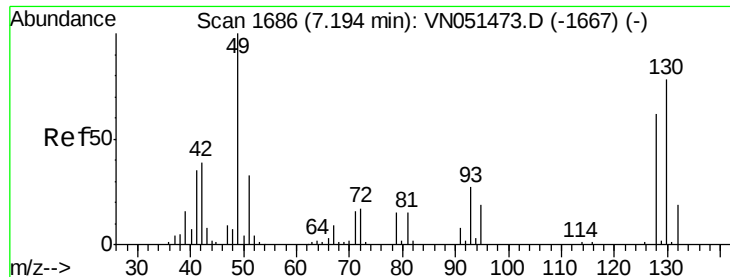
Instrument :
MSVOA_N
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VSTDICCC020

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.01 min

Lab File: VN051473.D

Acq: 25 Sep 2018 9:36

Instrument :

MSVOA_N

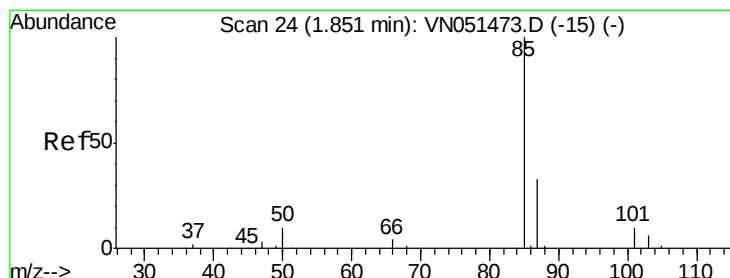
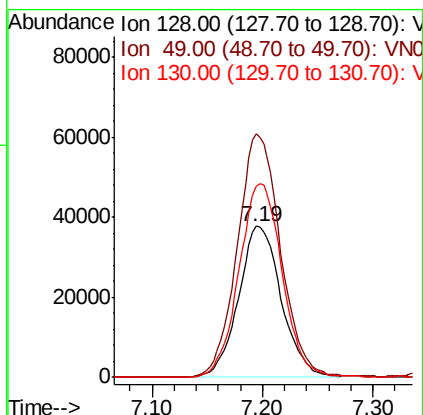
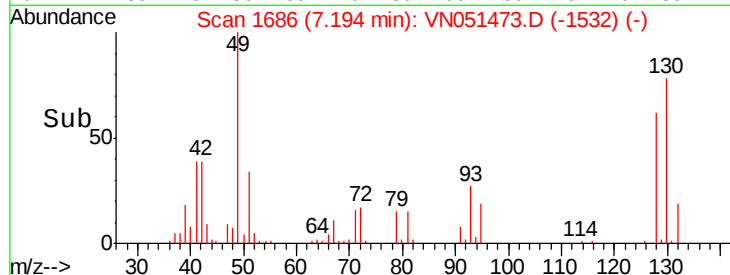
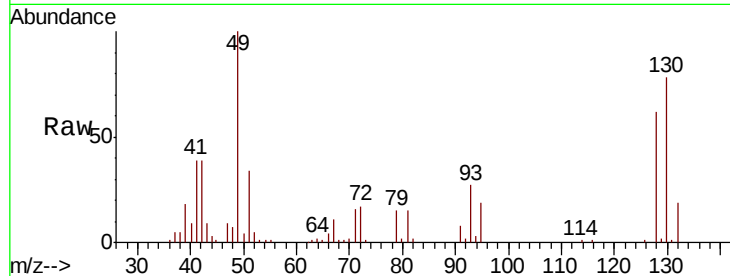
ClientSampleId :

VSTDICCC020

Tot Ion:	128	Resp:	101201
Ion Ratio	Lower	Upper	
128	100		
49	162.8	0.0	403.3
130	129.3	0.0	326.0

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 19.990 ug/l

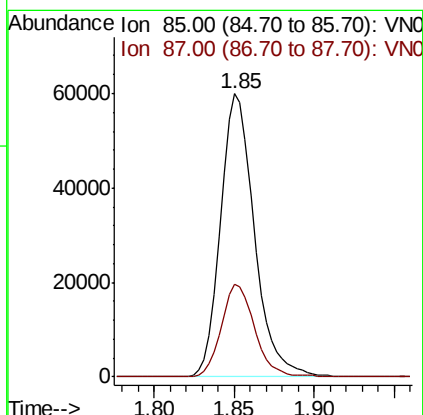
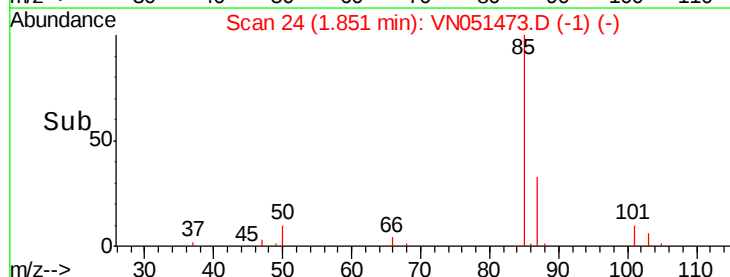
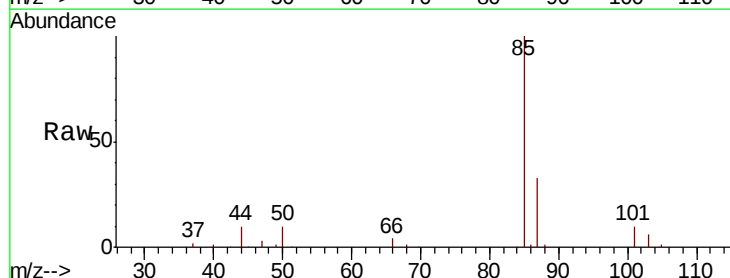
RT: 1.85 min Scan# 24

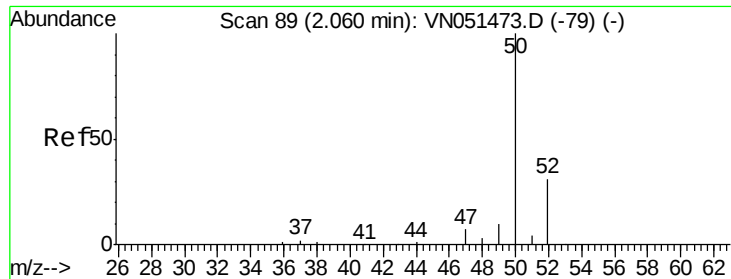
Delta R.T. 0.00 min

Lab File: VN051473.D

Acq: 25 Sep 2018 9:36

Tgt Ion:	85	Resp:	86642
Ion Ratio	Lower	Upper	
85	100		
87	32.7	16.3	48.8





#3

Chloromethane

Concen: 20.846 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051473.D

Acq: 25 Sep 2018 9:36

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC020

Tot Ion: 50 Resp: 155348

Ion Ratio Lower Upper

50 100

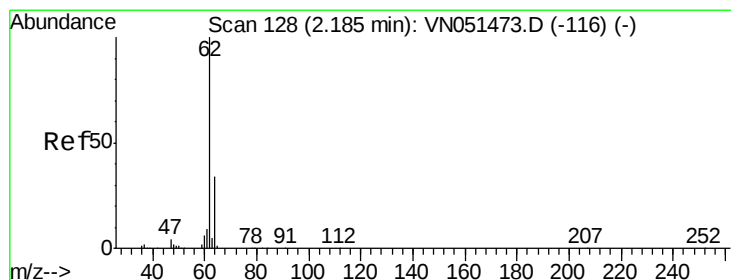
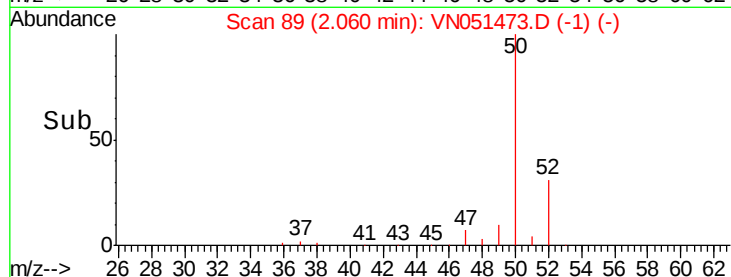
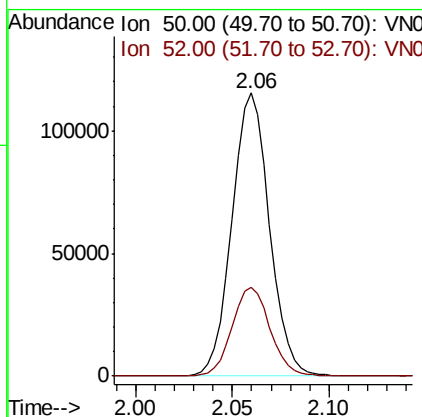
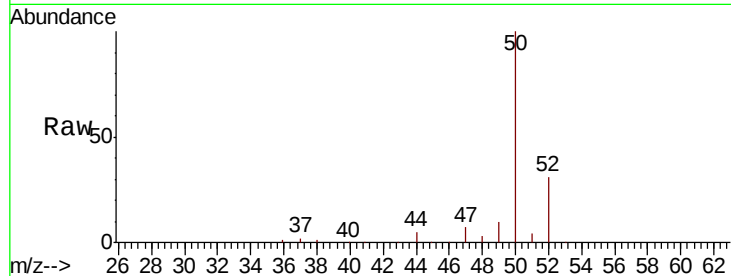
52 31.1 27.2 40.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.385 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051473.D

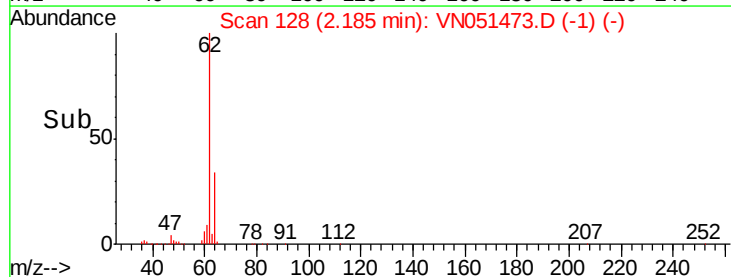
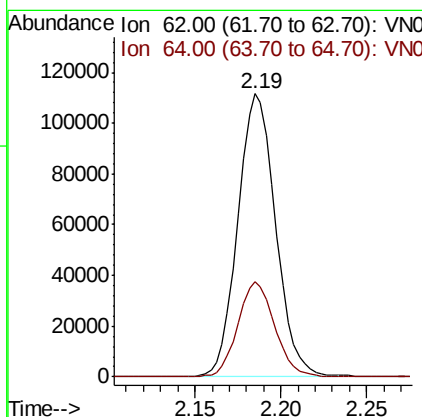
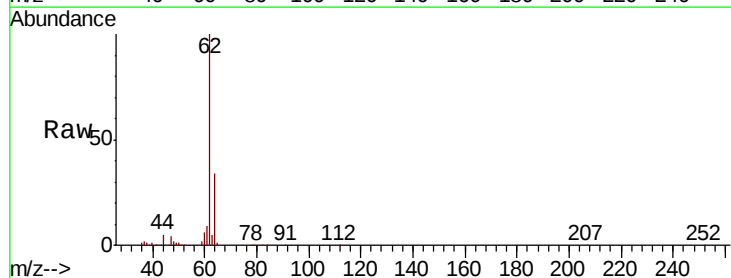
Acq: 25 Sep 2018 9:36

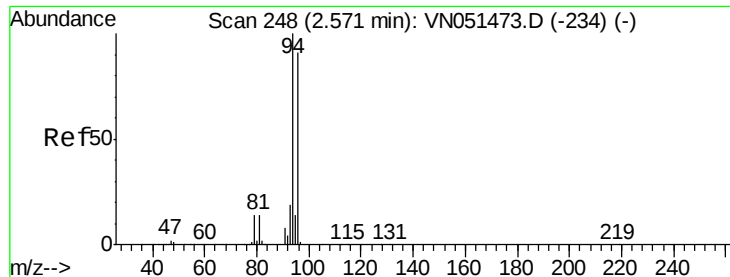
Tgt Ion: 62 Resp: 170046

Ion Ratio Lower Upper

62 100

64 33.7 25.4 38.2





#5

Bromomethane

Concen: 20.910 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN051473.D

Acq: 25 Sep 2018 9:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 94 Resp: 108669

Ion Ratio Lower Upper

94 100

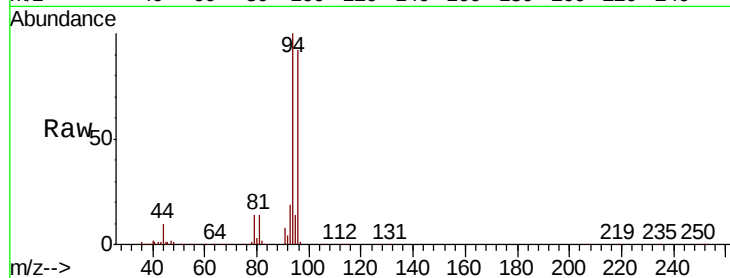
96 91.2 66.4 99.6

Manual Integrations

APPROVED

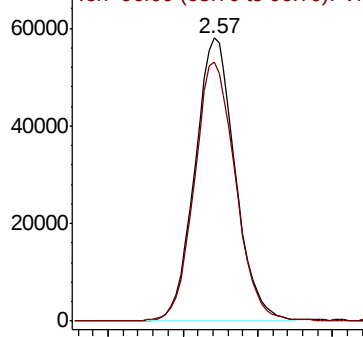
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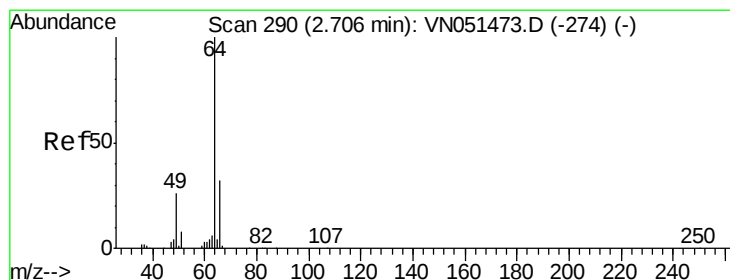
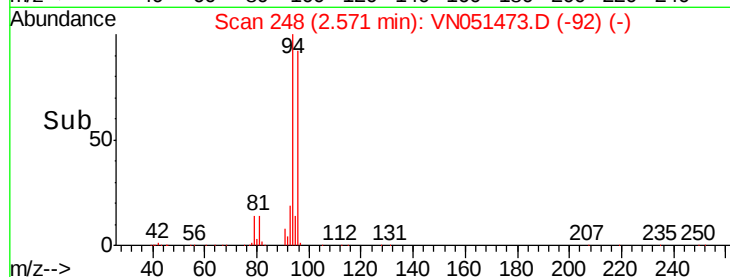


Abundance Ion 94.00 (93.70 to 94.70): VNO

Ion 96.00 (95.70 to 96.70): VNO



Time-->



#6

Chloroethane

Concen: 22.148 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN051473.D

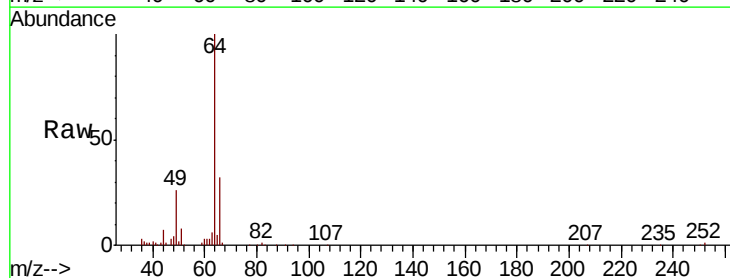
Acq: 25 Sep 2018 9:36

Tgt Ion: 64 Resp: 108554

Ion Ratio Lower Upper

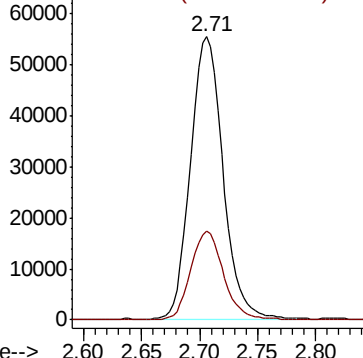
64 100

66 31.6 25.8 38.6

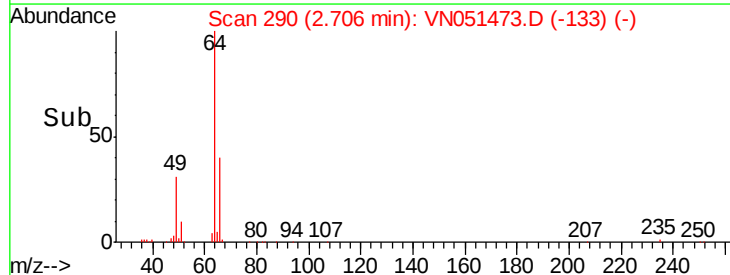


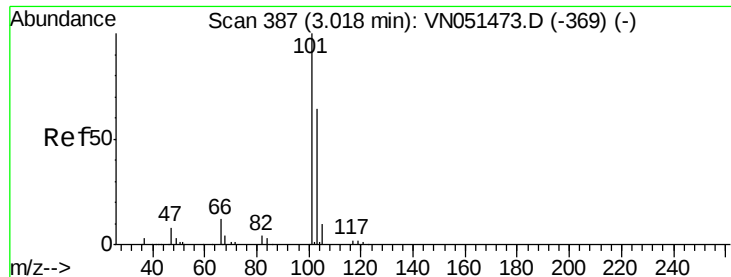
Abundance Ion 64.00 (63.70 to 64.70): VNO

Ion 66.00 (65.70 to 66.70): VNO



Time-->





#7

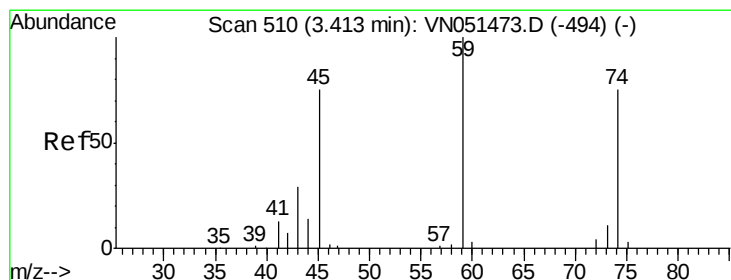
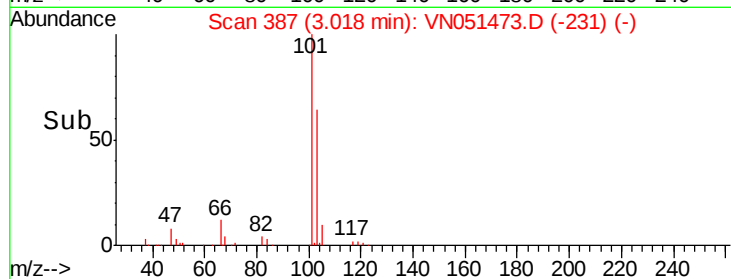
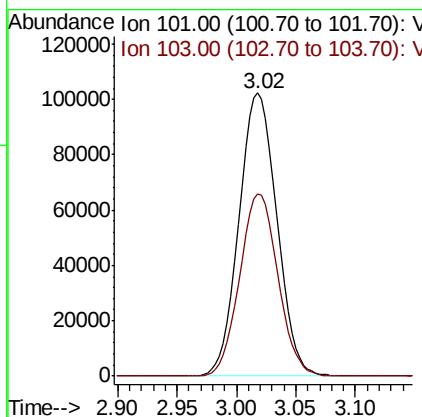
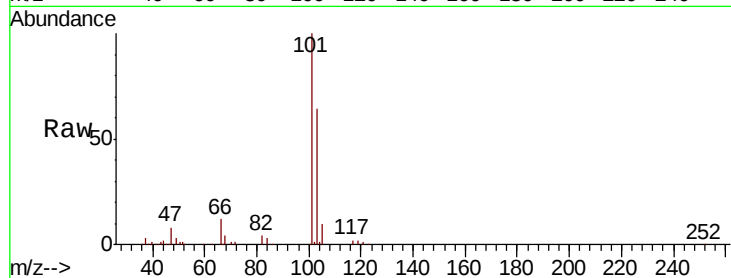
Trichlorofluoromethane
Concen: 21.885 ug/l
RT: 3.02 min Scan# 387
Delta R.T. 0.00 min
Lab File: VN051473.D
Acq: 25 Sep 2018 9:36

Instrument :
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ClientSampleId :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		225885		
103	64.5	54.8	82.2		

Manual Integrations
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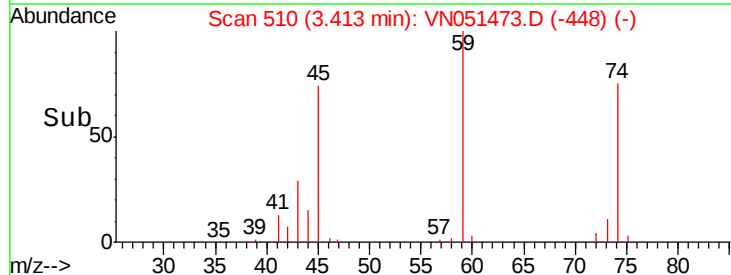
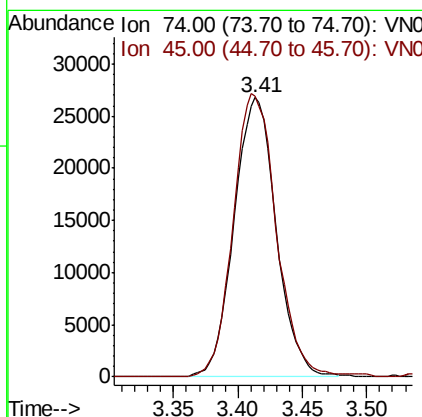
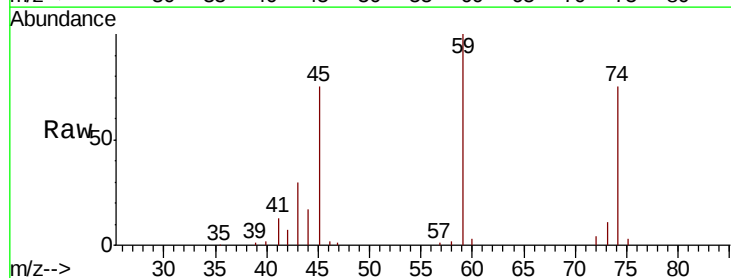
MMDadoda
10/1/2018 11:21:25 AM

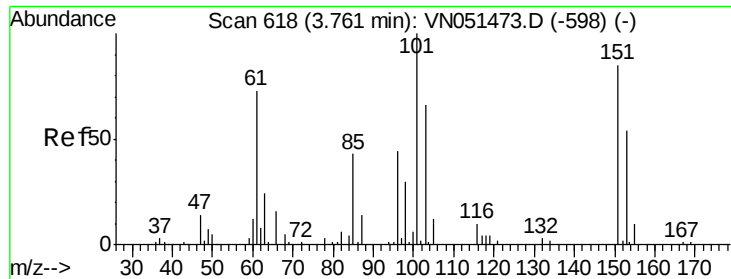


#8

Diethyl Ether
Concen: 19.591 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN051473.D
Acq: 25 Sep 2018 9:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		60794		
45	103.9	20.7	186.5		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.493 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN051473.D

Acq: 25 Sep 2018 9:36

Instrument :

MSVOA_N

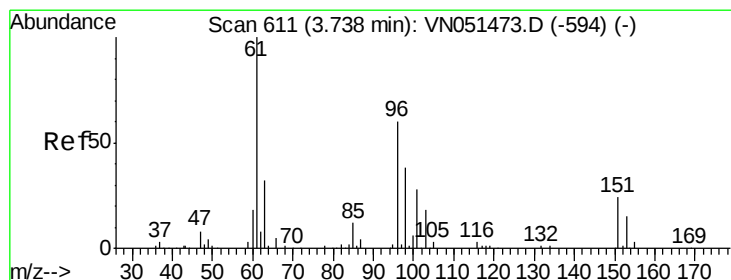
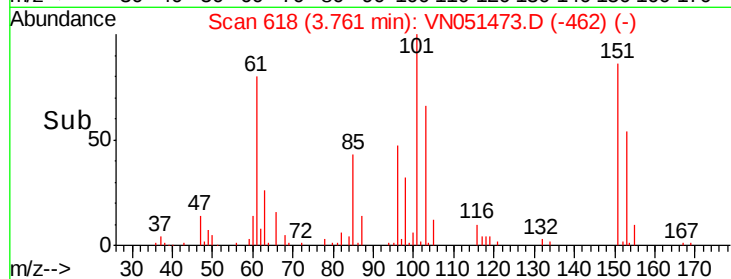
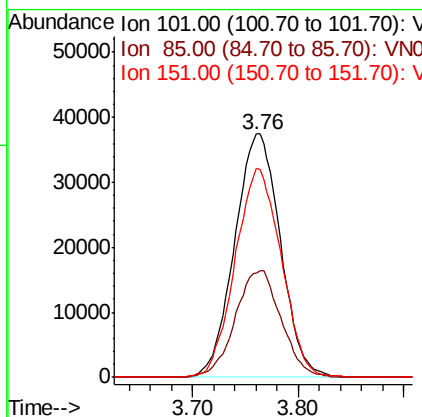
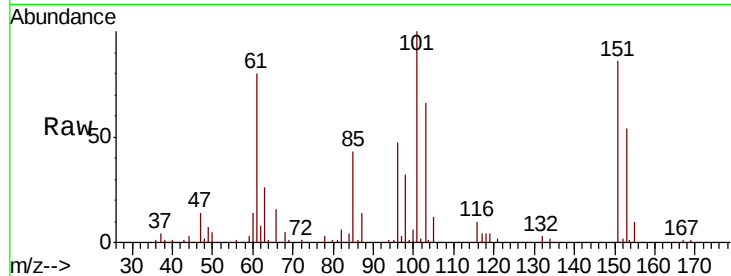
ClientSampleId :

VSTDICCC020

Tot Ion:	101	Resp:	112652
Ion Ratio	Lower	Upper	
101	100		
85	44.2	0.0	46.0
151	86.4	0.0	82.2#

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 21.333 ug/l

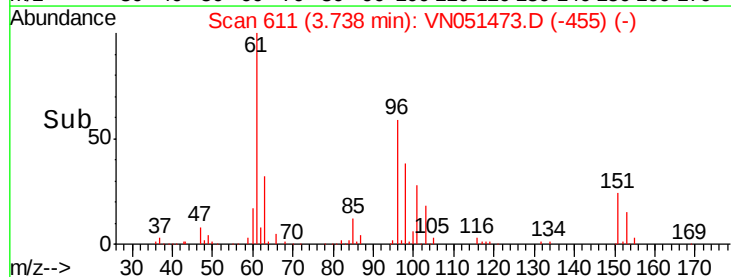
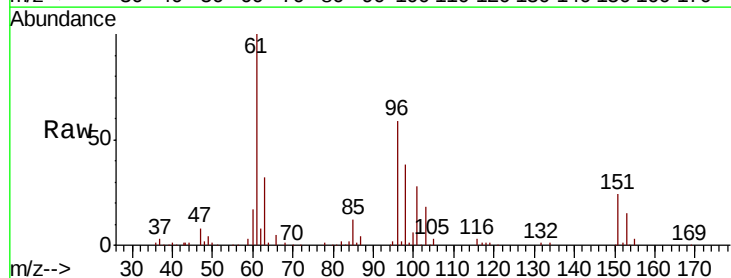
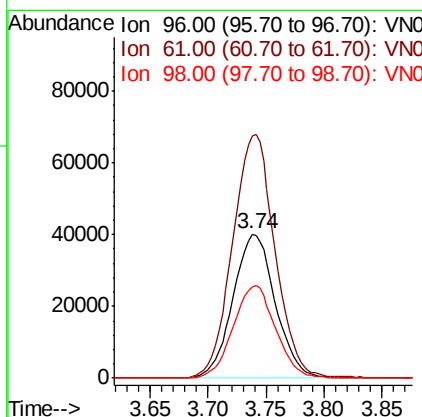
RT: 3.74 min Scan# 611

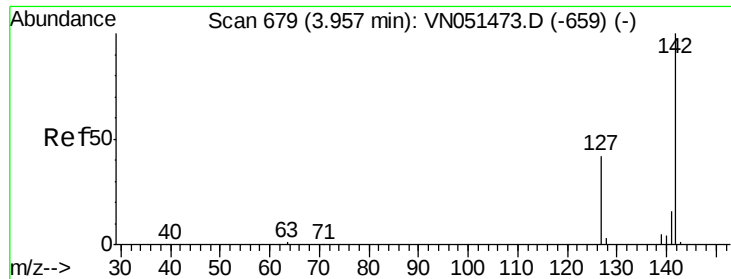
Delta R.T. 0.00 min

Lab File: VN051473.D

Acq: 25 Sep 2018 9:36

Tgt Ion:	96	Resp:	101847
Ion Ratio	Lower	Upper	
96	100		
61	167.8	133.0	199.6
98	63.4	52.6	78.8





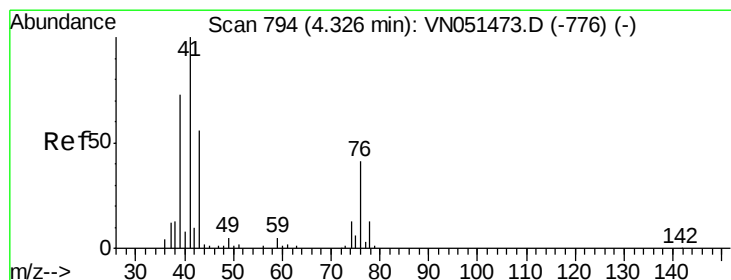
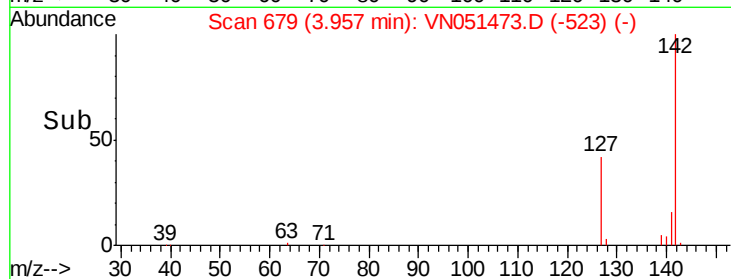
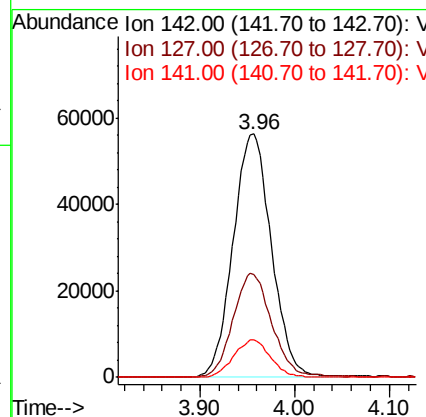
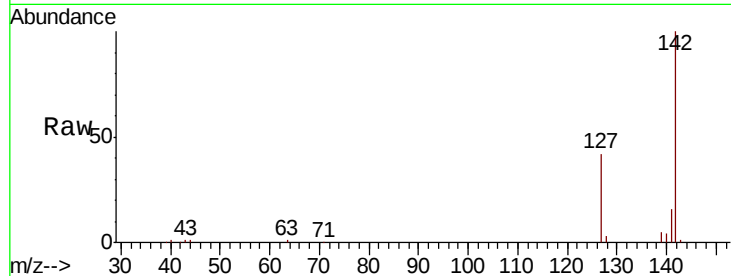
#11
Methyl Iodide
Concen: 22.506 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN051473.D
Acq: 25 Sep 2018 9:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	41.8	19.7	59.0
141	15.7	6.3	18.9

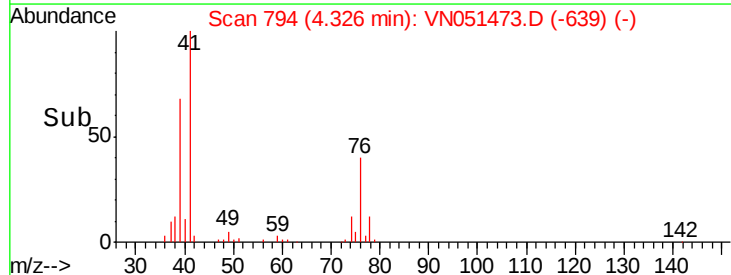
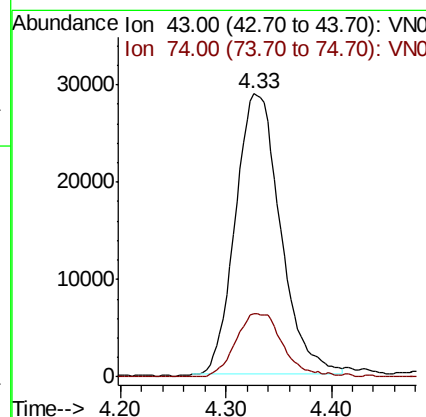
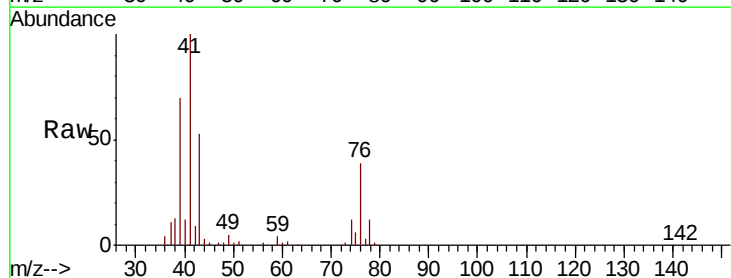
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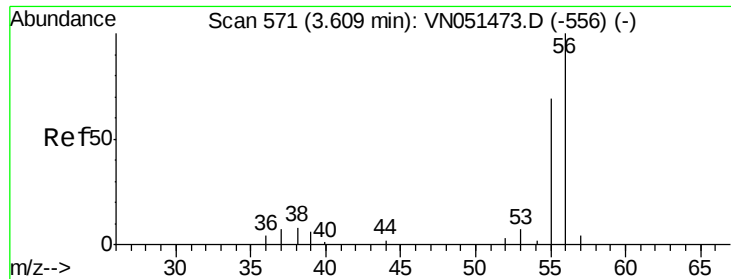
MMDadoda
10/1/2018 11:21:25 AM



#12
Methyl Acetate
Concen: 20.373 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051473.D
Acq: 25 Sep 2018 9:36

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.5	21.8	32.6





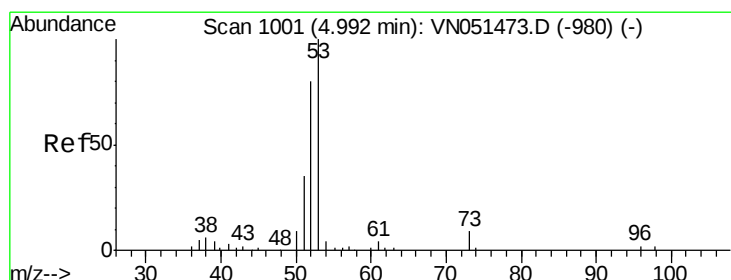
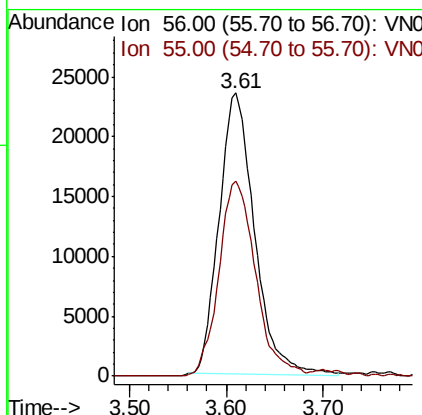
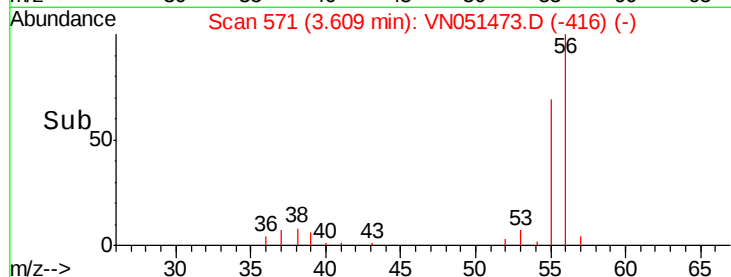
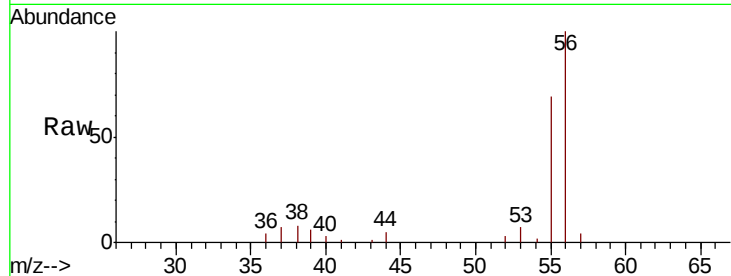
#13
Acrolein
Concen: 106.889 ug/l
RT: 3.61 min Scan# 571
Delta R.T. -0.00 min
Lab File: VN051473.D
Acq: 25 Sep 2018 9:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	71.9	64.0	96.0	

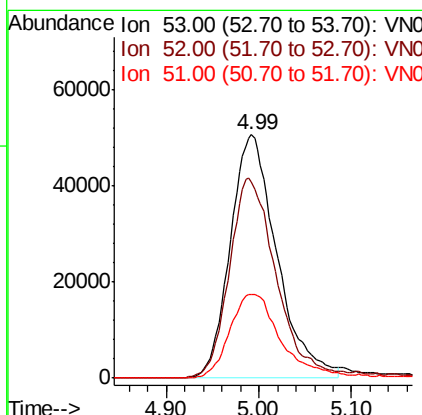
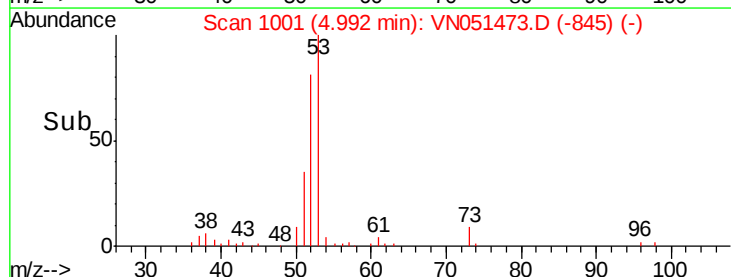
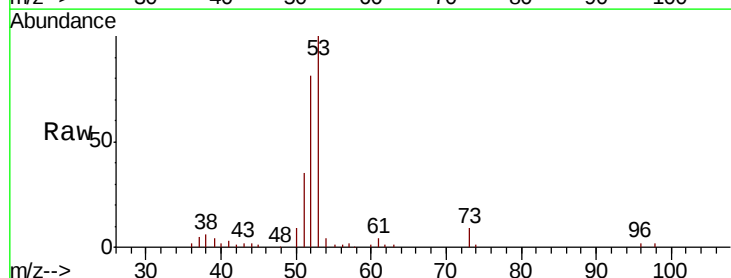
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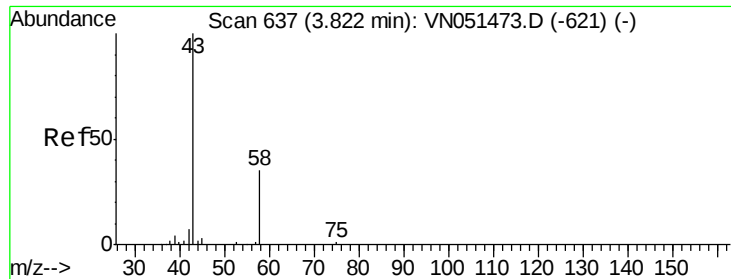
MMDadoda
10/1/2018 11:21:25 AM



#14
Acrylonitrile
Concen: 103.891 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VN051473.D
Acq: 25 Sep 2018 9:36

Tgt Ion	Ion	Ratio	Lower	Upper
53	100			
52	82.0	18.3	54.8#	
51	37.5	19.7	59.1	





#15

Acetone

Concen: 102.967 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.01 min

Lab File: VN051473.D

Acq: 25 Sep 2018 9:36

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC020

Tot Ion: 58 Resp: 43227

Ion Ratio Lower Upper

58 100

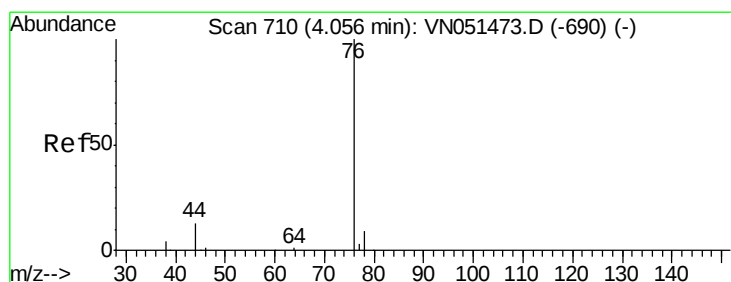
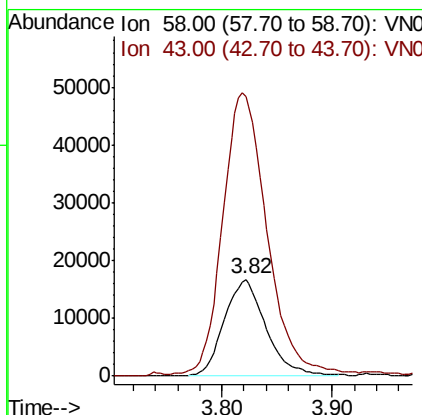
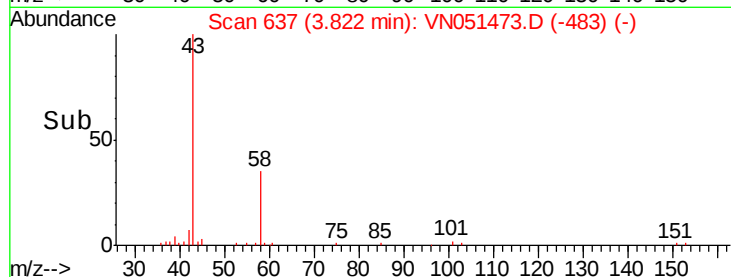
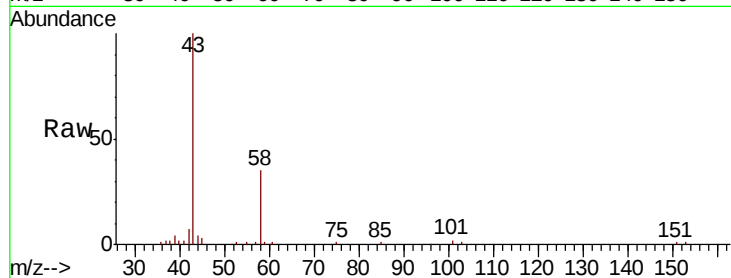
43 286.6 232.2 348.2

Manual Integrations

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#16

Carbon Disulfide

Concen: 20.893 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN051473.D

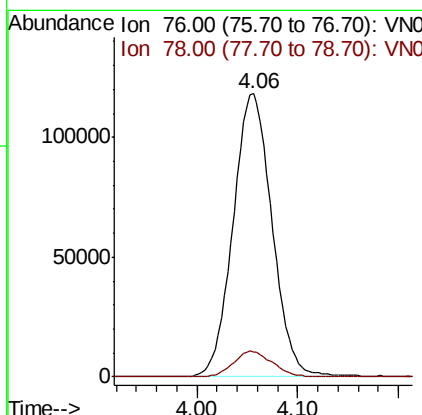
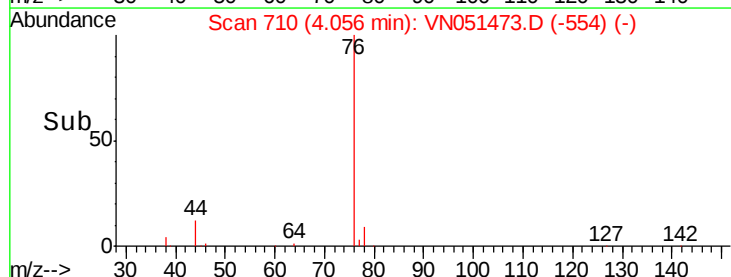
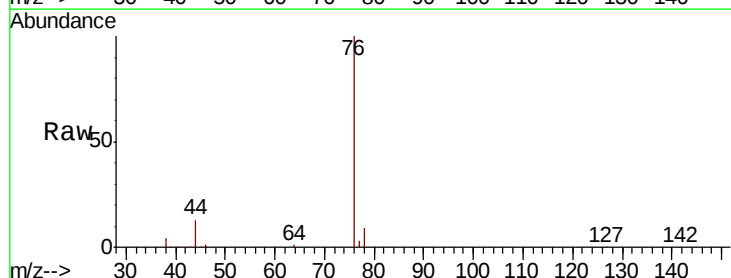
Acq: 25 Sep 2018 9:36

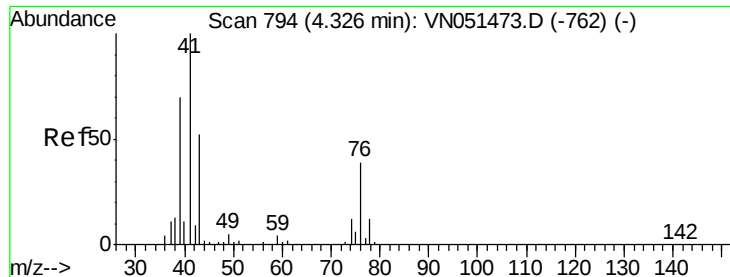
Tgt Ion: 76 Resp: 316387

Ion Ratio Lower Upper

76 100

78 8.9 6.7 10.1





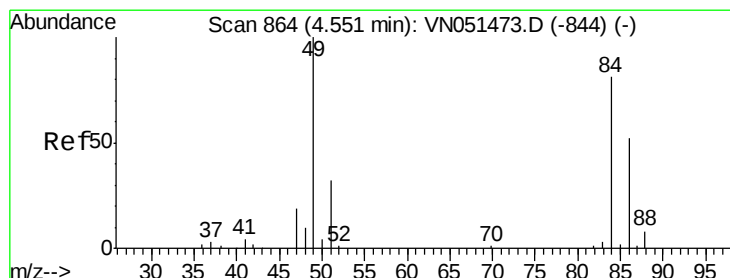
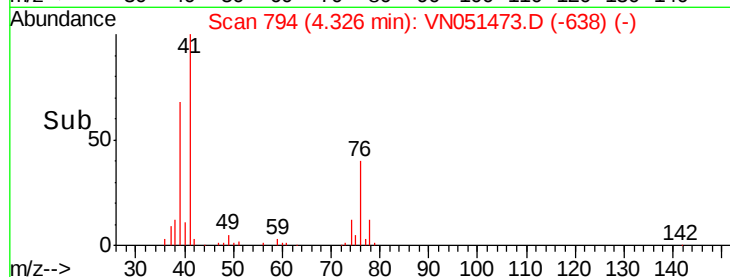
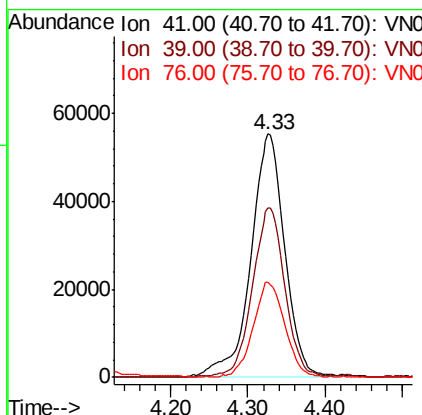
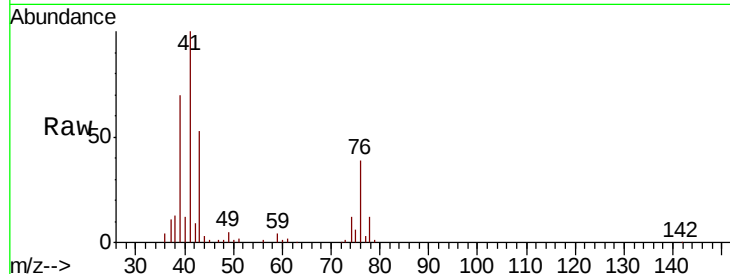
#17
Allvl chloride
Concen: 20.131 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN051473.D
Acq: 25 Sep 2018 9:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion:	41	Resp:	169662
Ion Ratio	Lower	Upper	
41	100		
39	69.8	32.6	97.8
76	39.1	20.2	60.5

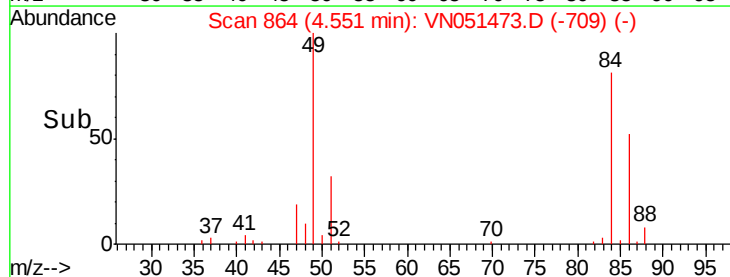
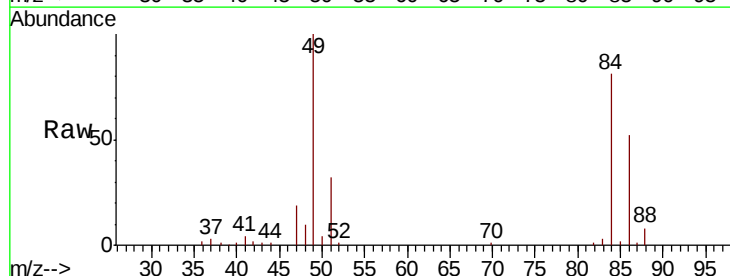
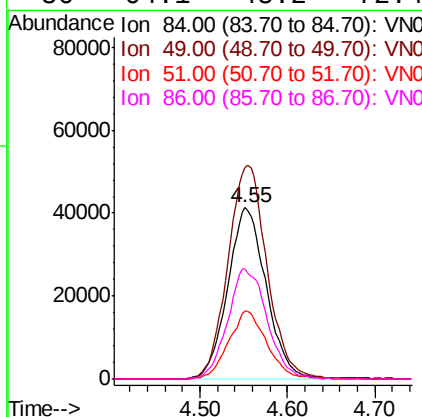
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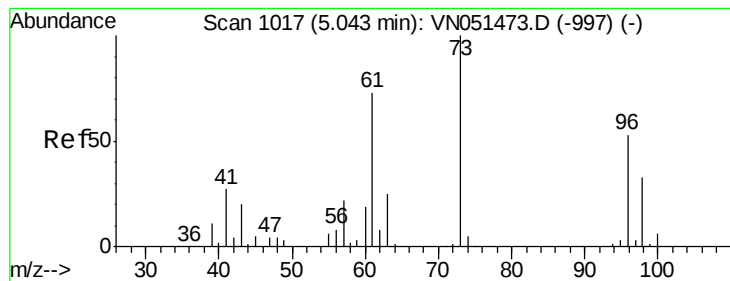
MMDadoda
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#18
Methylene Chloride
Concen: 22.138 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051473.D
Acq: 25 Sep 2018 9:36

Tgt Ion:	84	Resp:	126224
Ion Ratio	Lower	Upper	
84	100		
49	123.1	91.6	137.4
51	39.7	29.8	44.6
86	64.1	48.2	72.4





#19

trans-1,2-Dichloroethene

Concen: 22.001 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN051473.D

Acq: 25 Sep 2018 9:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 96 Resp: 113705

Ion Ratio Lower Upper

96 100

61 139.1 112.3 168.5

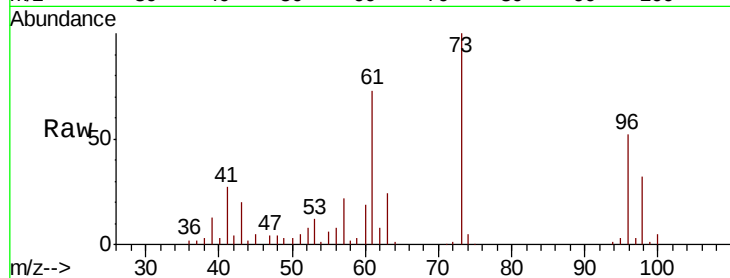
98 62.3 47.1 70.7

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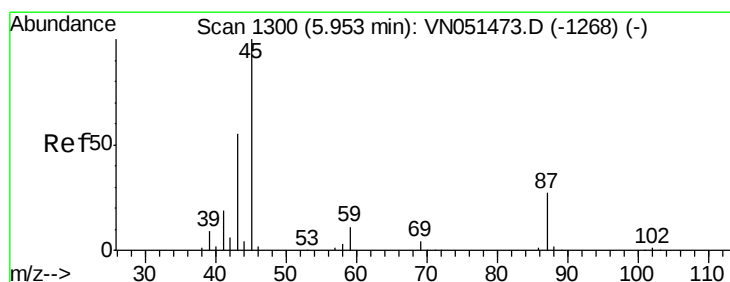
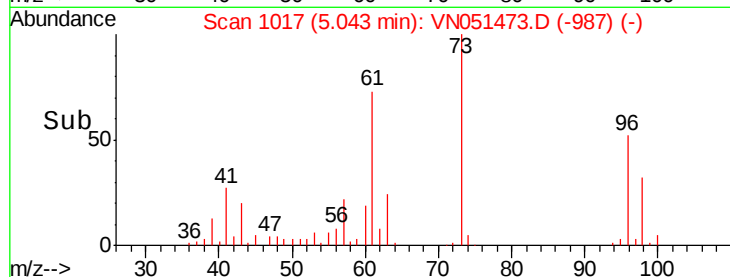
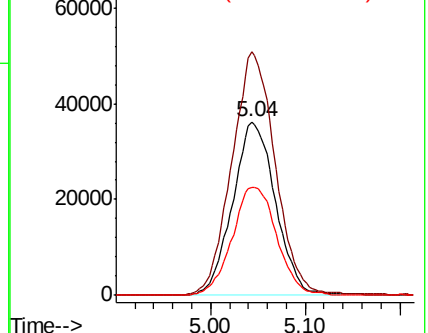
10/1/2018 11:21:25 AM



Abundance Ion 96.00 (95.70 to 96.70): VN051473.D (-997) (-)

Ion 61.00 (60.70 to 61.70): VN051473.D (-997) (-)

Ion 98.00 (97.70 to 98.70): VN051473.D (-997) (-)



#20

Diisopropyl ether

Concen: 22.528 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN051473.D

Acq: 25 Sep 2018 9:36

Tgt Ion: 45 Resp: 376991

Ion Ratio Lower Upper

45 100

43 63.2 62.1 93.1

87 27.8 19.9 29.9

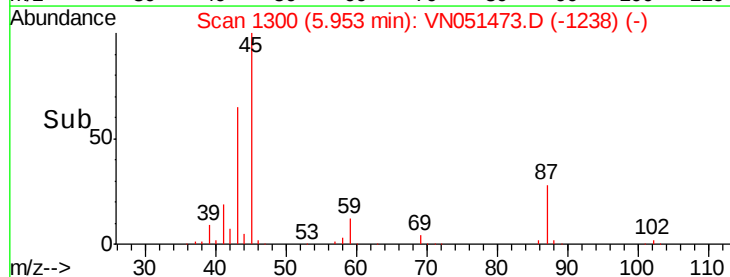
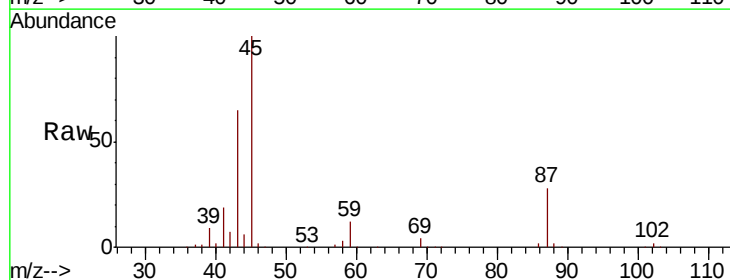
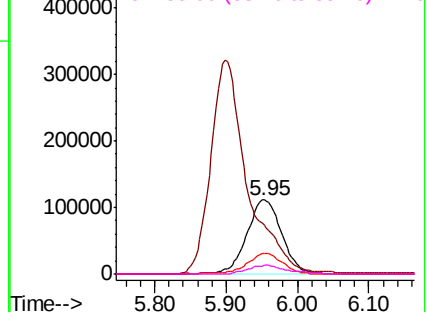
59 11.4 9.8 14.6

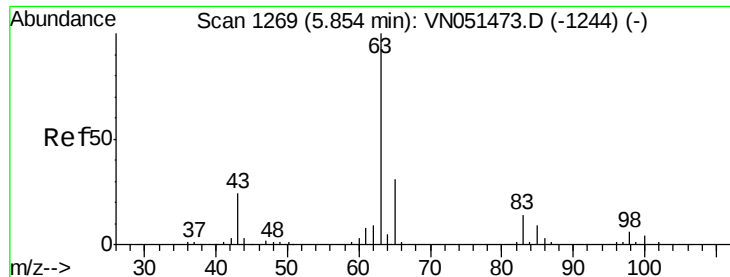
Abundance Ion 45.00 (44.70 to 45.70): VN051473.D (-1268) (-)

Ion 43.00 (42.70 to 43.70): VN051473.D (-1268) (-)

Ion 87.00 (86.70 to 87.70): VN051473.D (-1268) (-)

Ion 59.00 (58.70 to 59.70): VN051473.D (-1268) (-)





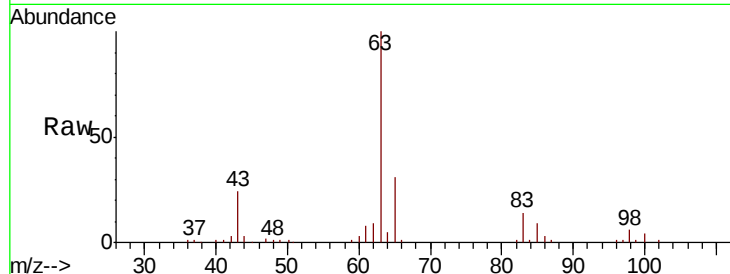
#21
 1,1-Dichloroethane
 Concen: 22.299 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN051473.D
 Acq: 25 Sep 2018 9:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

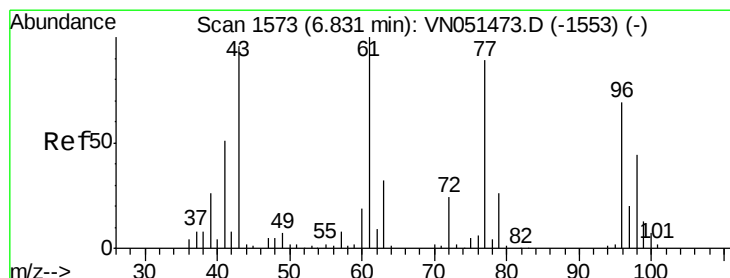
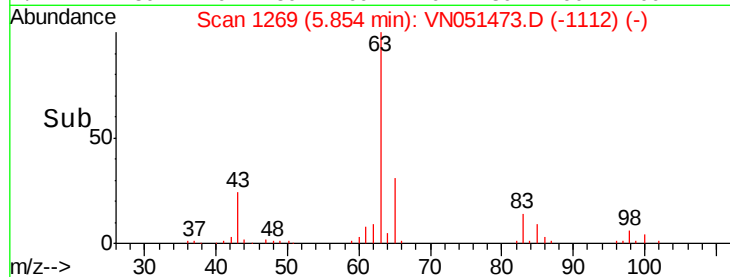
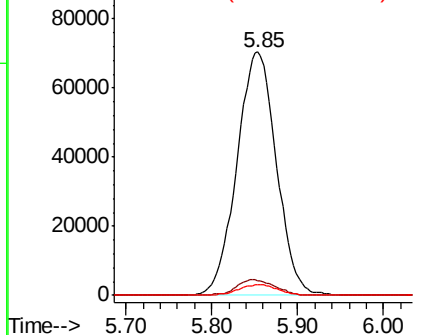
Tot Ion	Ratio	Resp	Lower	Upper
63	100	224779		
98	6.2		4.1	12.3
100	4.4		1.6	4.7

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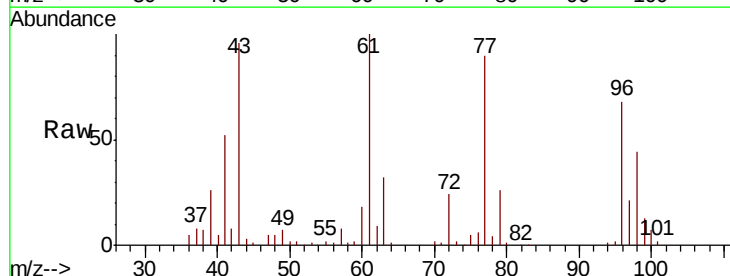


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

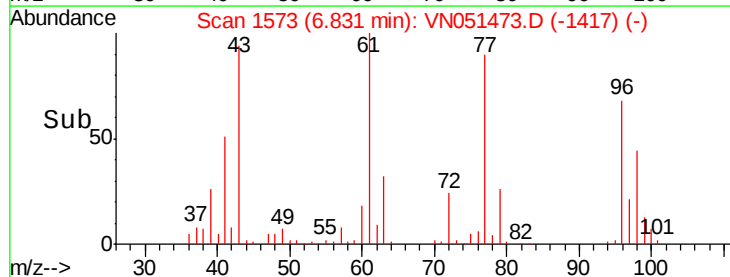
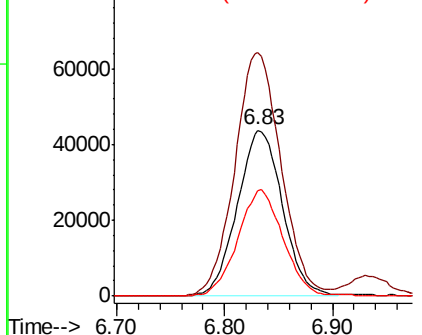


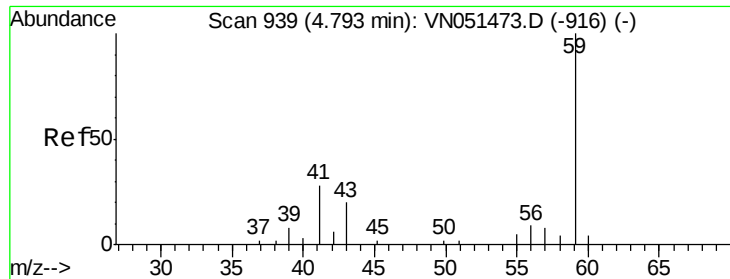
#22
 cis-1,2-Dichloroethene
 Concen: 21.981 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN051473.D
 Acq: 25 Sep 2018 9:36

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	127121		
61	150.2		124.5	186.7
98	64.3		51.9	77.9



Abundance Ion 96.00 (95.70 to 96.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0





#23

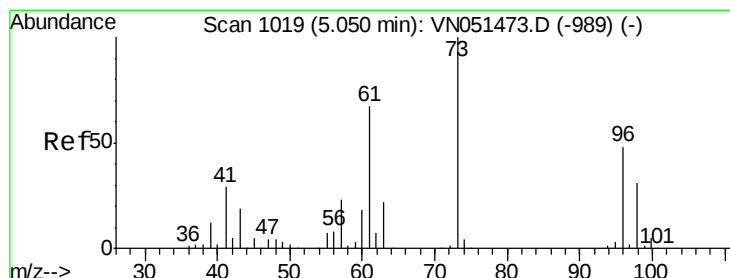
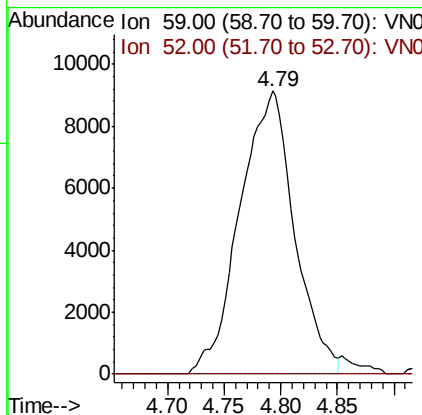
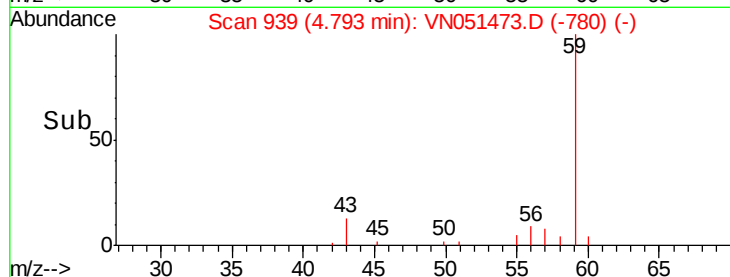
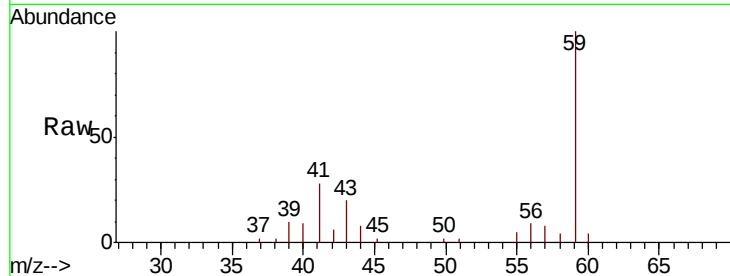
tert-Butyl Alcohol
 Concen: 95.734 ug/l
 RT: 4.79 min Scan# 939
 Delta R.T. 0.01 min
 Lab File: VN051473.D
 Acq: 25 Sep 2018 9:36

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDICCC020

Tot Ion	59	52	Ratio	100	0.0	Resp	30730	Lower	Upper
59	100								
52	0.0								

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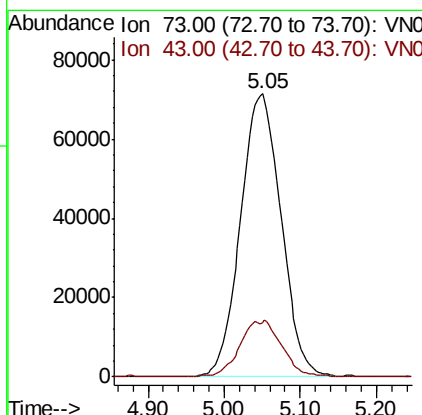
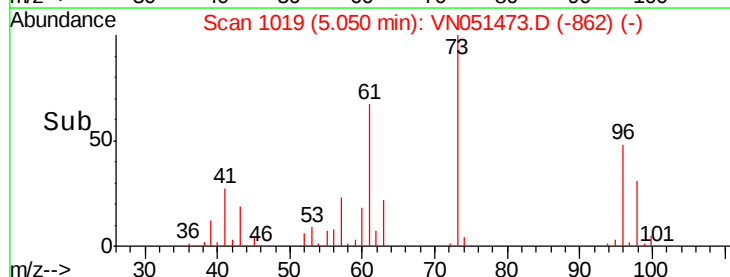
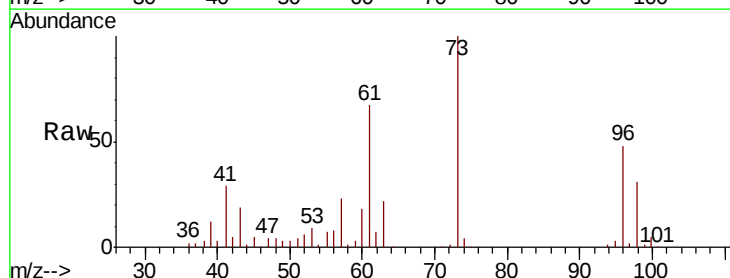
MMDadoda
 10/1/2018 11:21:25 AM

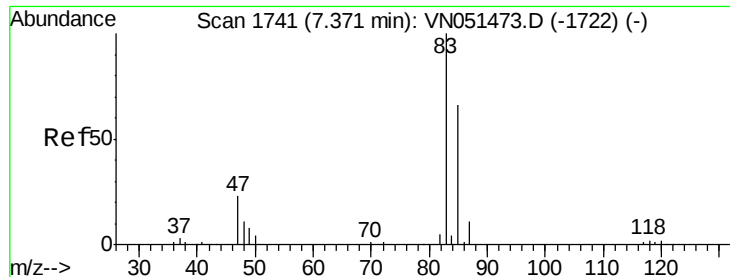


#24

Methyl tert-Butyl Ether
 Concen: 20.377 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN051473.D
 Acq: 25 Sep 2018 9:36

Tgt Ion	73	43	Ratio	100	9.6	Resp	264964	Lower	Upper
73	100								
43	9.6								





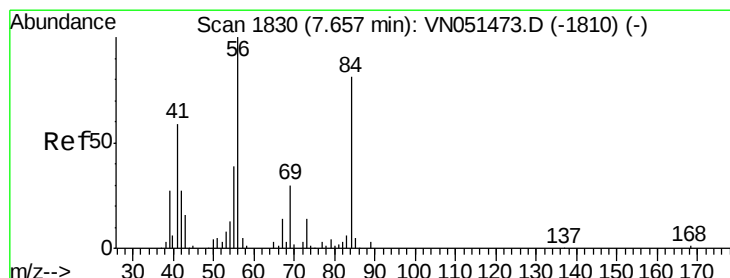
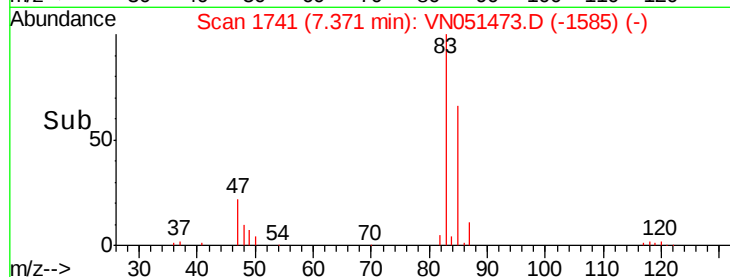
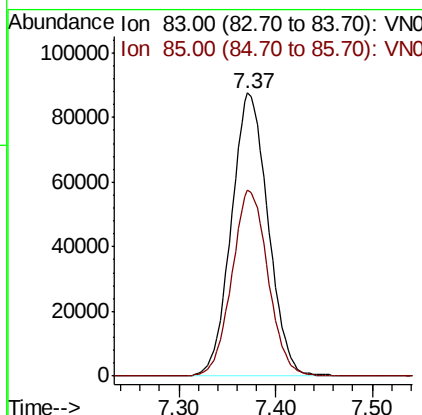
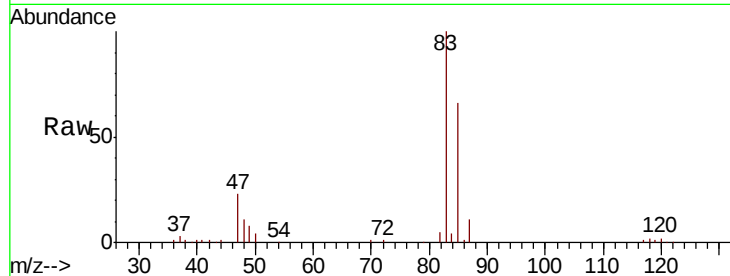
#25
Chloroform
Concen: 22.951 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN051473.D
Acq: 25 Sep 2018 9:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	83	Resp	230751
Ion	Ratio	Lower	Upper
83	100		
85	65.8	54.6	82.0

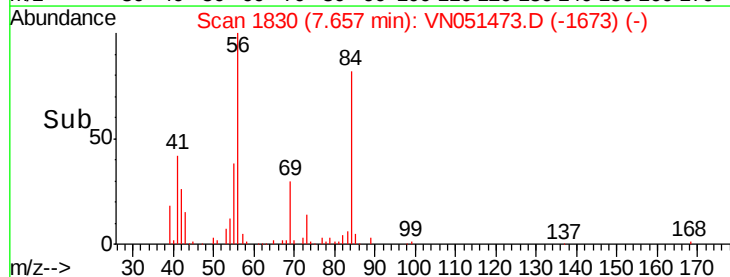
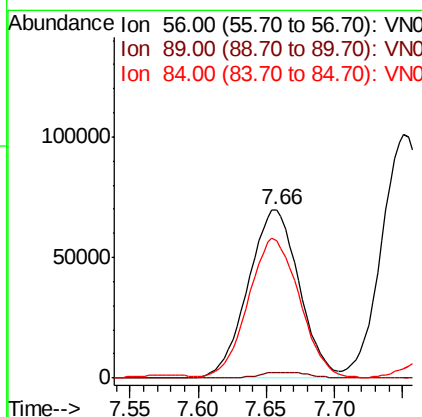
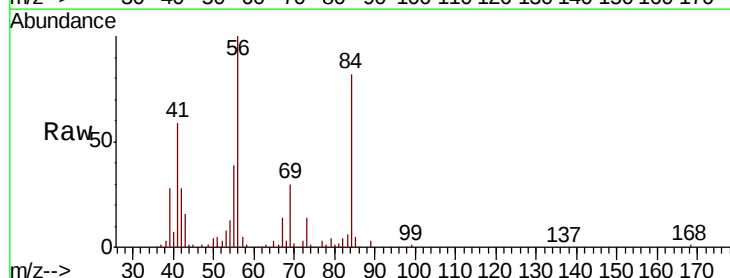
Manual Integrations
APPROVED

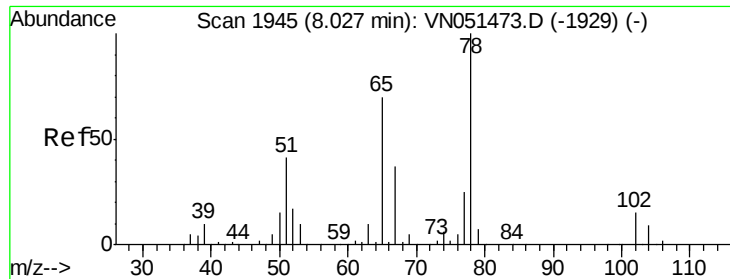
MMDadoda
10/1/2018 11:21:25 AM



#26
Cyclohexane
Concen: 21.214 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN051473.D
Acq: 25 Sep 2018 9:36

Tgt Ion	56	Resp	182058
Ion	Ratio	Lower	Upper
56	100		
89	1.6	1.5	2.3
84	83.6	64.2	96.4





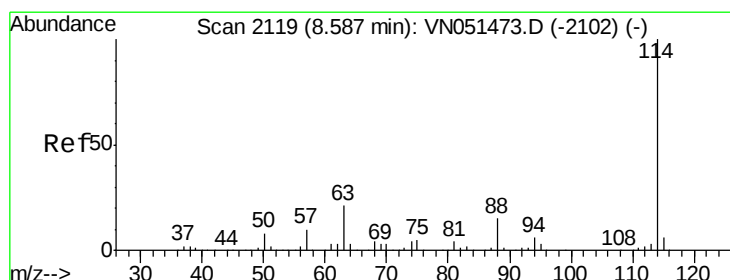
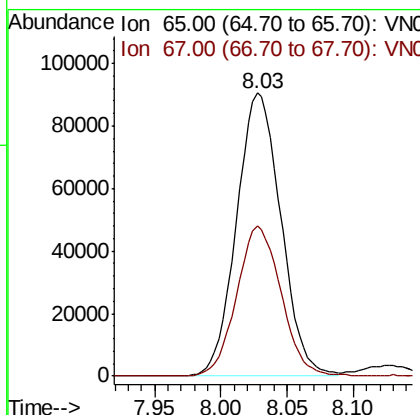
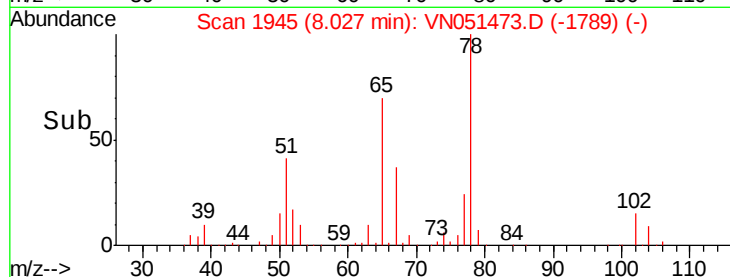
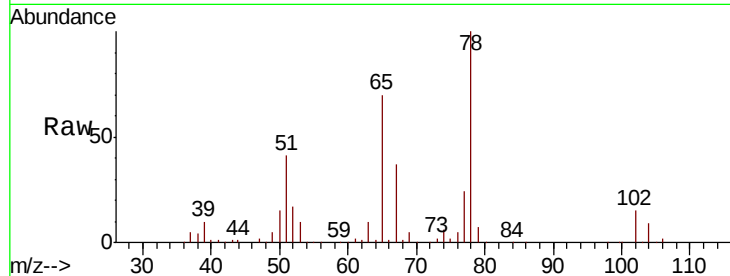
#27
 1,2-Dichloroethane-d4
 Concen: 30.322 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN051473.D
 Acq: 25 Sep 2018 9:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	211196		
67	53.1	41.8	62.8	

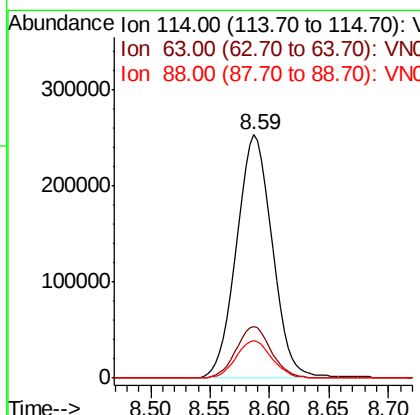
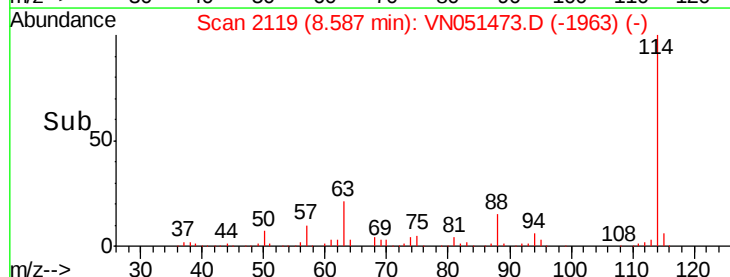
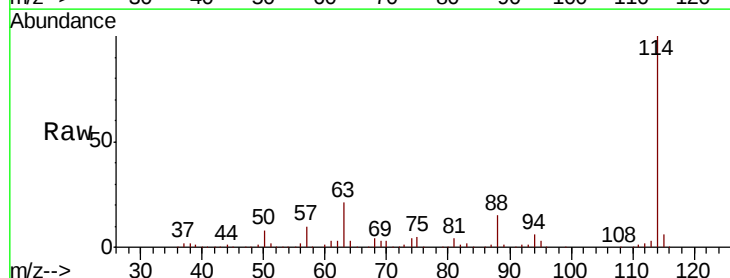
Manual Integrations
 APPROVED

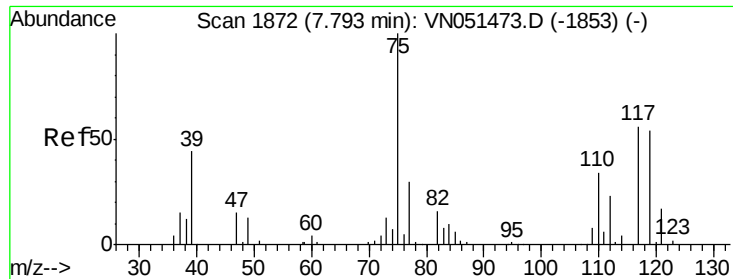
MMDadoda
 10/1/2018 11:21:25 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051473.D
 Acq: 25 Sep 2018 9:36

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	528343		
63	20.9	16.2	24.2	
88	15.5	12.2	18.4	





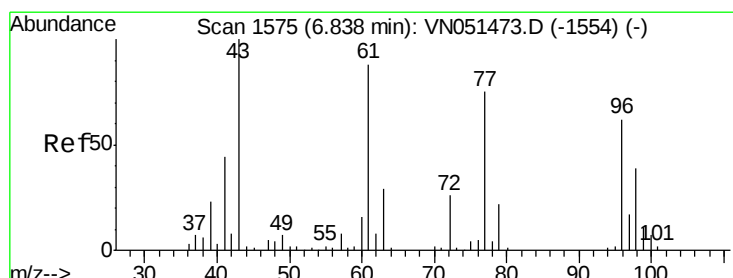
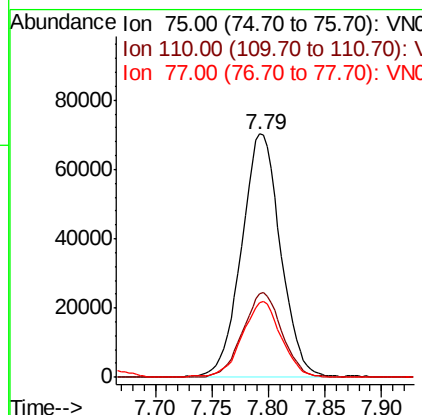
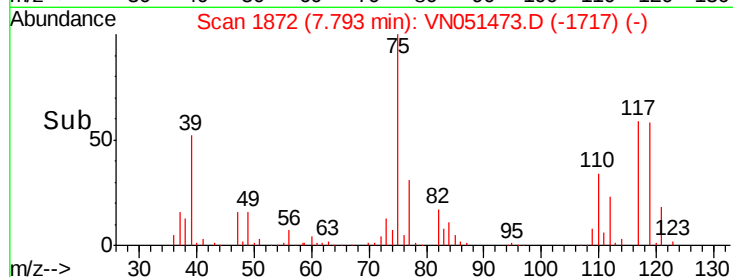
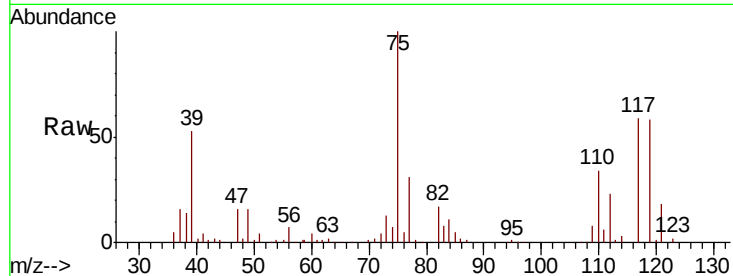
#29
 1,1-Dichloropropene
 Concen: 22.497 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051473.D
 Acq: 25 Sep 2018 9:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	35.2	0.0	70.8
77	30.7	0.0	61.6

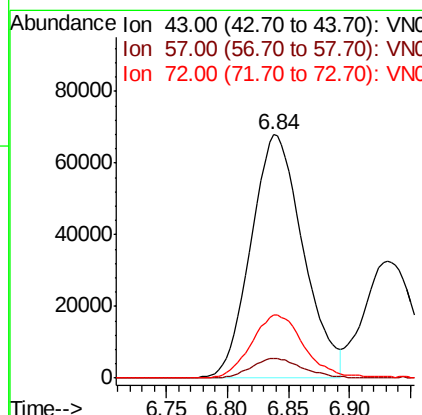
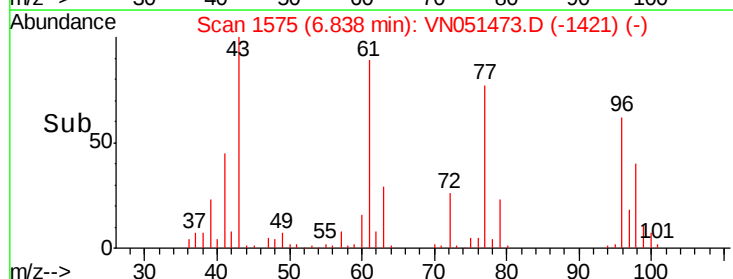
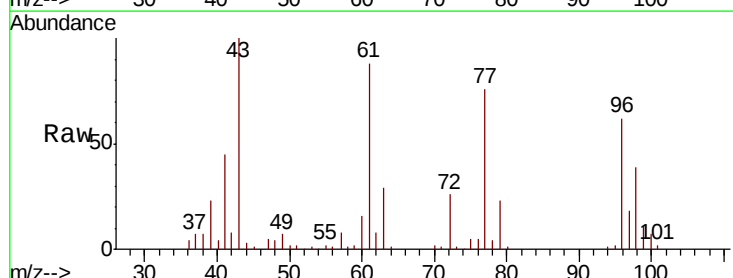
Manual Integrations
 APPROVED

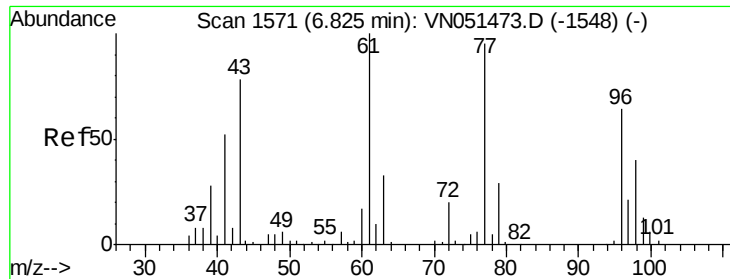
MMDadoda
 10/1/2018 11:21:25 AM



#30
 2-Butanone
 Concen: 104.211 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.01 min
 Lab File: VN051473.D
 Acq: 25 Sep 2018 9:36

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.0	4.5	6.7#
72	26.3	21.5	32.3





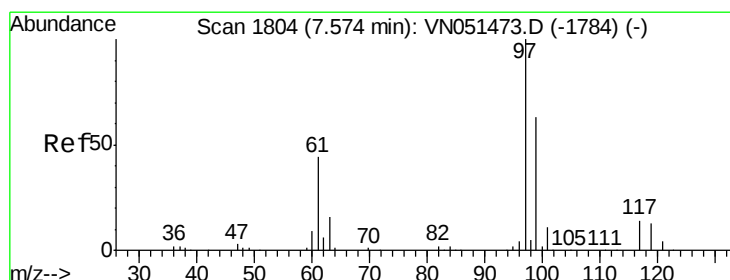
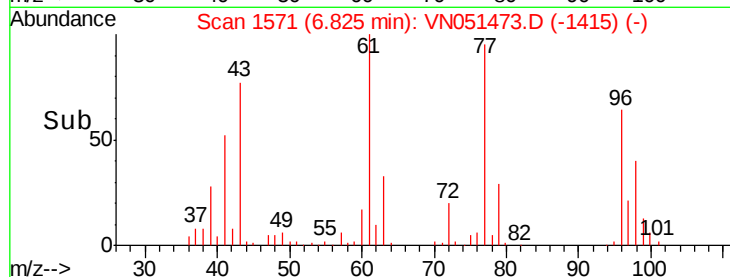
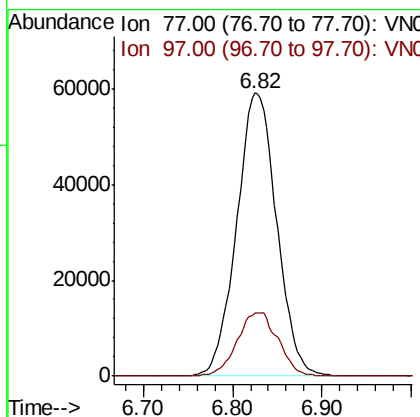
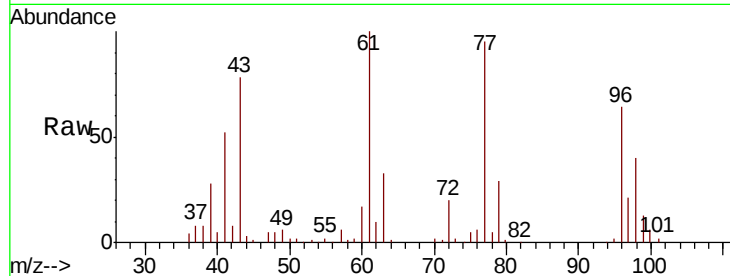
#31
 2,2-Dichloropropane
 Concen: 23.207 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN051473.D
 Acq: 25 Sep 2018 9:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion: 77 Resp: 184148
 Ion Ratio Lower Upper
 77 100
 97 22.9 12.0 18.0#

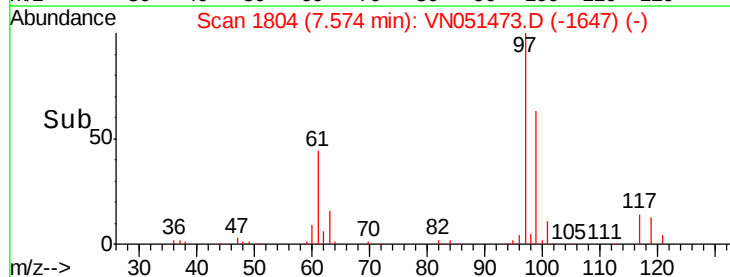
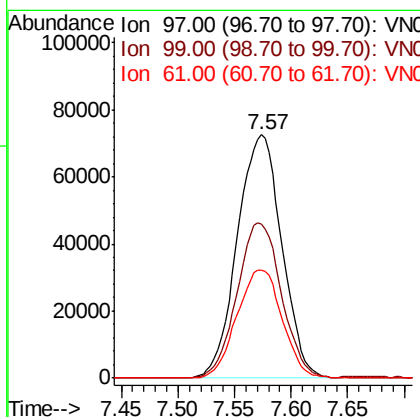
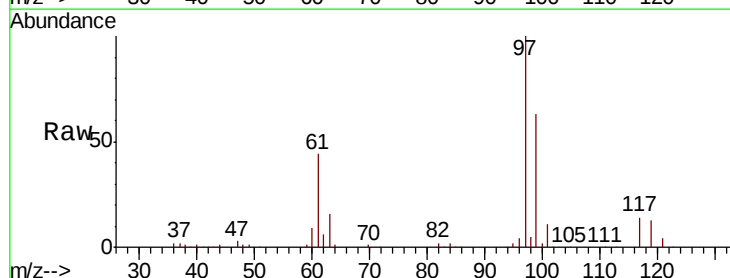
Manual Integrations
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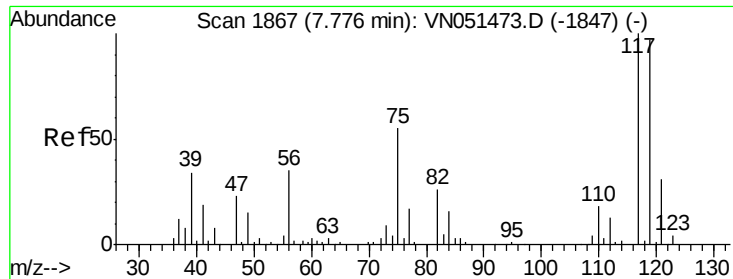
MMDadoda
 10/1/2018 11:21:25 AM



#32
 1,1,1-Trichloroethane
 Concen: 23.351 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN051473.D
 Acq: 25 Sep 2018 9:36

Tgt Ion: 97 Resp: 198314
 Ion Ratio Lower Upper
 97 100
 99 63.8 51.6 77.4
 61 45.3 37.4 56.0





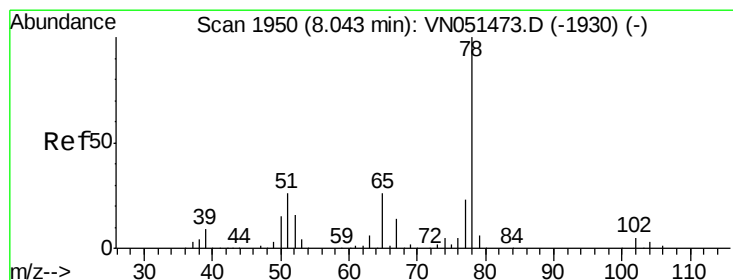
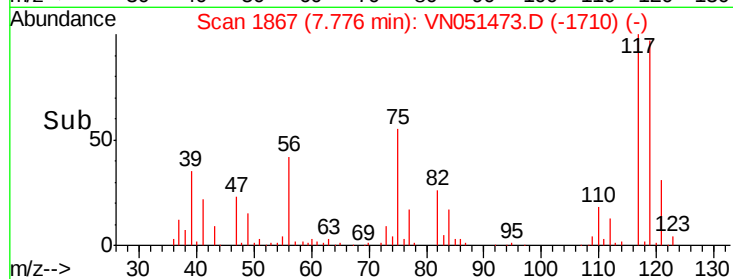
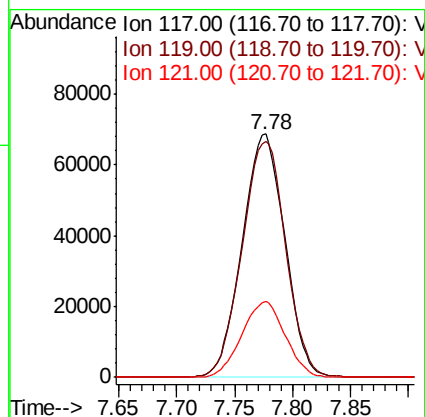
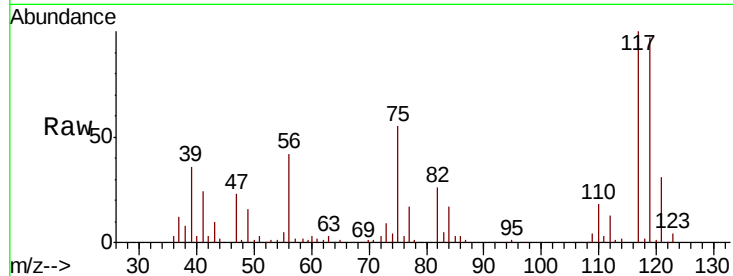
#33
Carbon Tetrachloride
Concen: 22.623 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051473.D
Acq: 25 Sep 2018 9:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.8	85.1	127.7
121	31.4	24.2	36.2

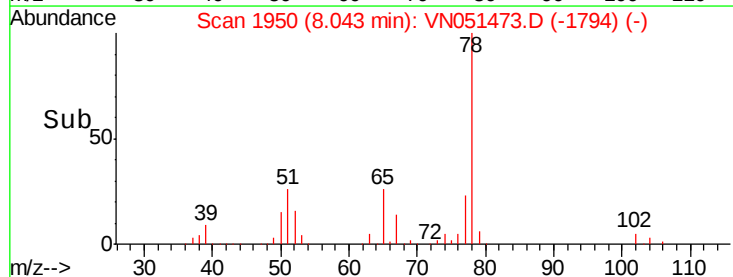
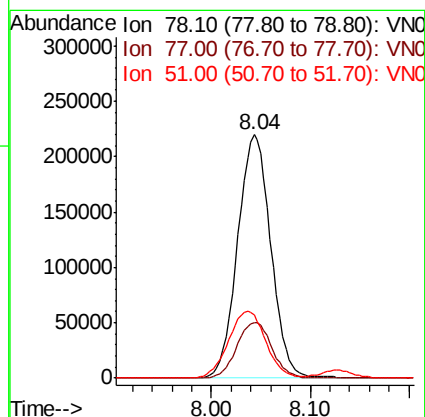
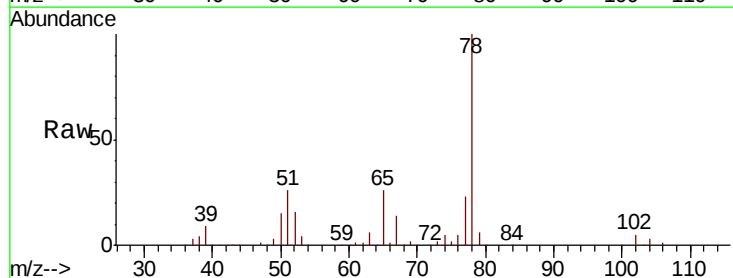
Manual Integrations
APPROVED

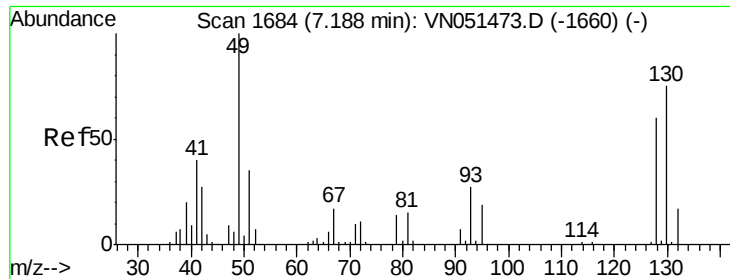
MMDadoda
10/1/2018 11:21:25 AM



#34
Benzene
Concen: 23.241 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051473.D
Acq: 25 Sep 2018 9:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.8	28.2
51	25.6	46.2	69.4#





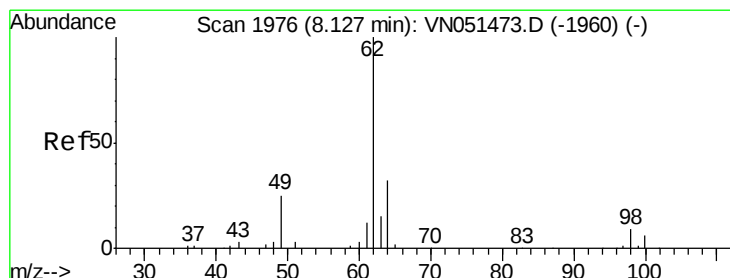
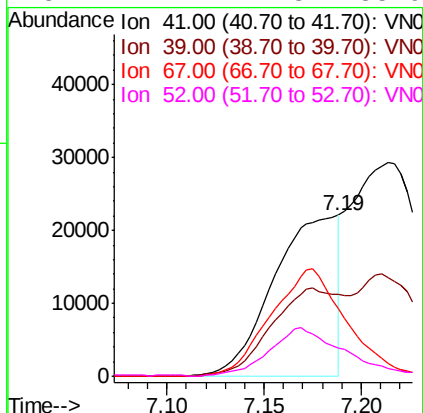
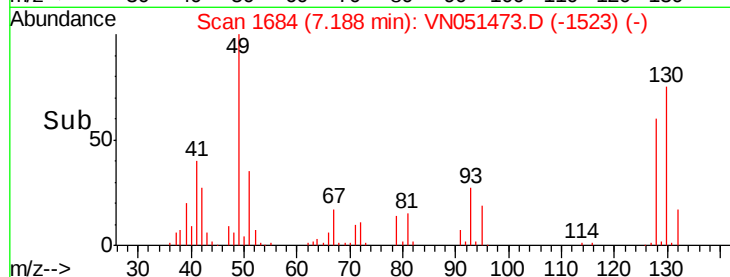
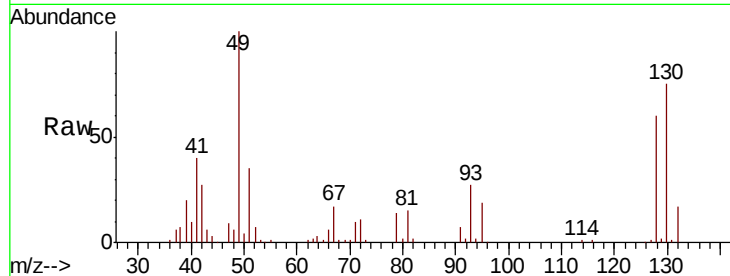
#35
Methacrylonitrile
Concen: 18.312 ug/l m
RT: 7.19 min Scan# 1684
Delta R.T. 0.02 min
Lab File: VN051473.D
Acq: 25 Sep 2018 9:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	41	Resp	50707
Ion Ratio	Lower	Upper	
41	100		
39	50.7	22.6	67.7
67	42.0	28.9	86.8
52	17.4	11.3	33.9

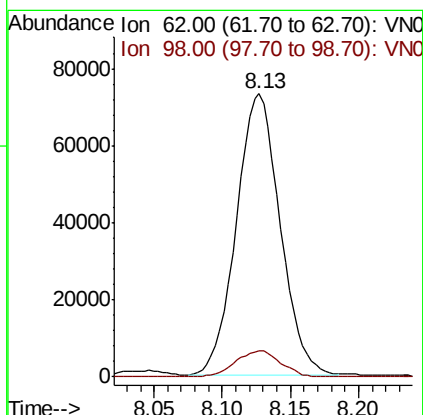
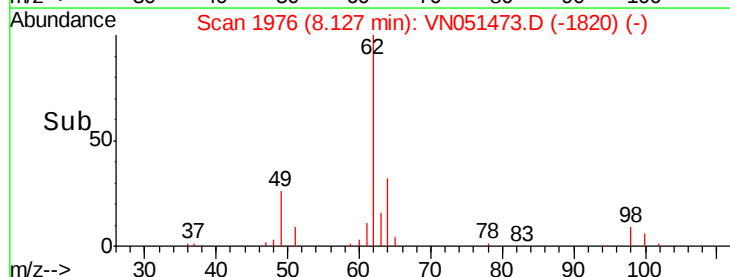
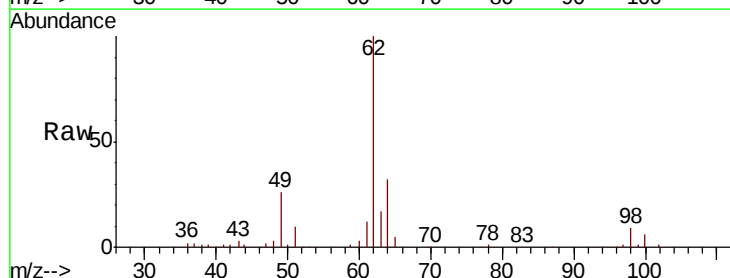
Manual Integrations
APPROVED

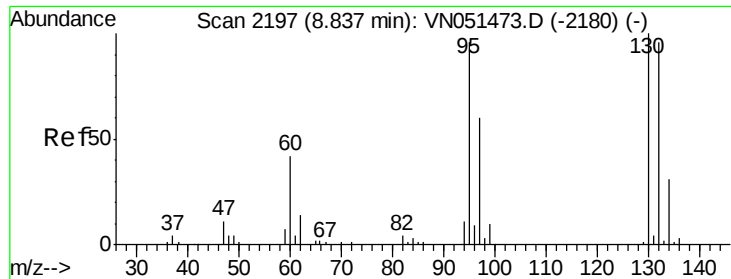
MMDadoda
10/1/2018 11:21:25 AM



#36
1,2-Dichloroethane
Concen: 22.585 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051473.D
Acq: 25 Sep 2018 9:36

Tgt Ion	62	Resp	162425
Ion Ratio	Lower	Upper	
62	100		
98	9.5	6.9	10.3





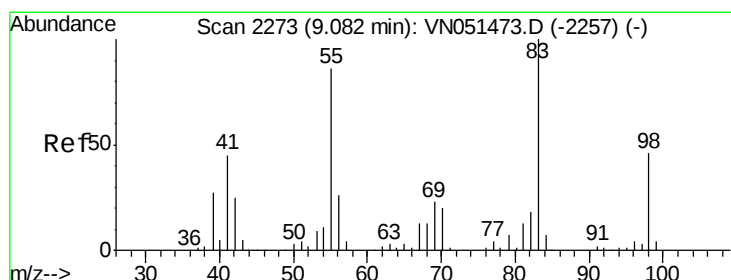
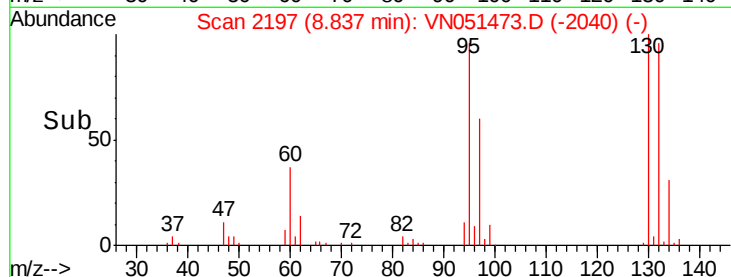
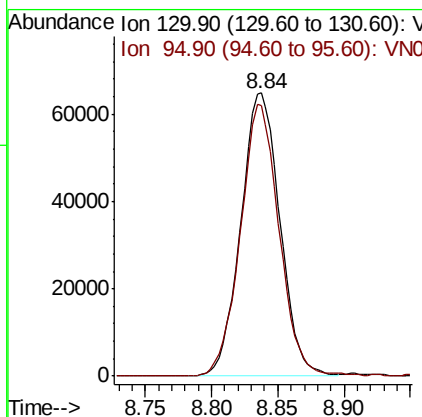
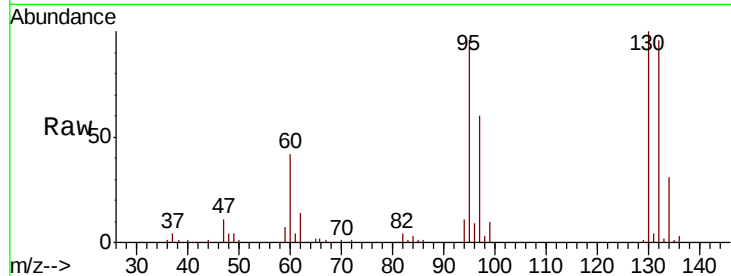
#37
 Trichloroethene
 Concen: 22.771 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN051473.D
 Acq: 25 Sep 2018 9:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion:130 Resp: 133298
 Ion Ratio Lower Upper
 130 100
 95 95.6 76.4 114.6

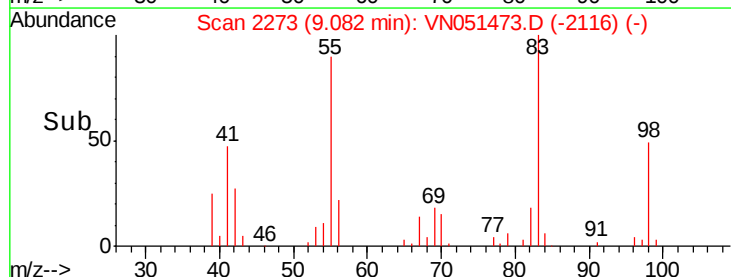
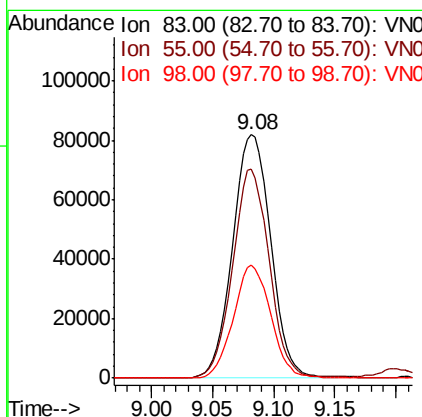
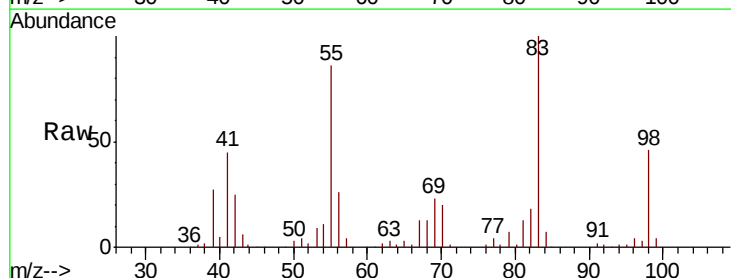
Manual Integrations
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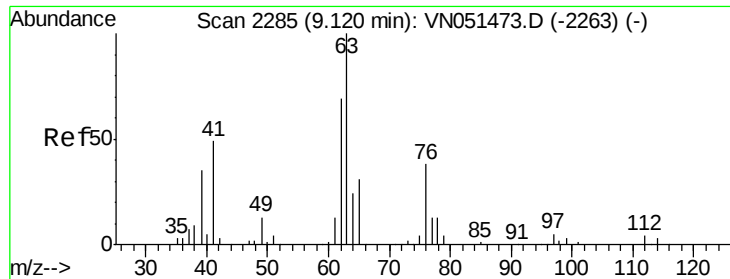
MMDadoda
 10/1/2018 11:21:25 AM



#38
 Methylcyclohexane
 Concen: 20.649 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN051473.D
 Acq: 25 Sep 2018 9:36

Tgt Ion: 83 Resp: 178069
 Ion Ratio Lower Upper
 83 100
 55 82.3 43.0 129.2
 98 45.2 21.3 63.7





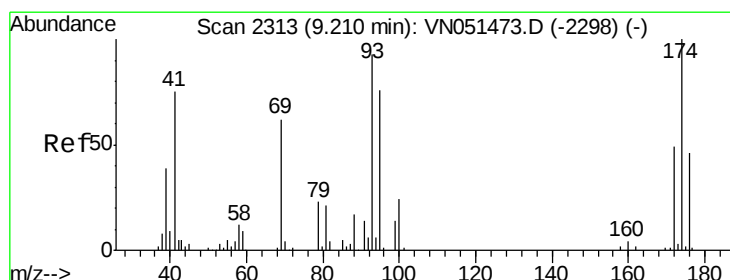
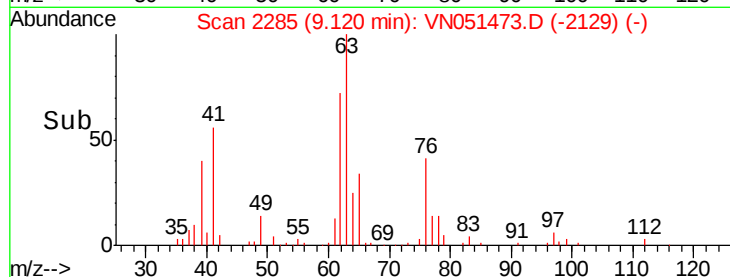
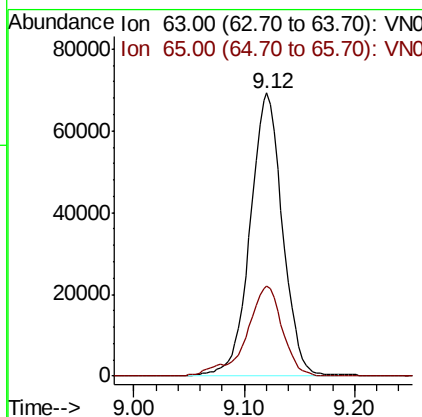
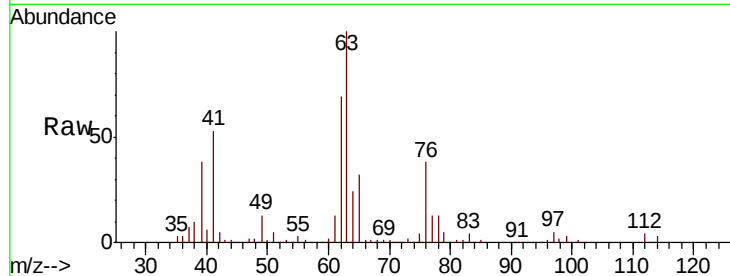
#39
 1,2-Dichloropropane
 Concen: 23.426 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051473.D
 Acq: 25 Sep 2018 9:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.6	23.2	34.8

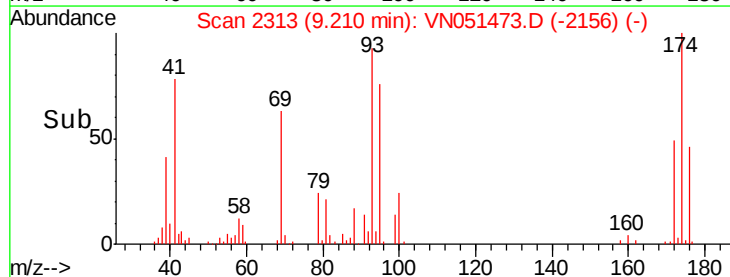
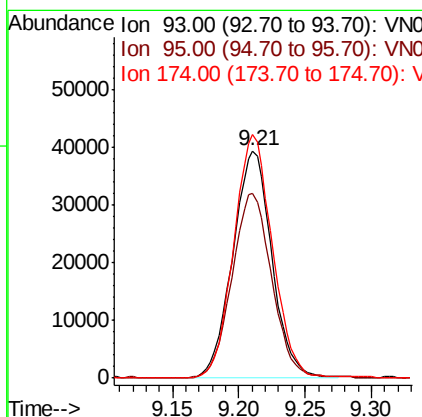
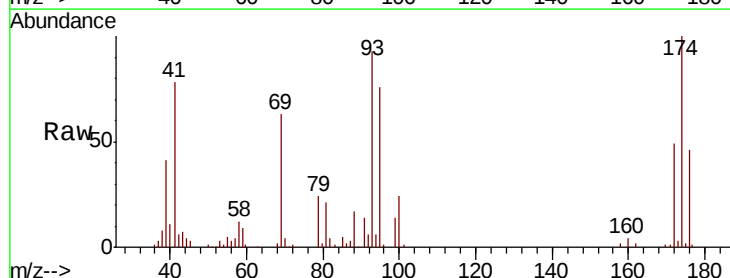
Manual Integrations
 APPROVED

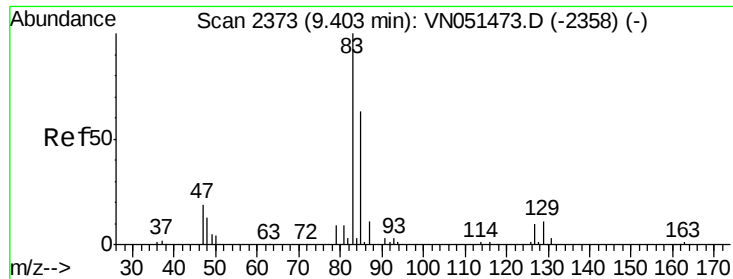
MMDadoda
 10/1/2018 11:21:25 AM



#40
 Dibromomethane
 Concen: 23.616 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051473.D
 Acq: 25 Sep 2018 9:36

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.4	0.0	162.0
174	105.8	0.0	214.0





#41

Bromodichloromethane

Concen: 23.163 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051473.D

Acq: 25 Sep 2018 9:36

Instrument :

MSVOA_N

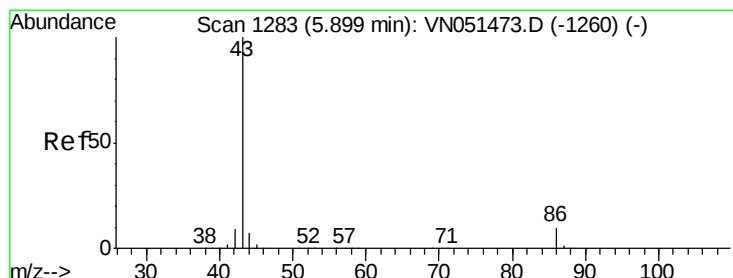
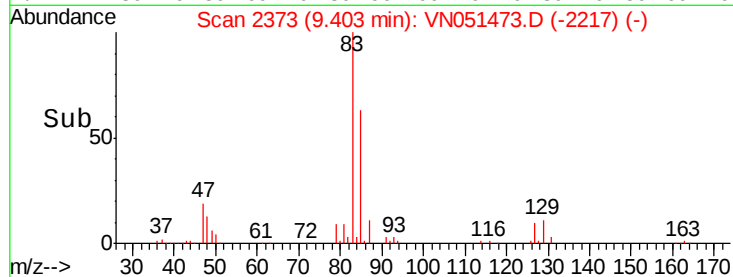
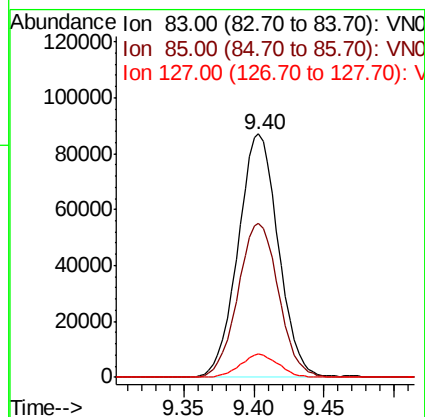
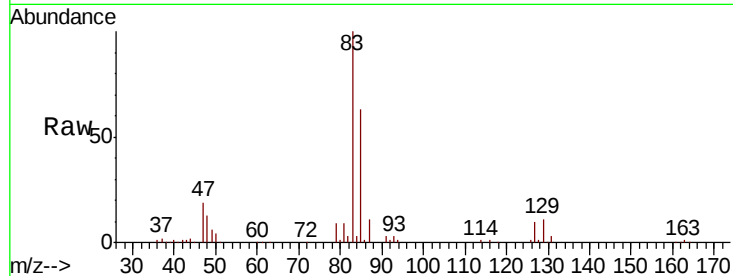
ClientSampled :

VSTDICCC020

Tot Ion:	83	Resp:	174146
Ion Ratio	Lower	Upper	
83	100		
85	63.4	55.7	83.5
127	9.5	8.2	12.4

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#42

Vinyl Acetate

Concen: 106.765 ug/l

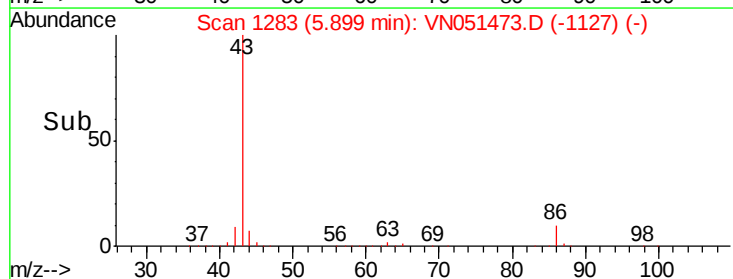
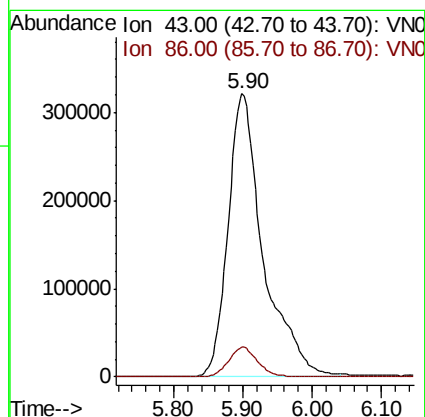
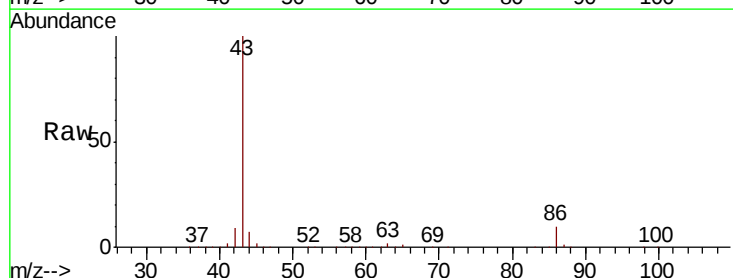
RT: 5.90 min Scan# 1283

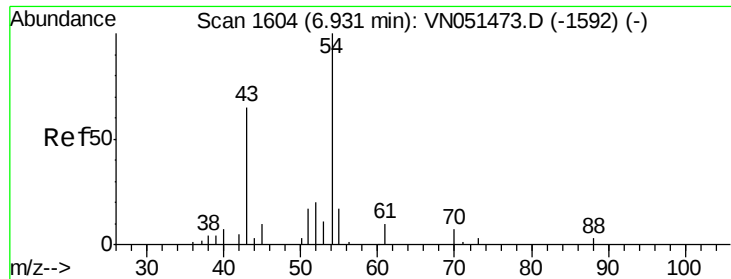
Delta R.T. 0.00 min

Lab File: VN051473.D

Acq: 25 Sep 2018 9:36

Tgt Ion:	43	Resp:	1140800
Ion Ratio	Lower	Upper	
43	100		
86	8.6	6.5	9.7





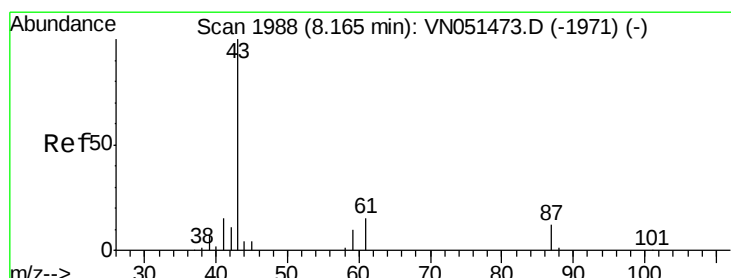
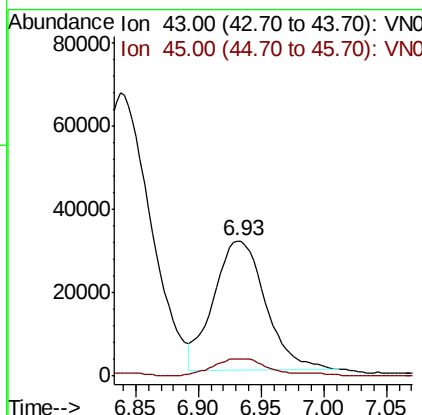
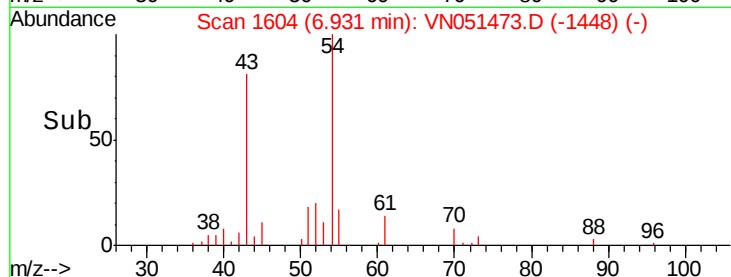
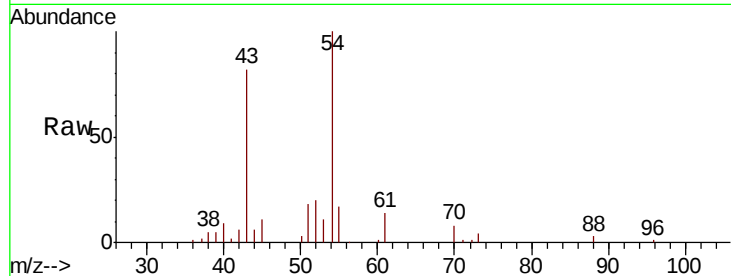
#43
Ethyl Acetate
Concen: 22.592 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN051473.D
Acq: 25 Sep 2018 9:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	43	45	Ratio	Lower	Upper
90328	100	6.9		11.0	16.6#

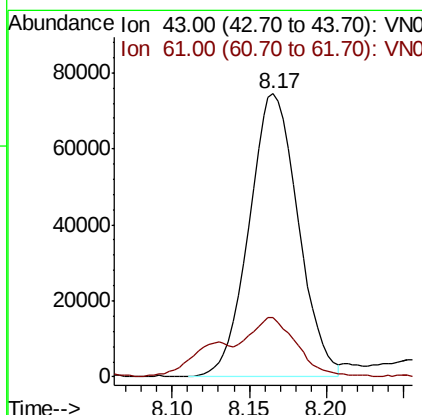
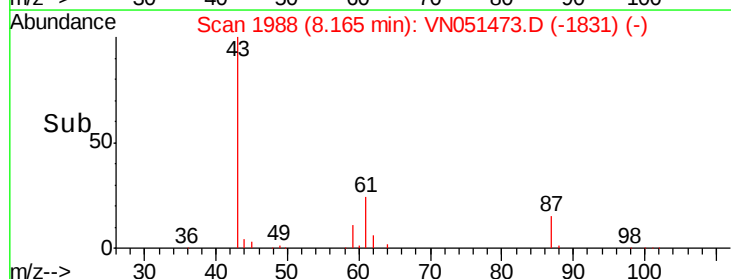
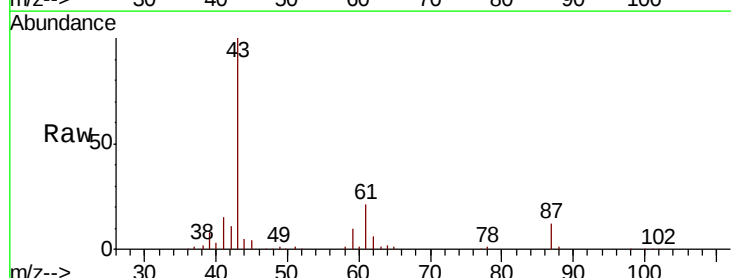
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APPROVED

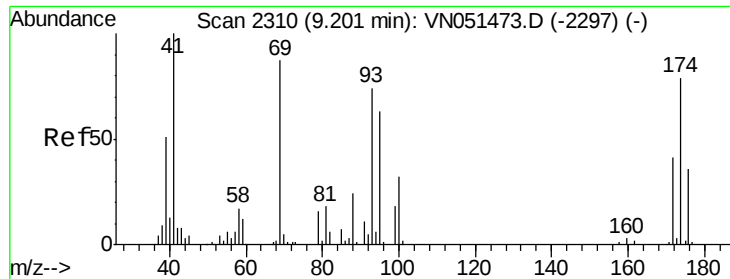
MMDadoda
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#44
Isopropyl Acetate
Concen: 21.267 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN051473.D
Acq: 25 Sep 2018 9:36

Tgt Ion	43	61	Ratio	Lower	Upper
163539	100	21.1		15.9	23.9





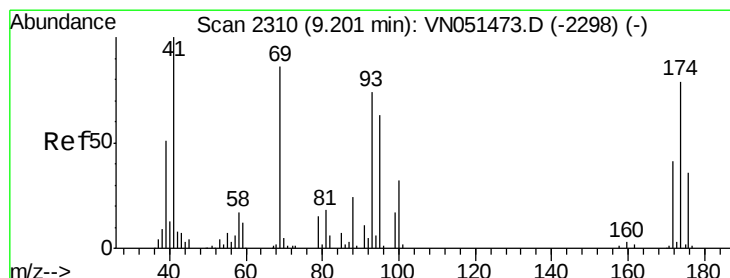
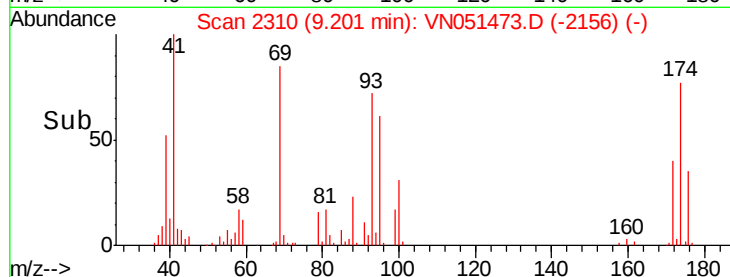
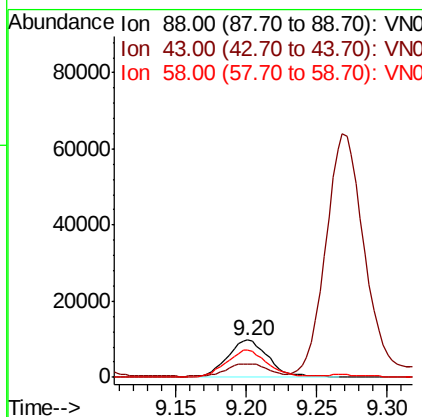
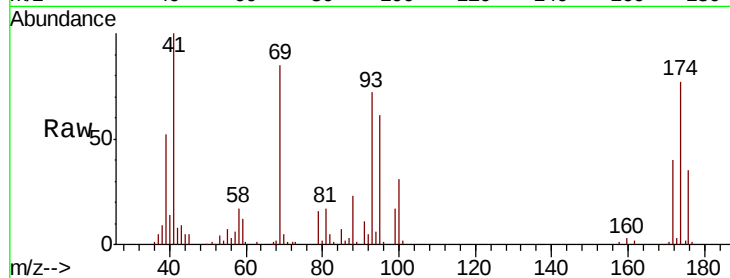
#45
 1,4-Dioxane
 Concen: 434.865 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.01 min
 Lab File: VN051473.D
 Acq: 25 Sep 2018 9:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.5	26.2	39.2
58	72.4	65.6	98.4

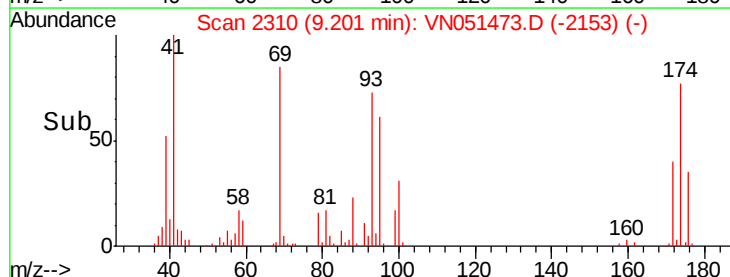
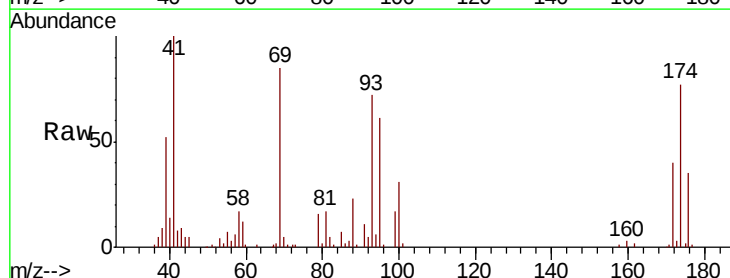
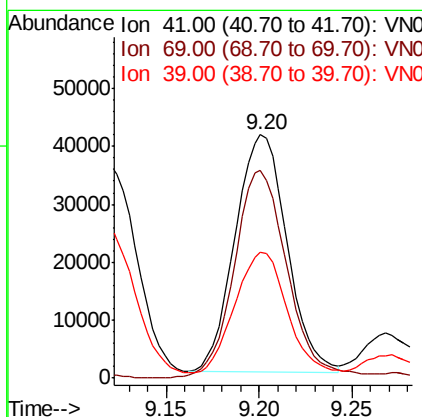
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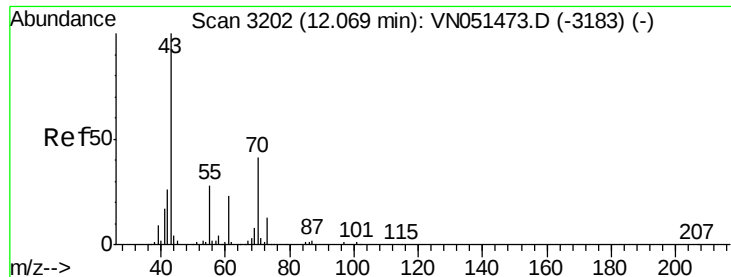
MMDadoda
 10/1/2018 11:21:25 AM



#46
 Methyl methacrylate
 Concen: 21.013 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN051473.D
 Acq: 25 Sep 2018 9:36

Tgt Ion	Ratio	Lower	Upper
41	100		
69	86.4	40.7	122.1
39	51.0	27.3	81.9





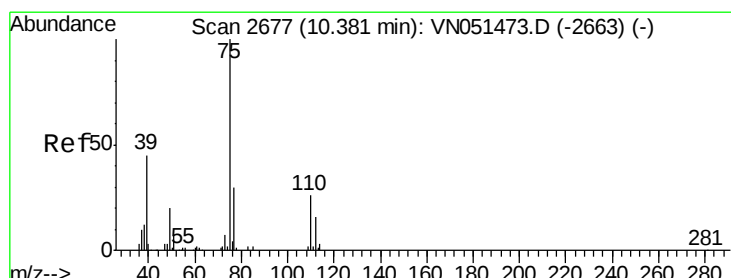
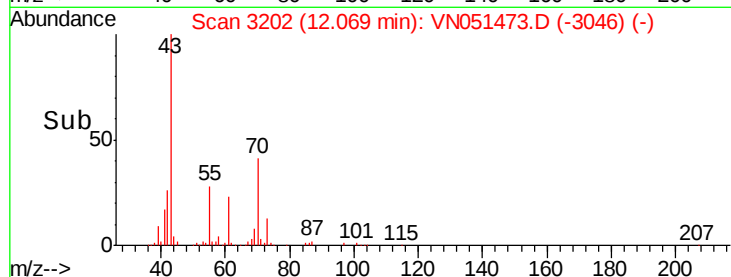
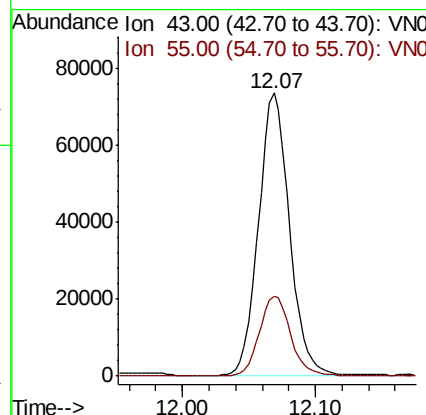
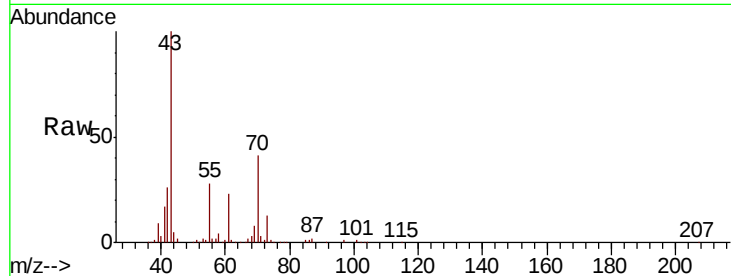
#47
n-amvl Acetate
Concen: 19.513 ug/l m
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN051473.D
Acq: 25 Sep 2018 9:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion: 43 Resp: 119905
Ion Ratio Lower Upper
43 100
55 0.2 12.2 18.4#

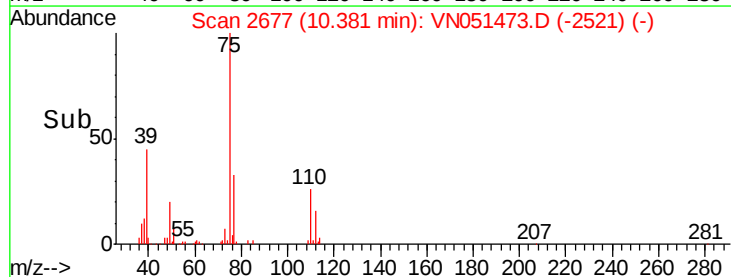
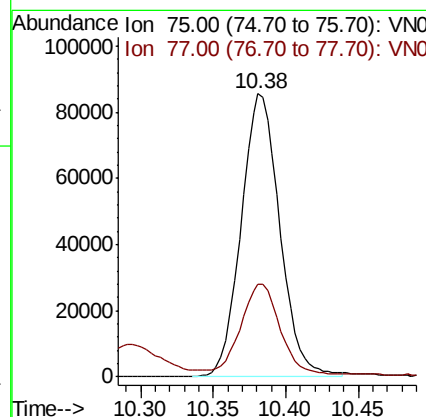
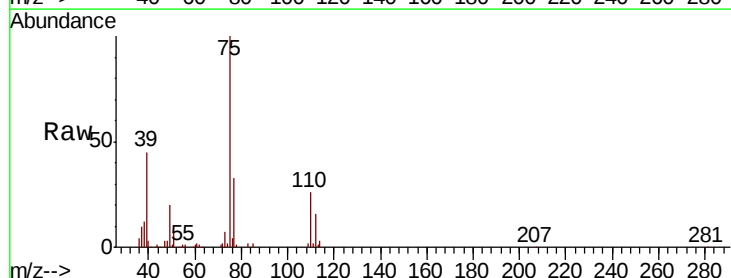
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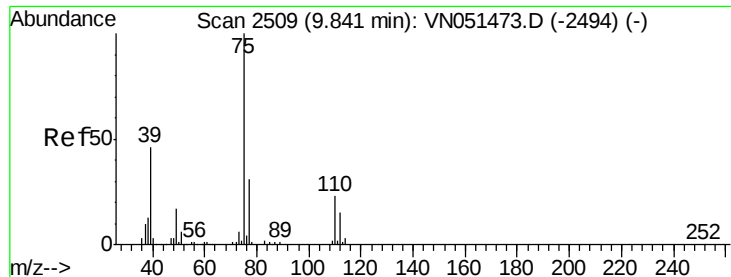
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#48
t-1,3-Dichloropropene
Concen: 21.259 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN051473.D
Acq: 25 Sep 2018 9:36

Tgt Ion: 75 Resp: 158718
Ion Ratio Lower Upper
75 100
77 31.6 24.6 37.0





#49

cis-1,3-Dichloropropene

Concen: 22.504 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN051473.D

Acq: 25 Sep 2018 9:36

Instrument :

MSVOA_N

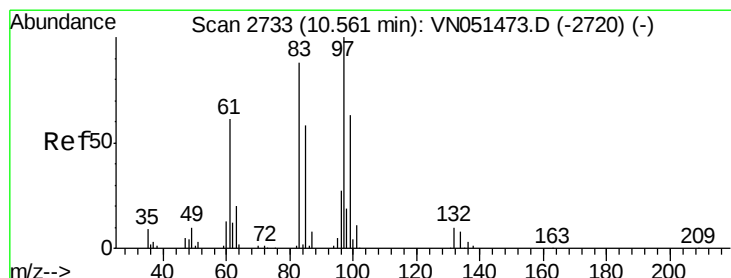
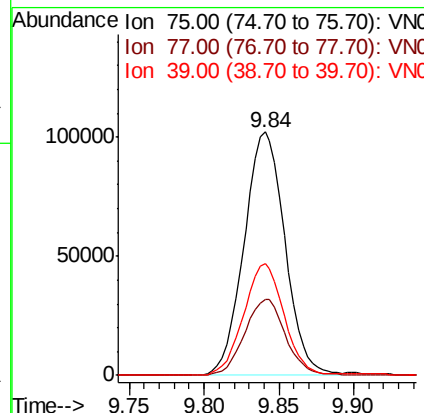
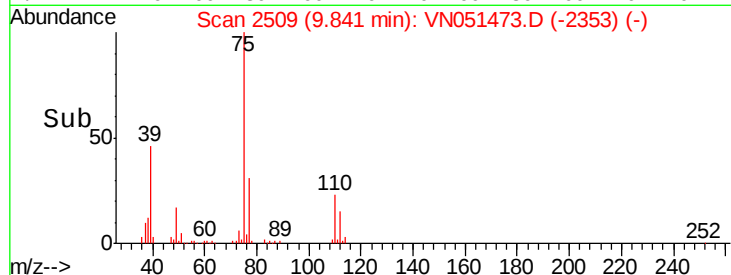
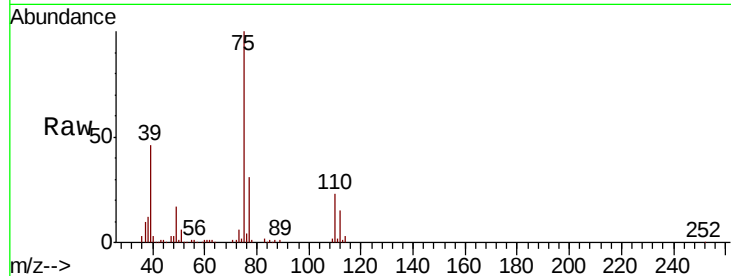
ClientSampled :

VSTDICCC020

Tot Ion:	75	Resp:	194473
Ion Ratio	Lower	Upper	
75	100		
77	31.1	23.2	34.8
39	46.2	34.6	52.0

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#50

1,1,2-Trichloroethane

Concen: 23.254 ug/l

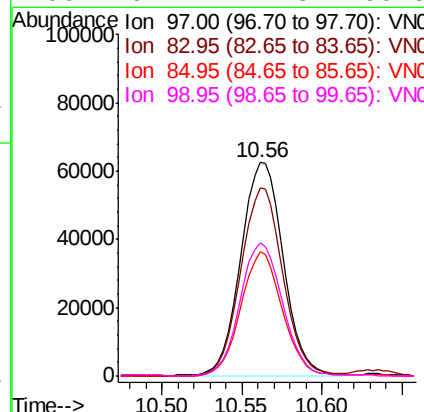
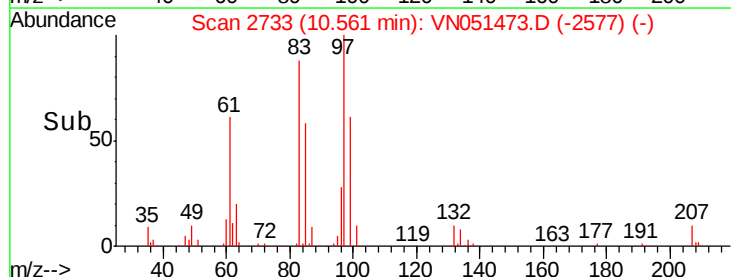
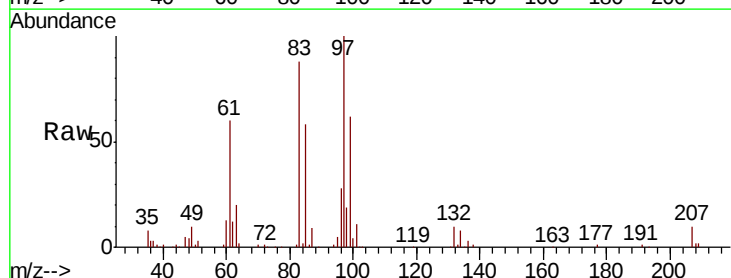
RT: 10.56 min Scan# 2733

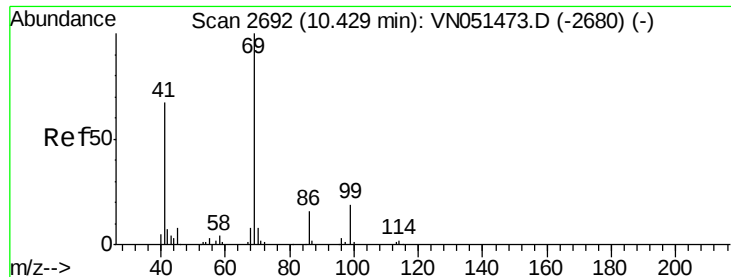
Delta R.T. 0.00 min

Lab File: VN051473.D

Acq: 25 Sep 2018 9:36

Tgt Ion:	97	Resp:	113702
Ion Ratio	Lower	Upper	
97	100		
83	87.9	68.2	102.4
85	58.4	42.5	63.7
99	62.7	44.3	66.5





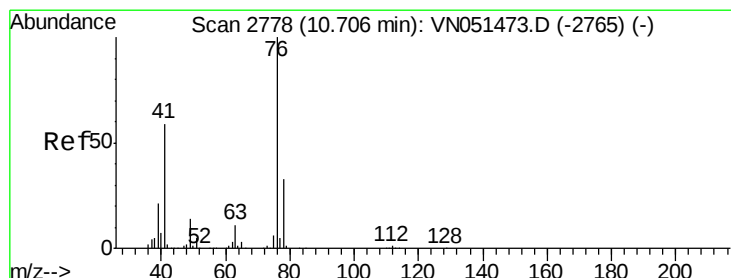
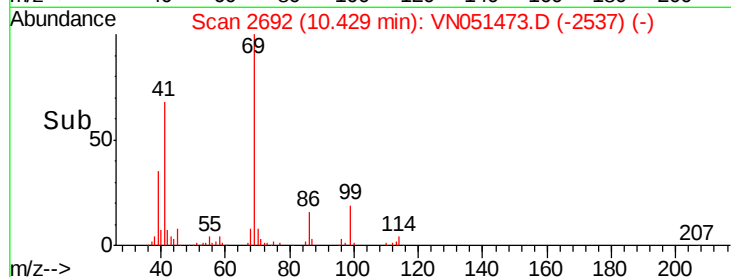
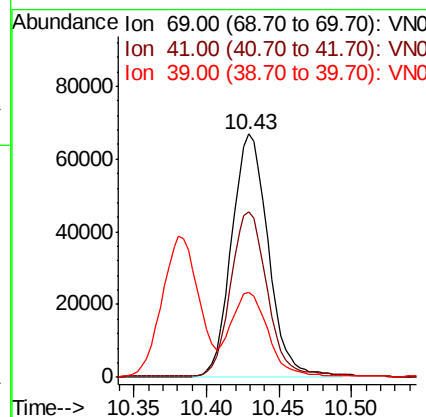
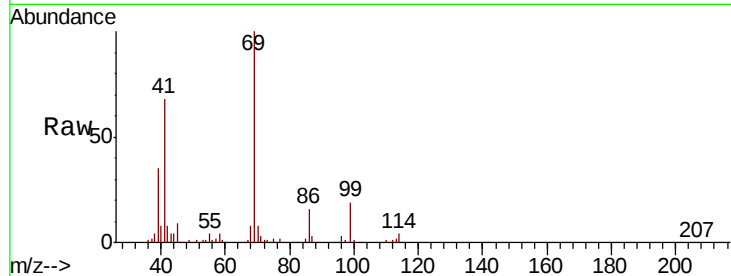
#51
Ethyl methacrylate
Concen: 20.404 ug/l
RT: 10.43 min Scan# 2692
Delta R.T. -0.00 min
Lab File: VN051473.D
Acq: 25 Sep 2018 9:36

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
69	100		
41	67.3	34.4	103.1
39	34.4	16.3	48.8

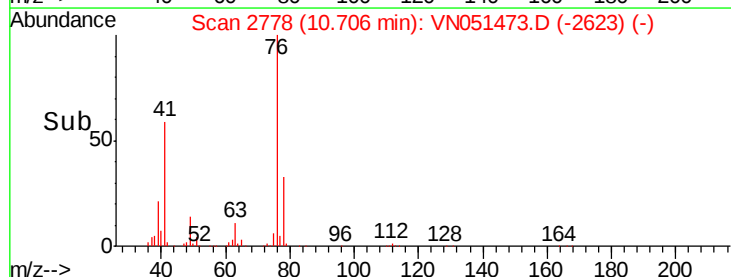
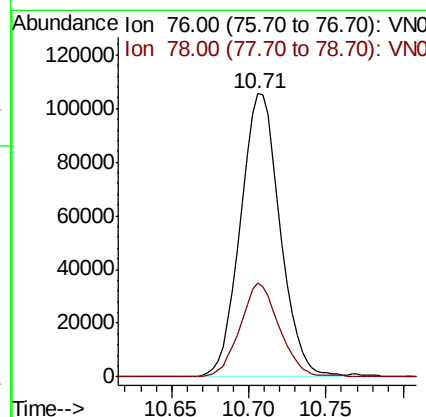
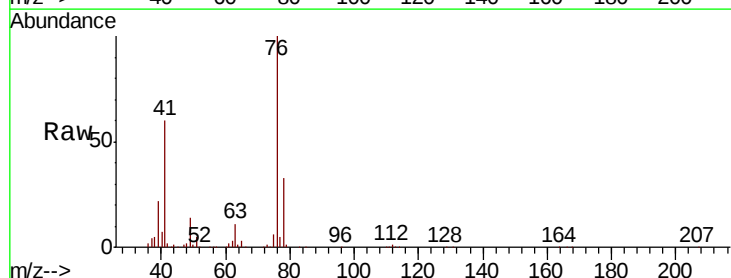
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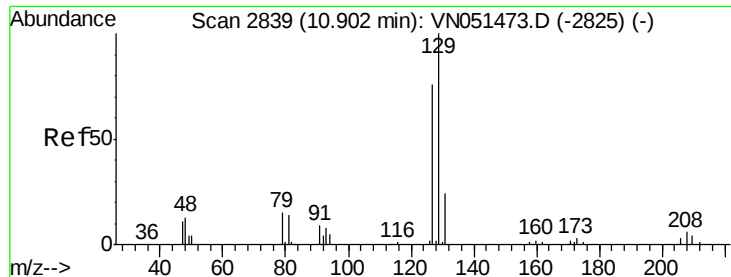
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#52
1,3-Dichloropropane
Concen: 22.839 ug/l
RT: 10.71 min Scan# 2778
Delta R.T. -0.00 min
Lab File: VN051473.D
Acq: 25 Sep 2018 9:36

Tgt Ion	Ratio	Lower	Upper
76	100		
78	32.9	0.0	67.6





#53

Dibromochloromethane

Concen: 22.851 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN051473.D

Acq: 25 Sep 2018 9:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion:129 Resp: 128522

Ion Ratio Lower Upper

129 100

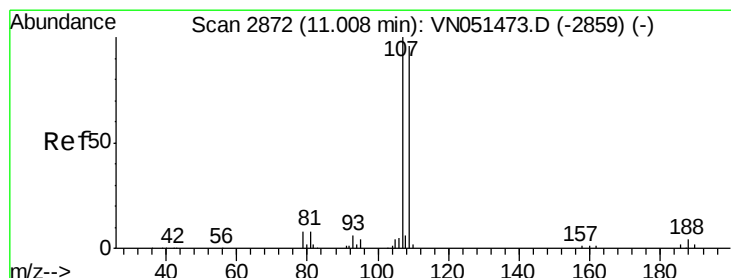
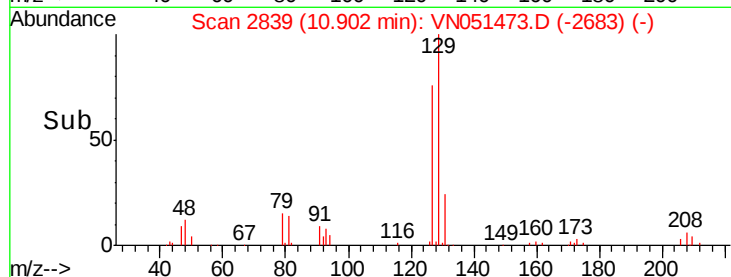
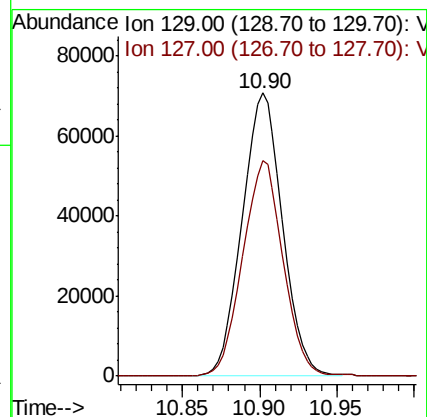
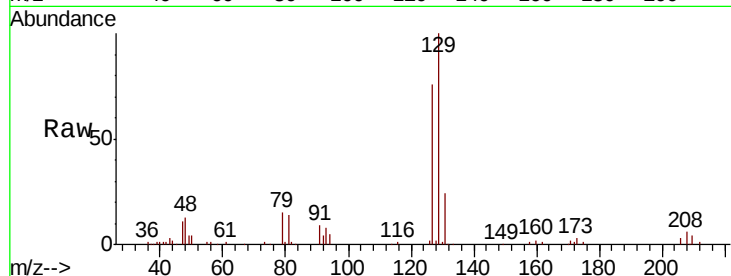
127 76.1 40.2 120.5

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#54

1,2-Dibromoethane

Concen: 22.087 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN051473.D

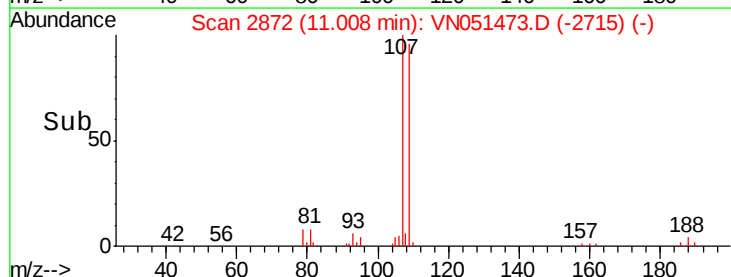
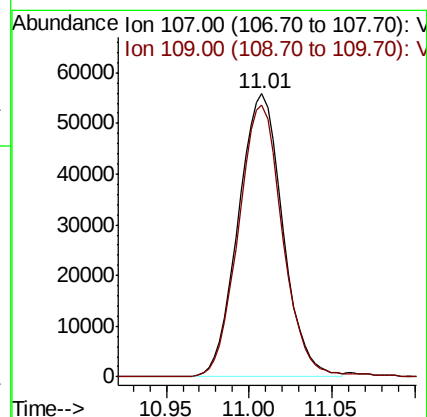
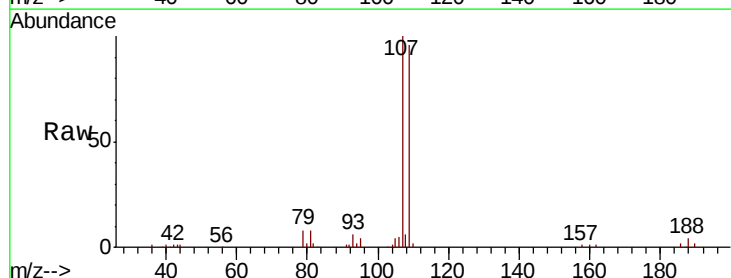
Acq: 25 Sep 2018 9:36

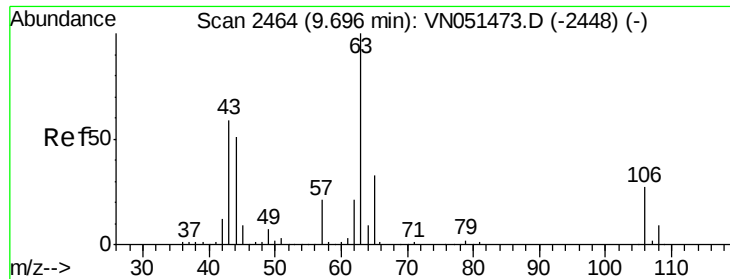
Tgt Ion:107 Resp: 104200

Ion Ratio Lower Upper

107 100

109 95.1 77.4 116.0





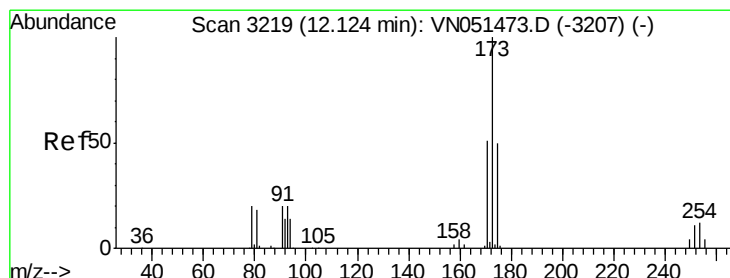
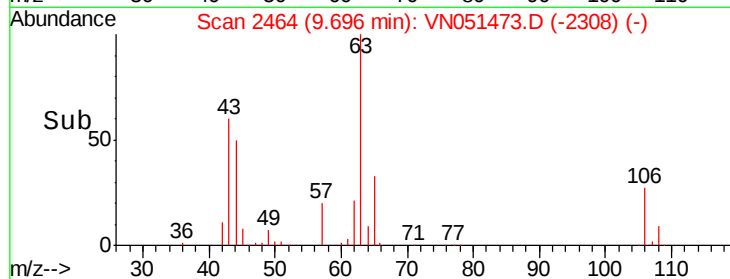
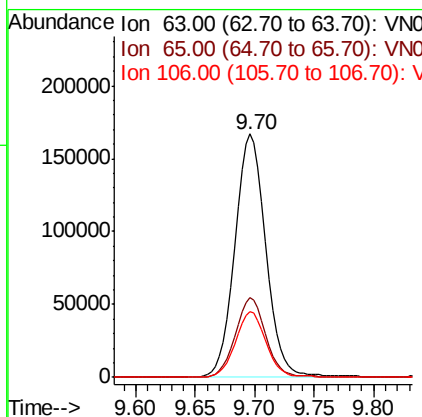
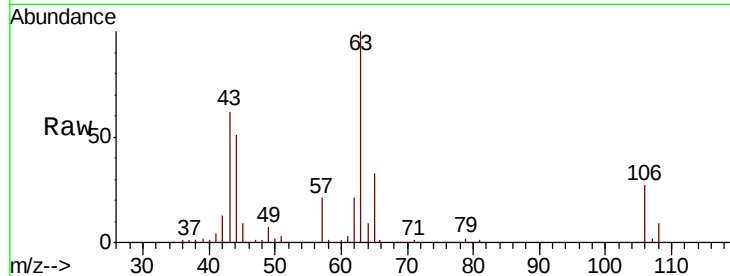
#55
 2-Chloroethyl vinyl ether
 Concen: 105.433 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051473.D
 Acq: 25 Sep 2018 9:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.2	25.4	38.0
106	26.8	21.2	31.8

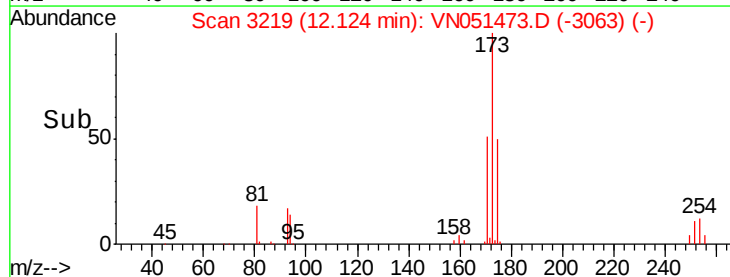
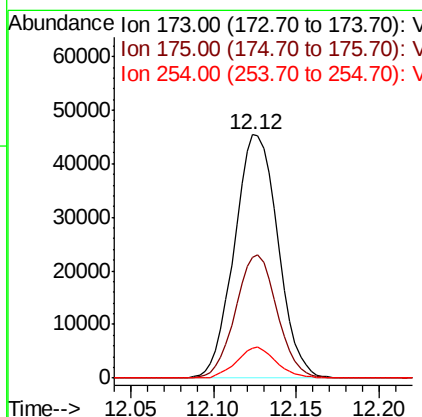
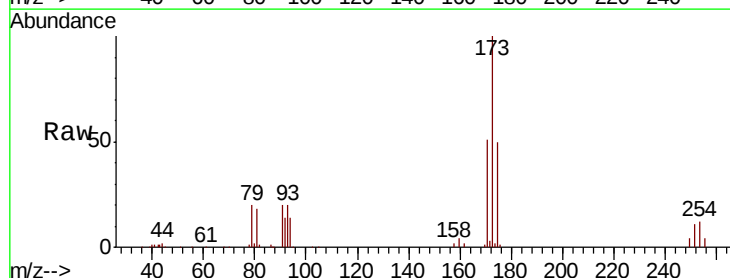
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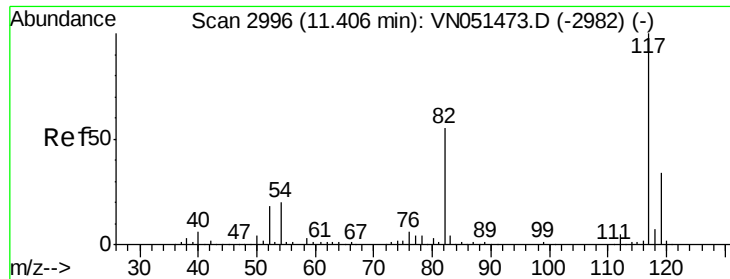
MMDadoda
 10/1/2018 11:21:25 AM



#56
 Bromoform
 Concen: 21.991 ug/l
 RT: 12.12 min Scan# 3219
 Delta R.T. 0.00 min
 Lab File: VN051473.D
 Acq: 25 Sep 2018 9:36

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.1	35.8	53.8
254	11.6	8.6	13.0





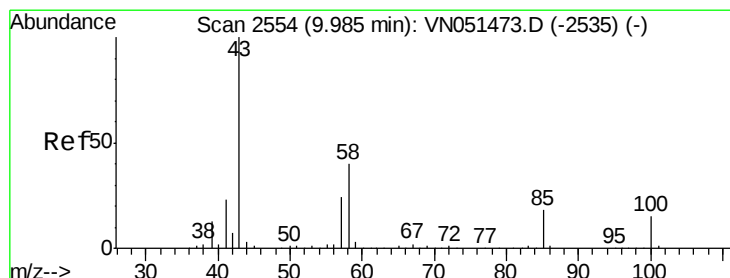
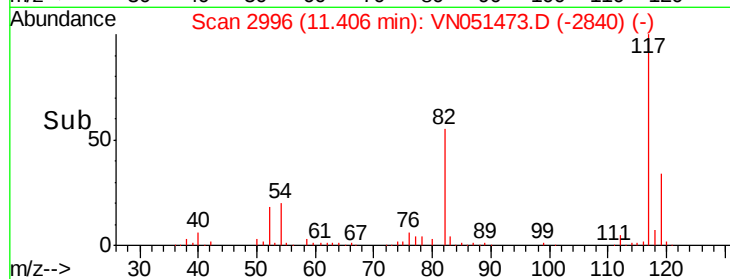
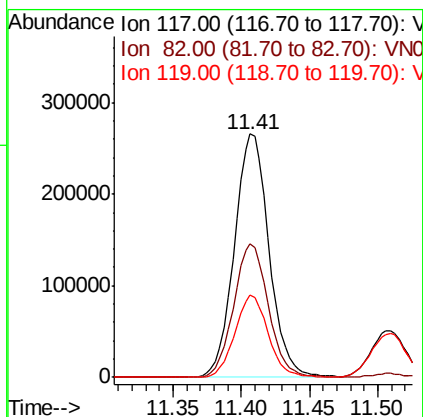
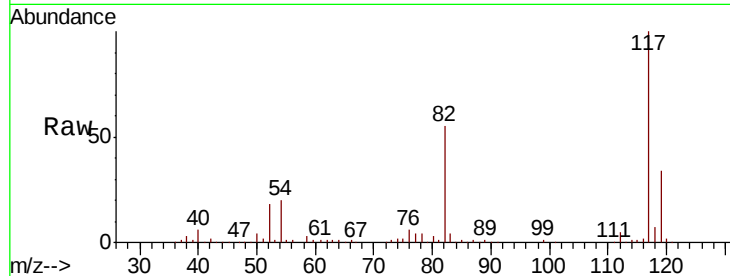
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051473.D
Acq: 25 Sep 2018 9:36

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.9	44.1	66.1
119	32.5	25.8	38.8

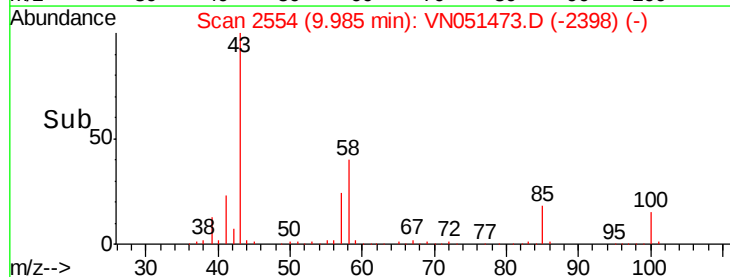
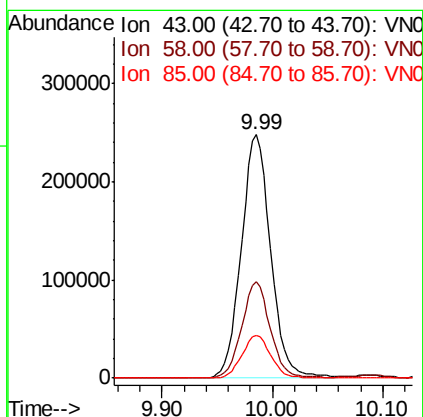
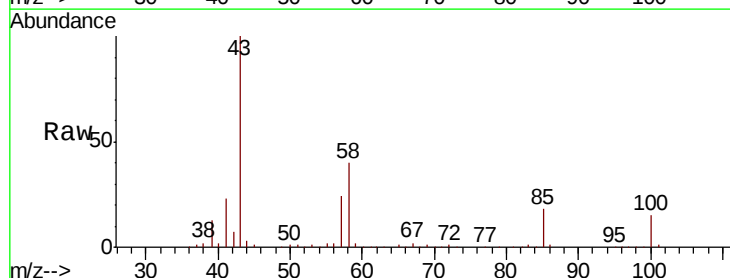
Manual Integrations
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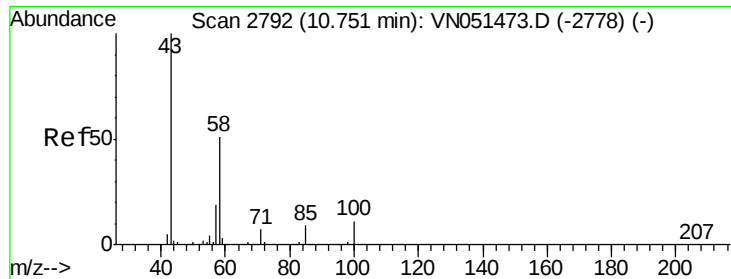
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 110.766 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051473.D
Acq: 25 Sep 2018 9:36

Tgt Ion	Ratio	Lower	Upper
43	100		
58	38.4	29.3	43.9
85	17.3	12.6	18.8





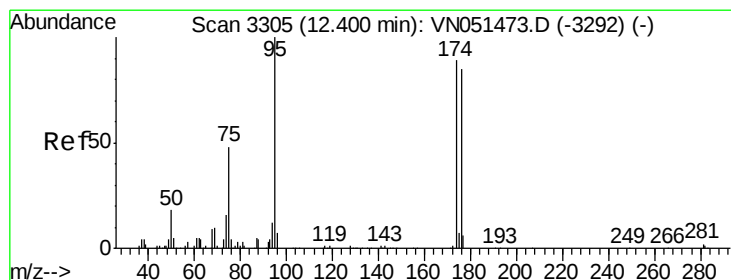
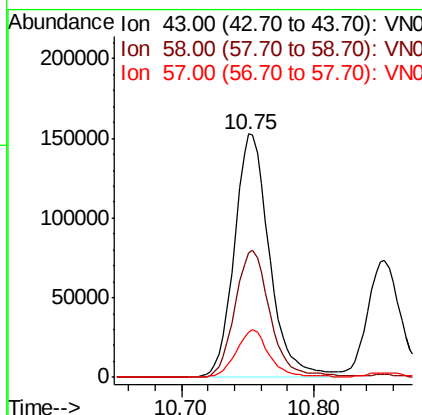
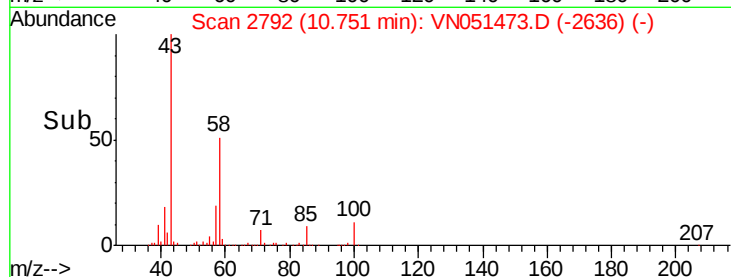
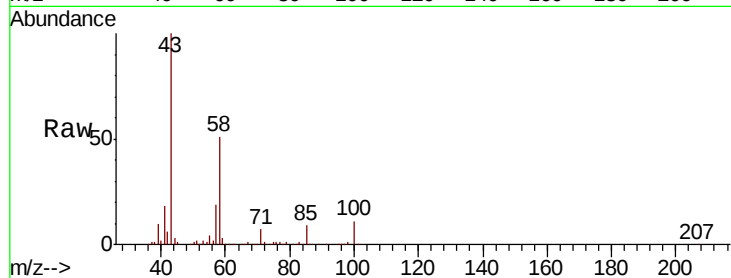
#59
2-Hexanone
Concen: 103.246 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN051473.D
Acq: 25 Sep 2018 9:36

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.9	41.3	61.9
57	18.8	13.4	20.0

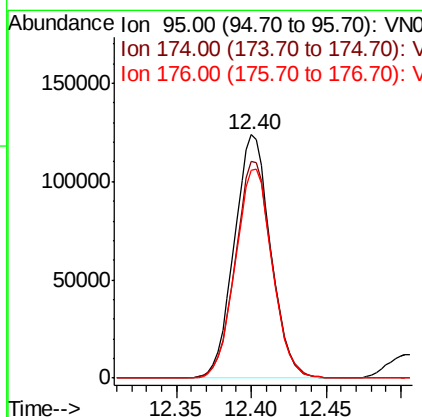
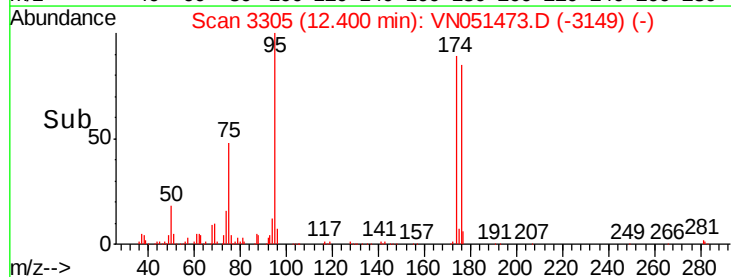
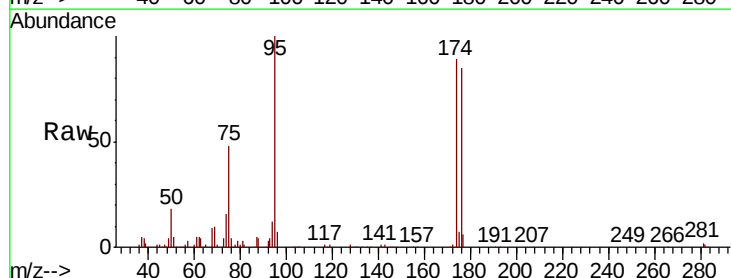
Manual Integrations
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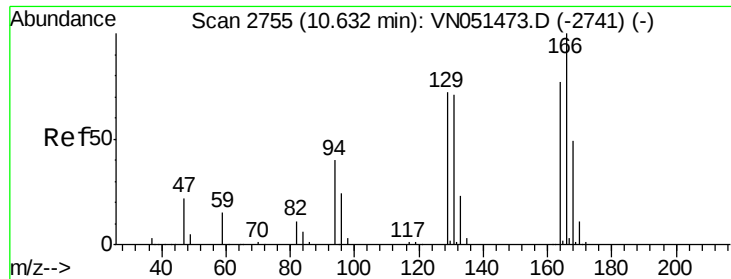
MMDadoda
10/1/2018 11:21:25 AM



#60
4-Bromofluorobenzene
Concen: 30.426 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051473.D
Acq: 25 Sep 2018 9:36

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.9	73.5	110.3
176	87.2	70.2	105.2





#61

Tetrachloroethene

Concen: 23.457 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN051473.D

Acq: 25 Sep 2018 9:36

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC020

Tot Ion:164 Resp: 127802

Ion Ratio Lower Upper

164 100

166 130.2 98.7 148.1

129 93.8 69.6 104.4

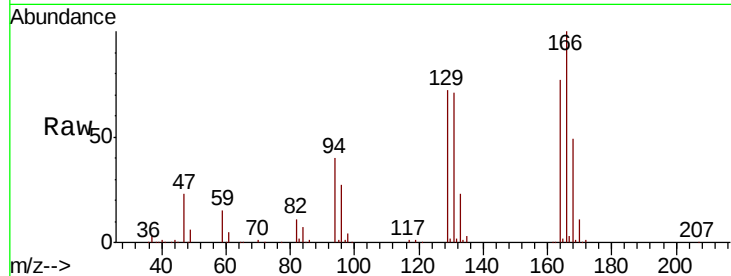
131 92.1 72.4 108.6

Manual Integrations

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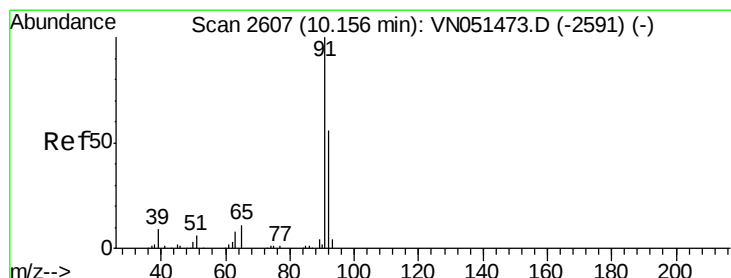
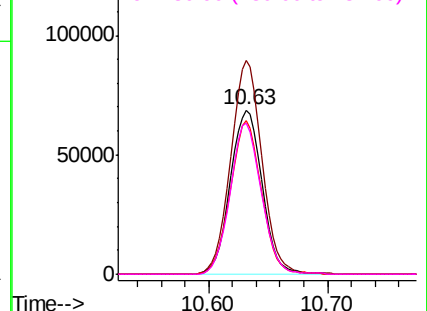
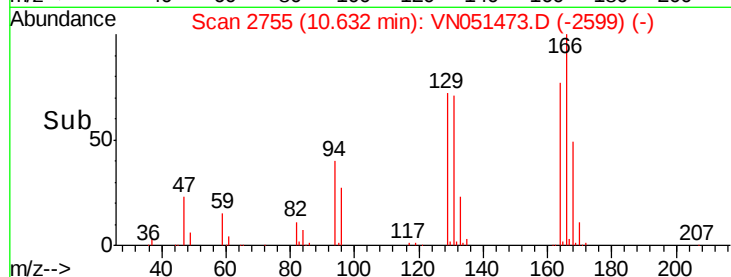


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 23.074 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051473.D

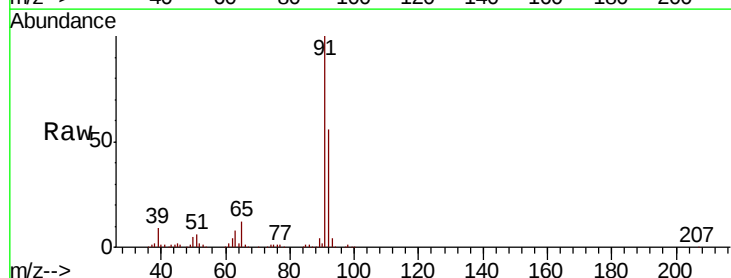
Acq: 25 Sep 2018 9:36

Tgt Ion: 91 Resp: 553184

Ion Ratio Lower Upper

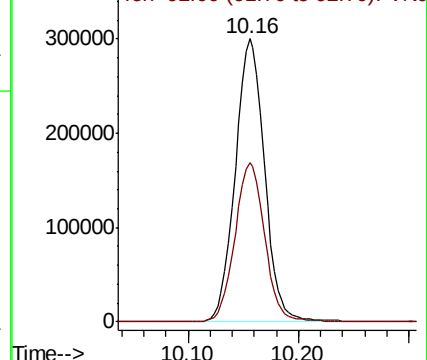
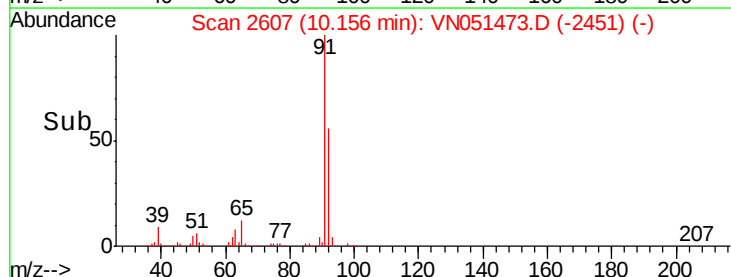
91 100

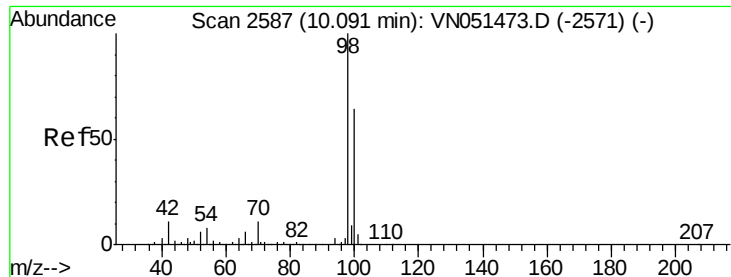
92 56.8 44.6 66.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 31.016 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051473.D

Acq: 25 Sep 2018 9:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 98 Resp: 696423

Ion Ratio Lower Upper

98 100

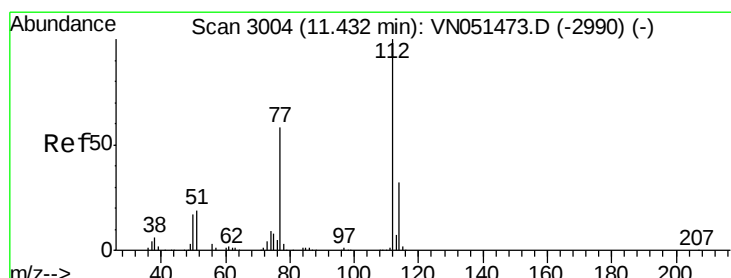
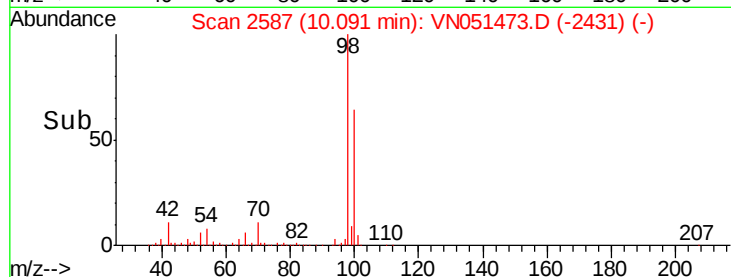
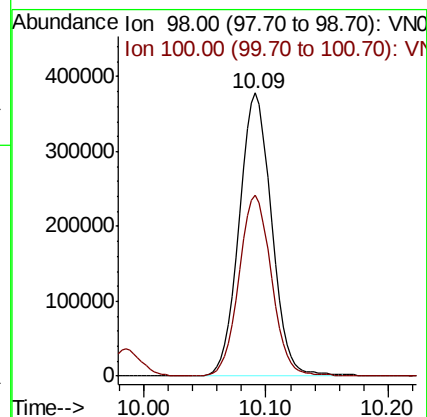
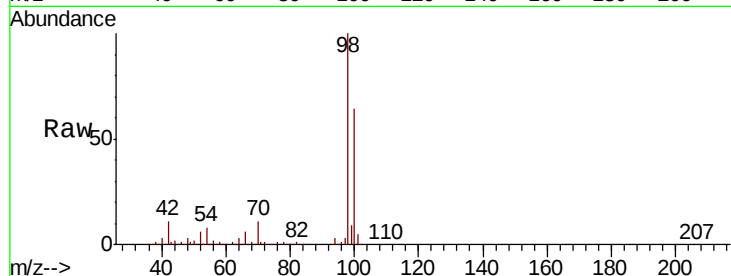
100 64.0 50.8 76.2

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#64

Chlorobenzene

Concen: 22.627 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN051473.D

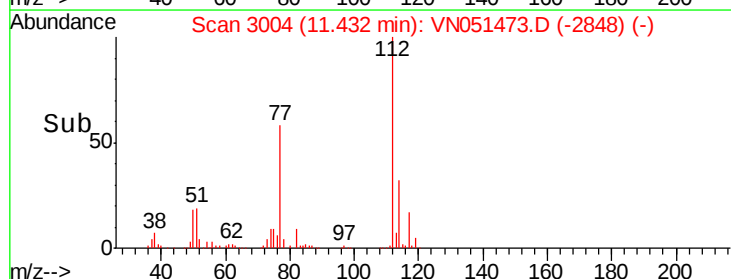
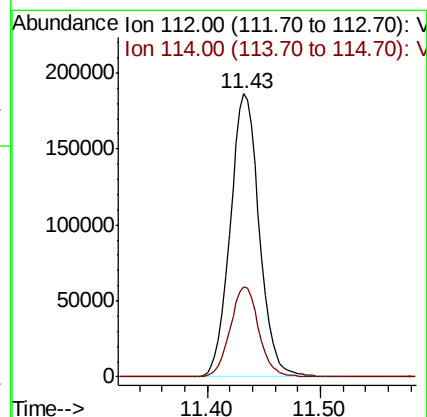
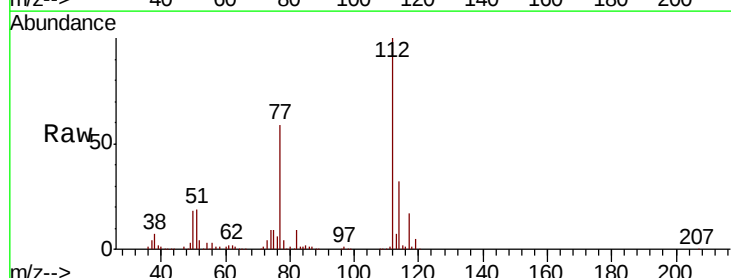
Acq: 25 Sep 2018 9:36

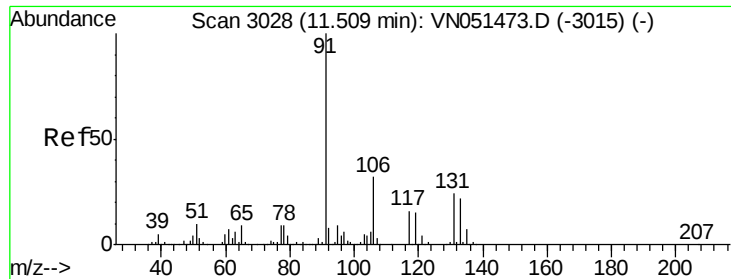
Tgt Ion: 112 Resp: 332586

Ion Ratio Lower Upper

112 100

114 31.8 27.5 41.3





#65

1,1,1,2-Tetrachloroethane

Concen: 23.174 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051473.D

Acq: 25 Sep 2018 9:36

Instrument :

MSVOA_N

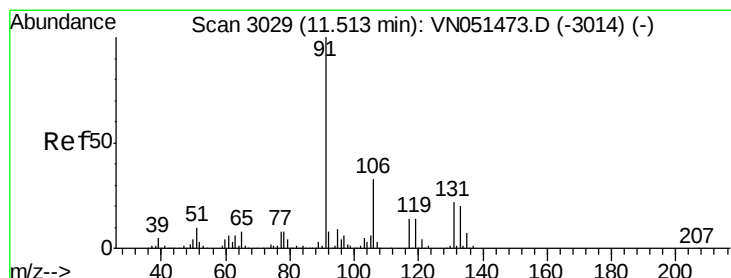
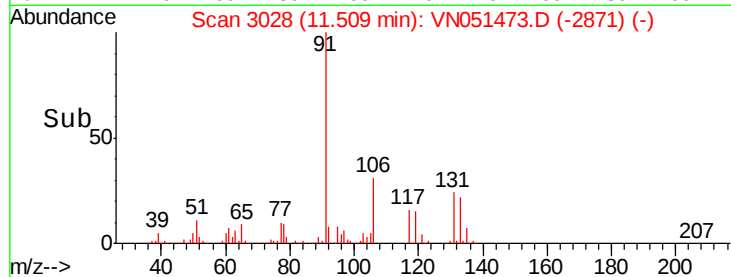
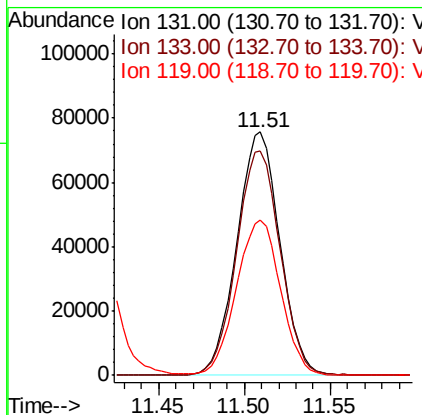
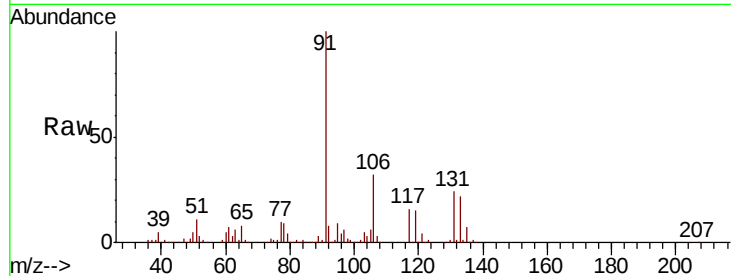
ClientSampled :

VSTDICCC020

Tot Ion:	131	Resp:	131694
Ion Ratio	Lower	Upper	
131	100		
133	93.7	0.0	190.4
119	65.6	0.0	128.0

Manual Integrations
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#66

Ethyl Benzene

Concen: 21.735 ug/l

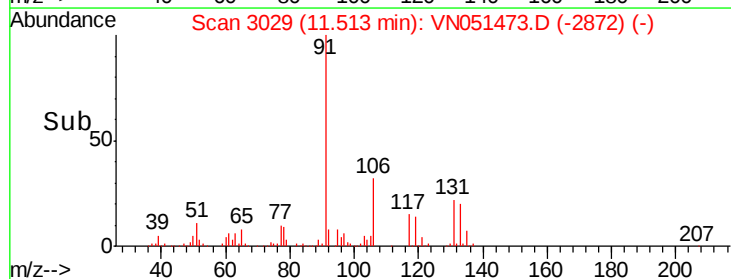
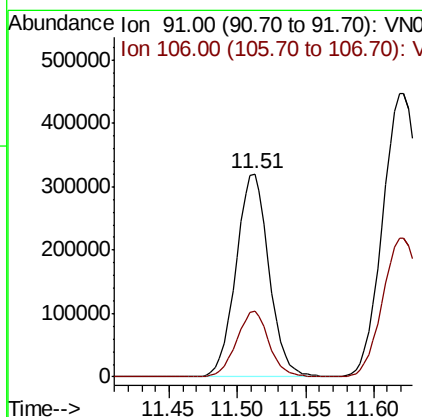
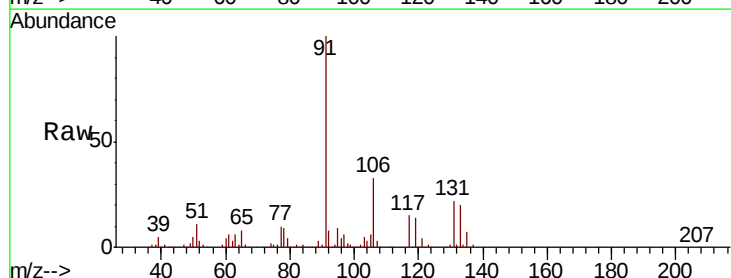
RT: 11.51 min Scan# 3029

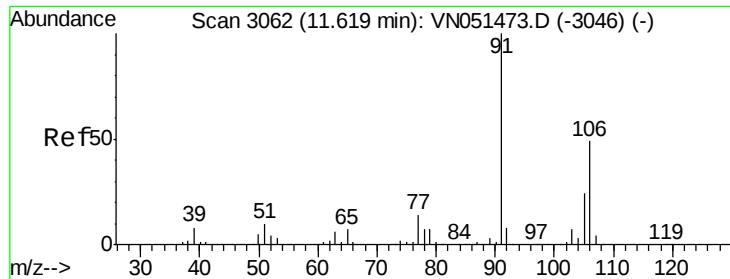
Delta R.T. 0.00 min

Lab File: VN051473.D

Acq: 25 Sep 2018 9:36

Tgt Ion:	91	Resp:	537569
Ion Ratio	Lower	Upper	
91	100		
106	32.6	25.9	38.9





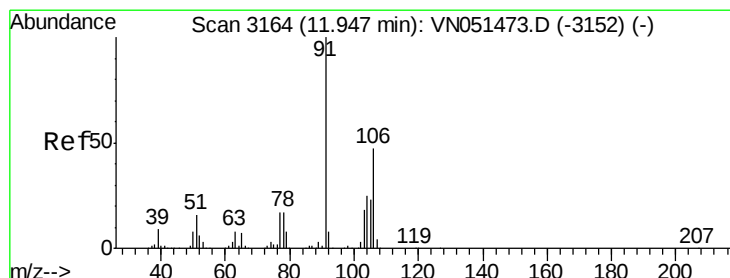
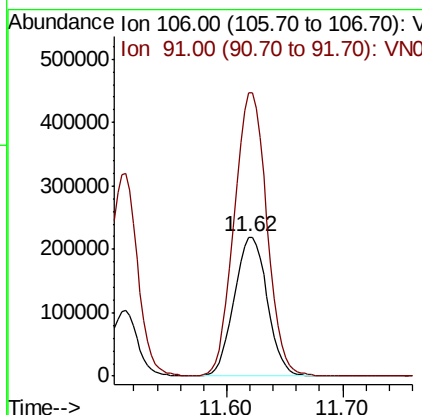
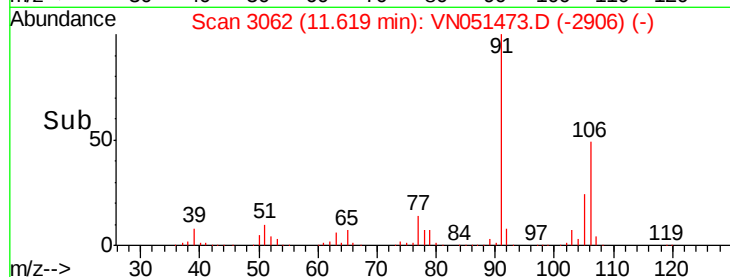
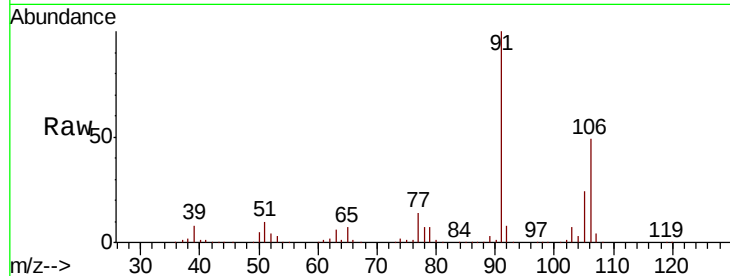
#67
m/p-Xylenes
Concen: 45.533 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN051473.D
Acq: 25 Sep 2018 9:36

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion:106 Resp: 433541
Ion Ratio Lower Upper
106 100
91 201.8 158.8 238.2

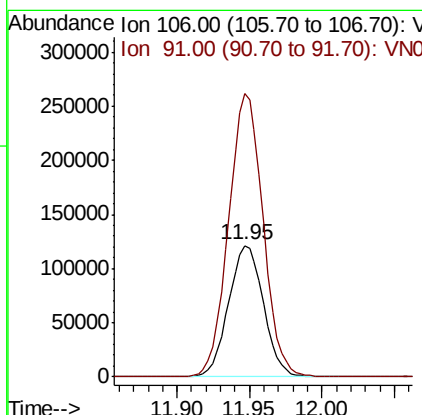
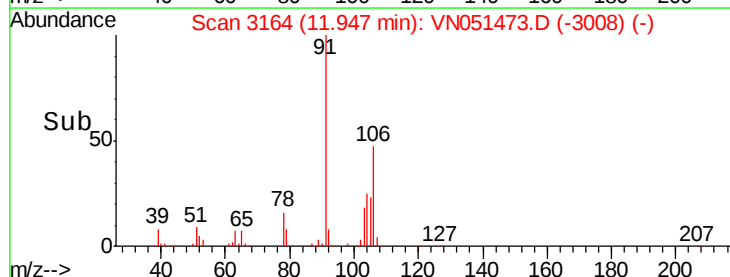
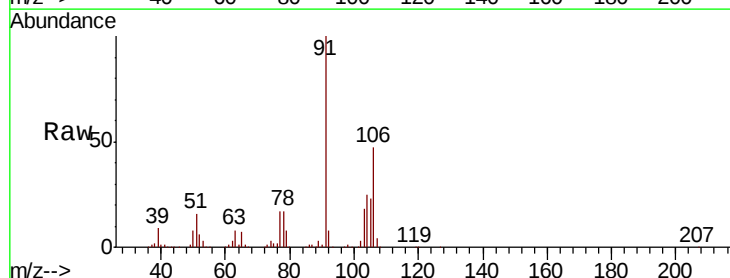
Manual Integrations
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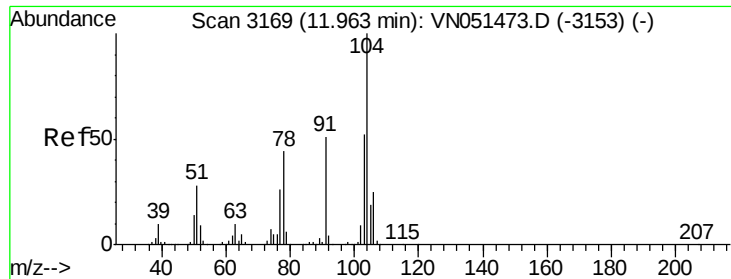
MMDadoda
10/1/2018 11:21:25 AM



#68
o-Xylene
Concen: 22.364 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051473.D
Acq: 25 Sep 2018 9:36

Tgt Ion:106 Resp: 202813
Ion Ratio Lower Upper
106 100
91 212.8 111.1 333.3





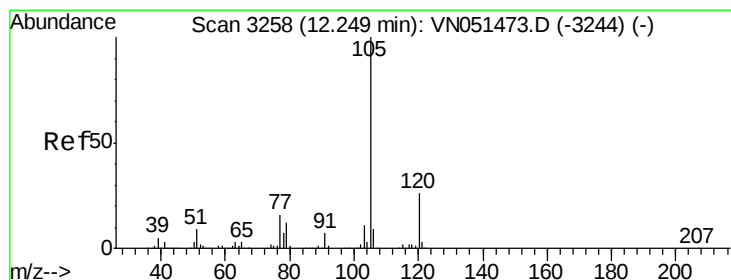
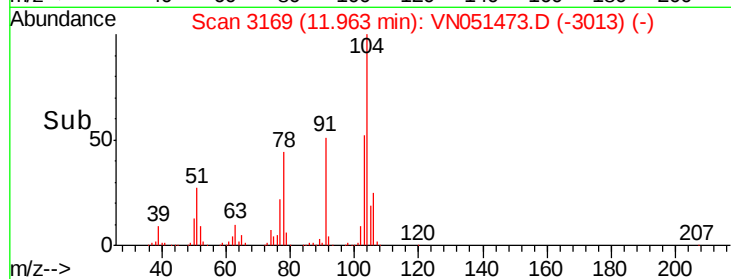
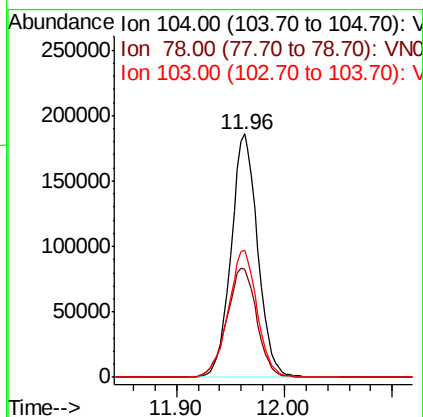
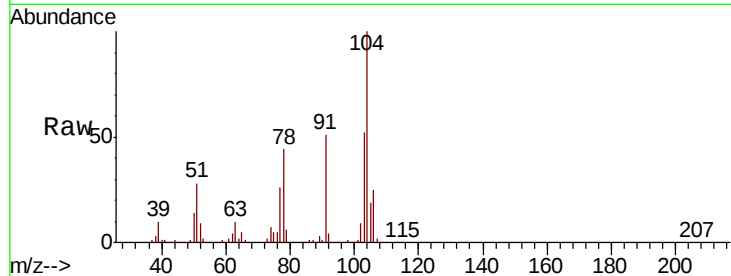
#69
Stvrene
Concen: 22.411 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051473.D
Acq: 25 Sep 2018 9:36

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.4	40.6	60.8
103	56.2	44.0	66.0

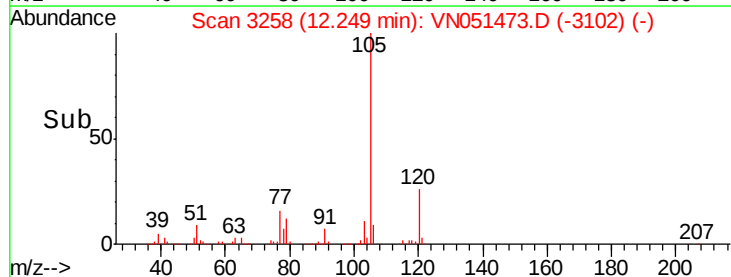
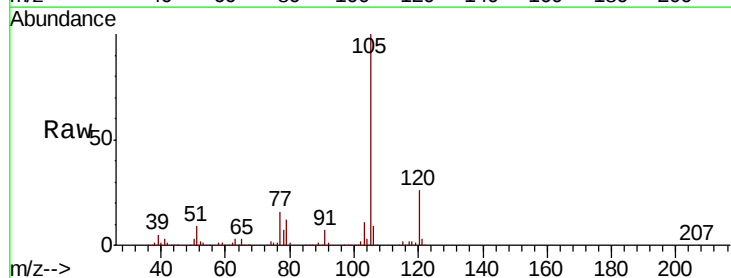
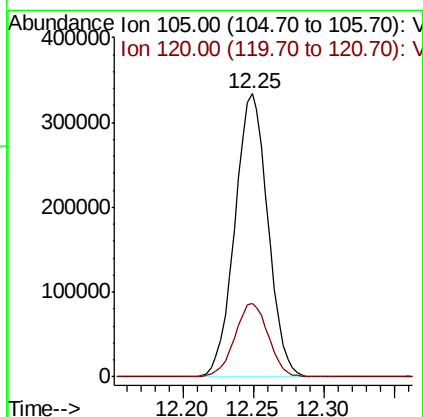
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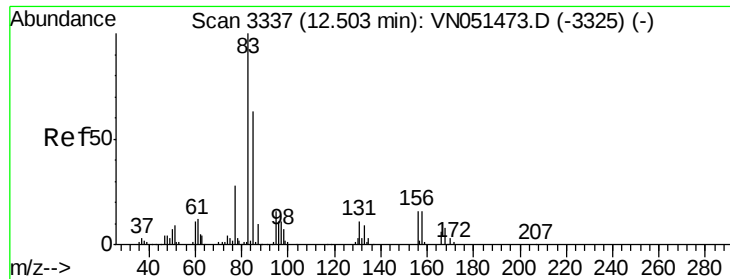
MMDadoda
10/1/2018 11:21:25 AM



#70
Isopropylbenzene
Concen: 22.535 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051473.D
Acq: 25 Sep 2018 9:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.4	19.0	35.4





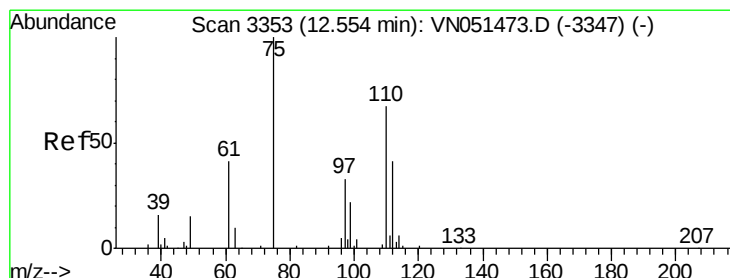
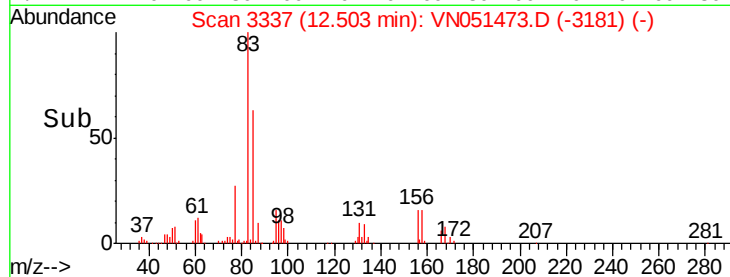
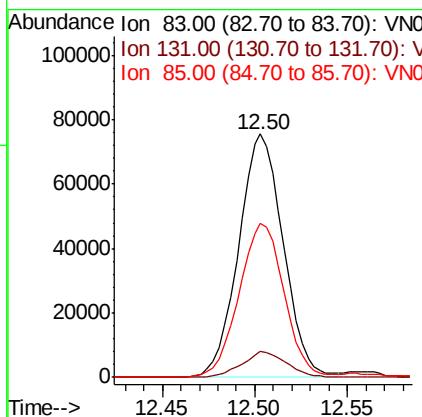
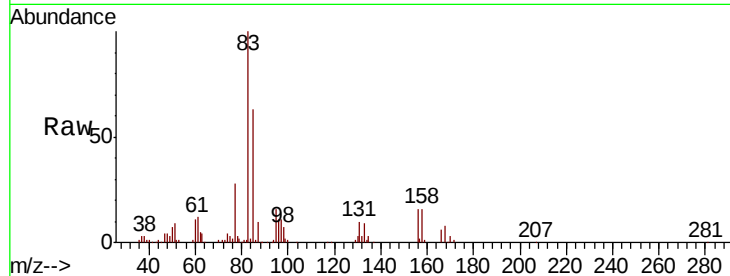
#71
 1,1,2,2-Tetrachloroethane
 Concen: 22.025 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN051473.D
 Acq: 25 Sep 2018 9:36

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100	125828		
131	10.6	5.5	16.4	
85	64.0	30.6	91.8	

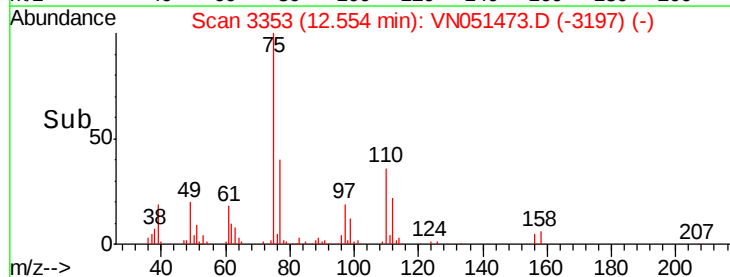
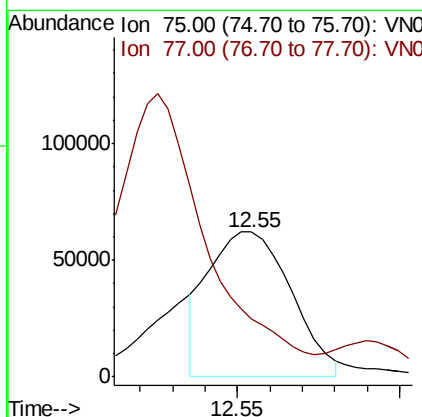
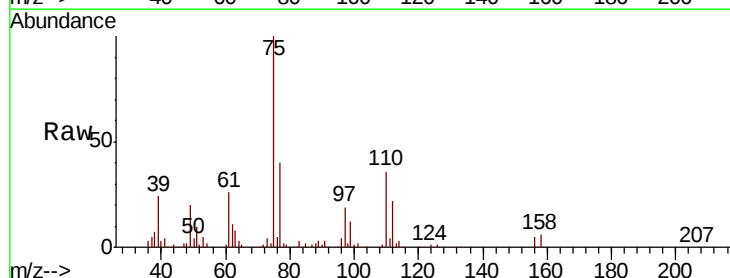
Manual Integrations
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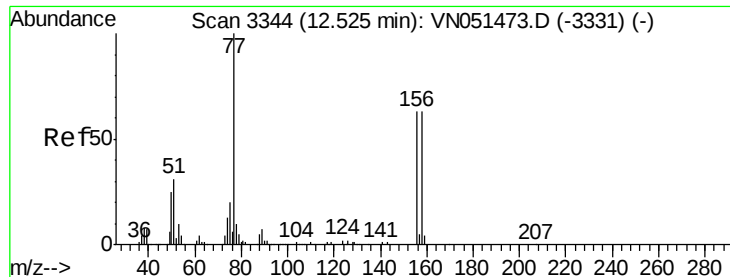
MMDadoda
 10/1/2018 11:21:25 AM



#72
 1,2,3-Trichloropropane
 Concen: 24.477 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN051473.D
 Acq: 25 Sep 2018 9:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	110274		
77	221.1	0.0	400.0	





#73

Bromobenzene

Concen: 21.809 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051473.D

Acq: 25 Sep 2018 9:36

Instrument :

MSVOA_N

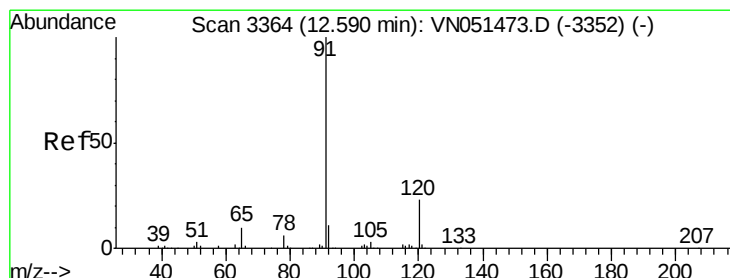
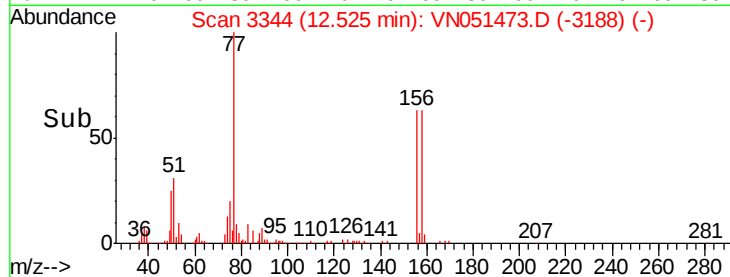
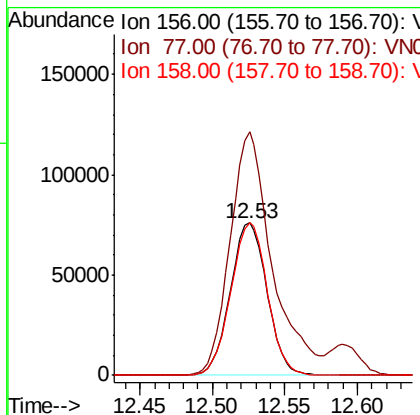
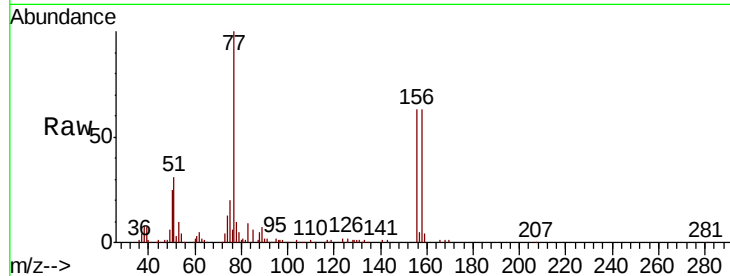
ClientSampleId :

VSTDICCC020

Tot Ion:	156	Resp:	133392
Ion Ratio	Lower	Upper	
156	100		
77	182.7	0.0	377.4
158	99.7	0.0	203.0

Manual Integrations
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10/1/2018 11:21:25 AM



#74

n-propylbenzene

Concen: 22.008 ug/l

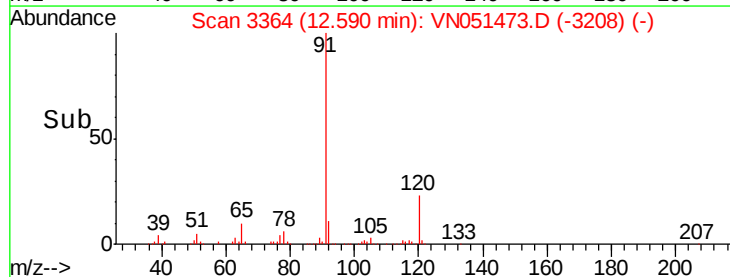
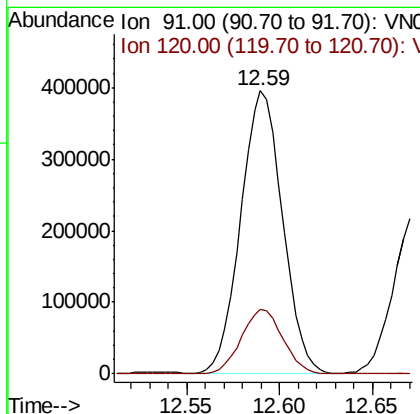
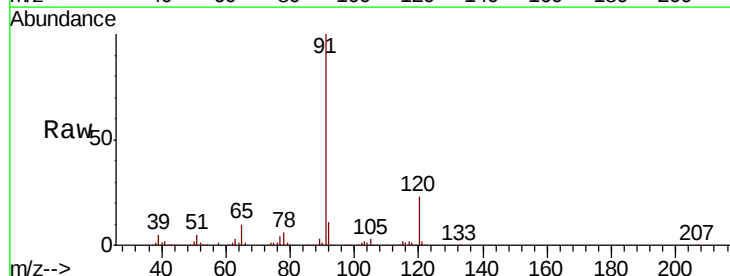
RT: 12.59 min Scan# 3364

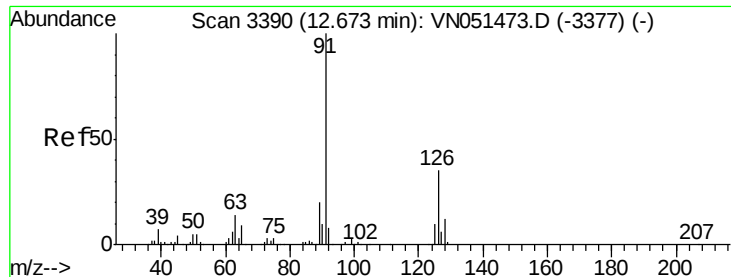
Delta R.T. 0.00 min

Lab File: VN051473.D

Acq: 25 Sep 2018 9:36

Tgt Ion:	91	Resp:	620951
Ion Ratio	Lower	Upper	
91	100		
120	22.6	0.0	45.0





#75

2-Chlorotoluene

Concen: 22.604 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051473.D

Acq: 25 Sep 2018 9:36

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC020

Tot Ion: 91 Resp: 376379

Ion Ratio Lower Upper

91 100

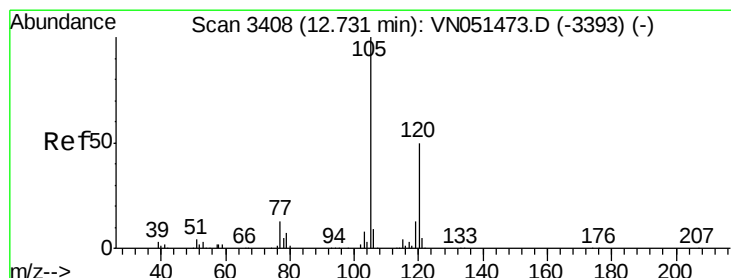
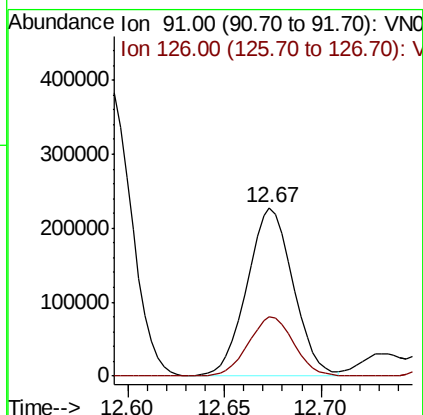
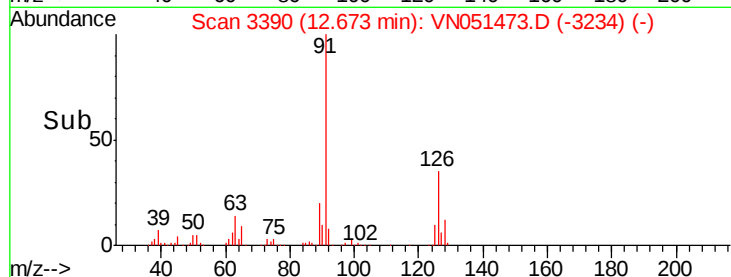
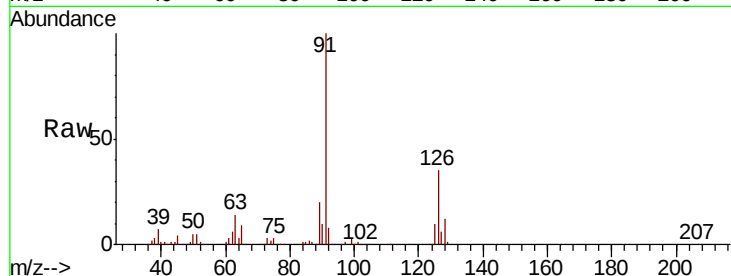
126 34.9 0.0 67.6

Manual Integrations

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10/1/2018 11:21:25 AM



#76

1,3,5-Trimethylbenzene

Concen: 22.809 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN051473.D

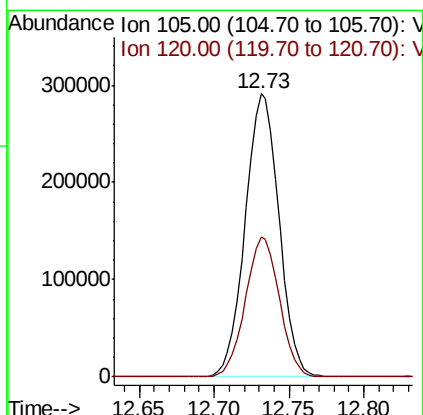
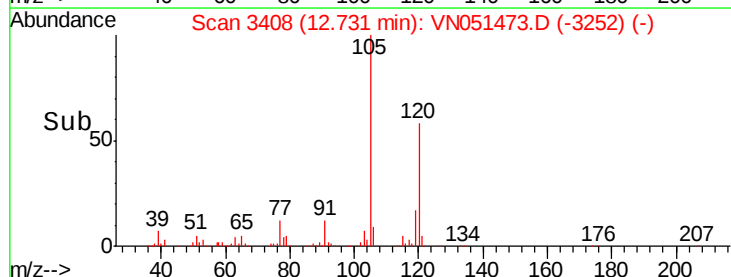
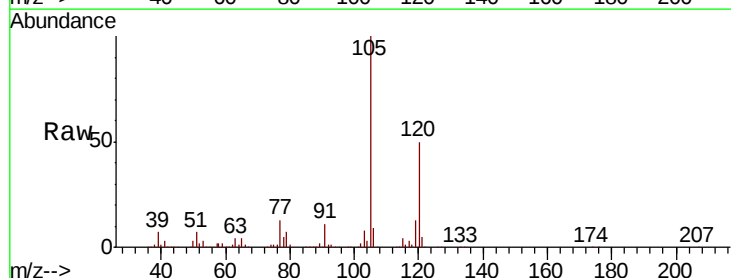
Acq: 25 Sep 2018 9:36

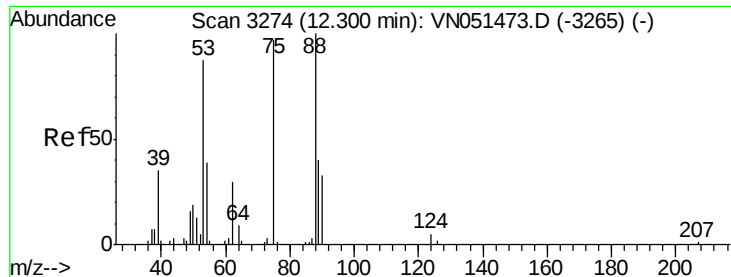
Tgt Ion: 105 Resp: 456771

Ion Ratio Lower Upper

105 100

120 49.8 0.0 98.2





#77

t-1,4-Dichloro-2-butene

Concen: 19.363 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051473.D

Acq: 25 Sep 2018 9:36

Instrument :

MSVOA_N

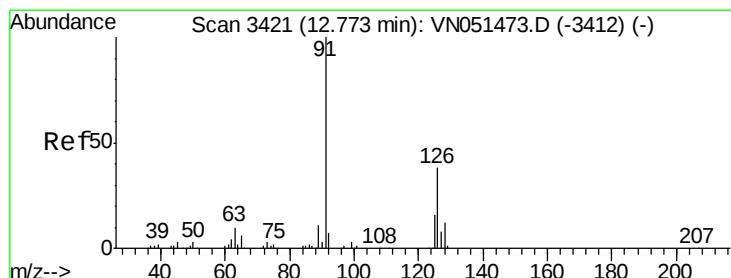
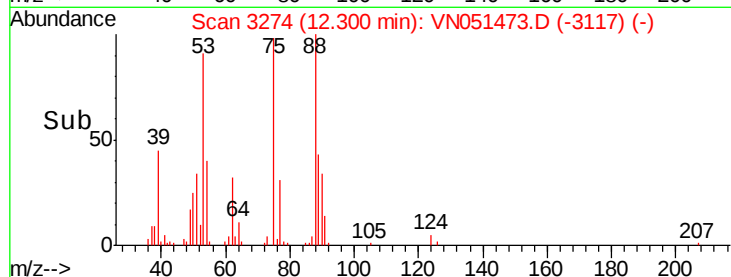
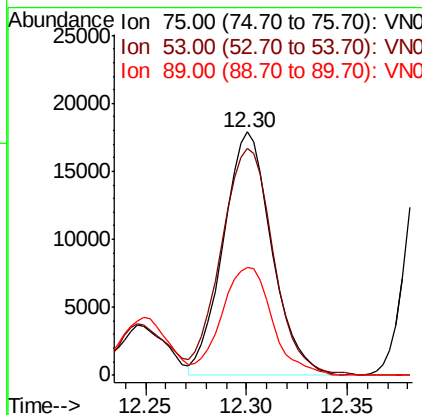
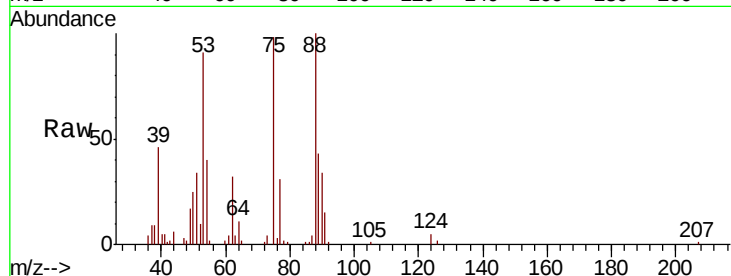
ClientSampled :

VSTDICCC020

Tot Ion:	75	Resp:	30085
Ion Ratio	Lower	Upper	
75	100		
53	92.3	46.3	138.9
89	43.2	24.6	73.8

Manual Integrations
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#78

4-Chlorotoluene

Concen: 22.382 ug/l

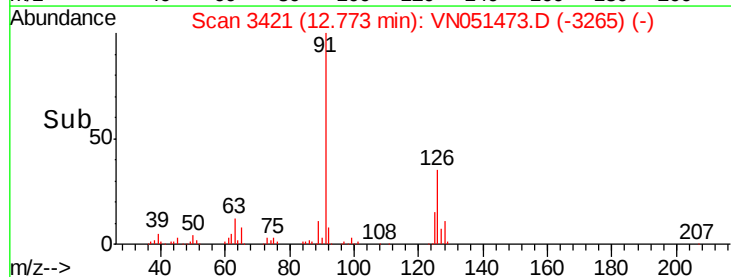
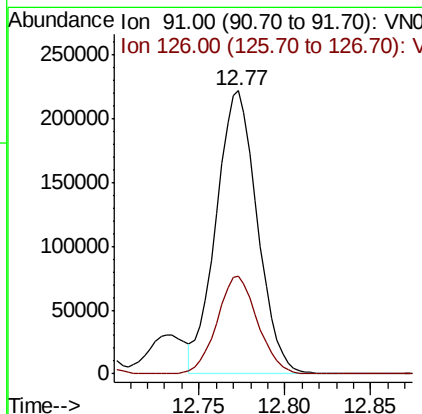
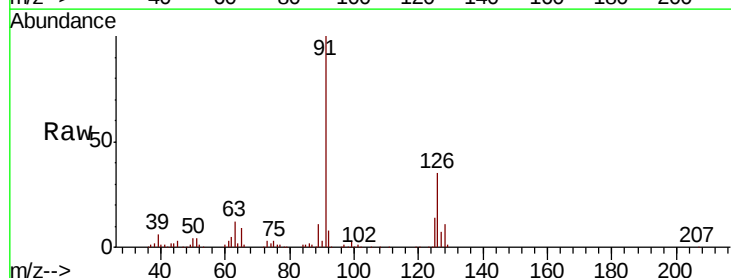
RT: 12.77 min Scan# 3421

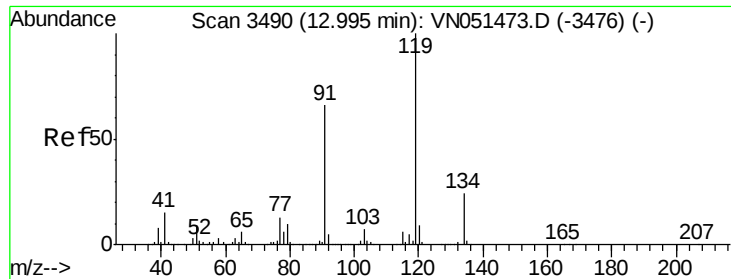
Delta R.T. 0.00 min

Lab File: VN051473.D

Acq: 25 Sep 2018 9:36

Tgt Ion:	91	Resp:	369646
Ion Ratio	Lower	Upper	
91	100		
126	34.1	0.0	65.2





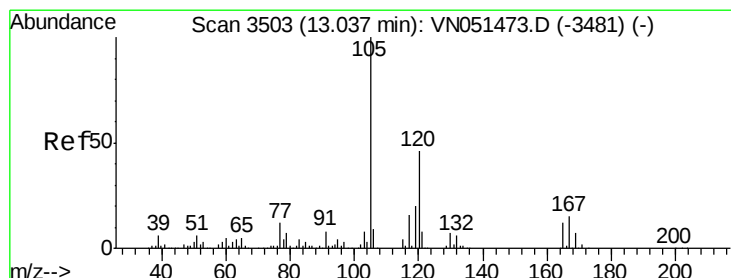
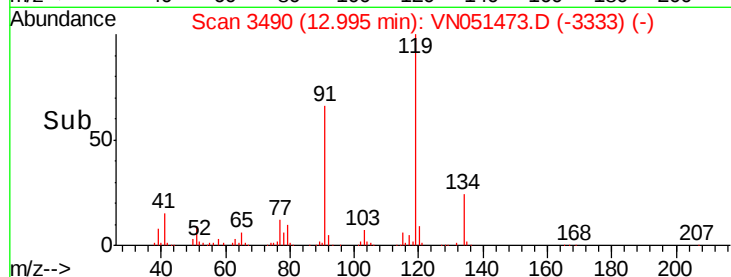
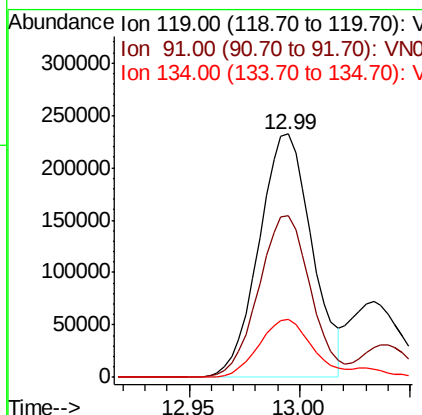
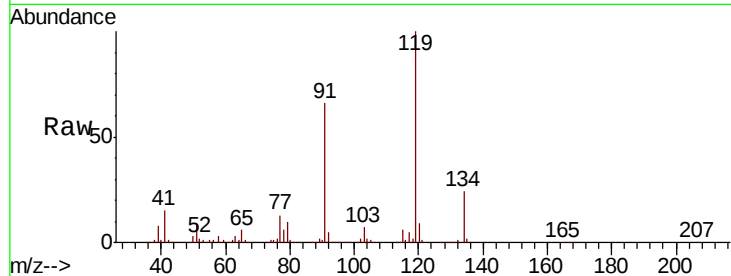
#79
tert-butylbenzene
Concen: 22.229 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051473.D
Acq: 25 Sep 2018 9:36

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	387588		
91	64.6	0.0	131.6	
134	23.8	0.0	46.2	

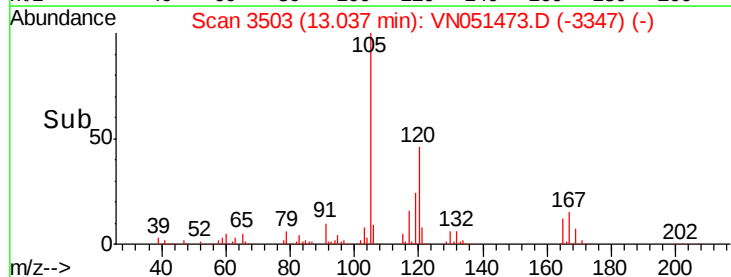
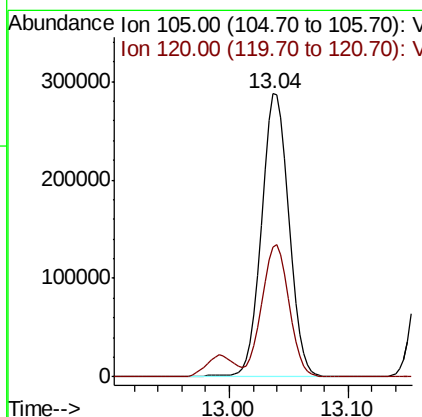
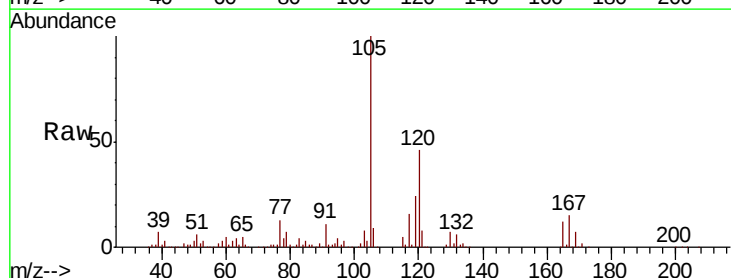
Manual Integrations
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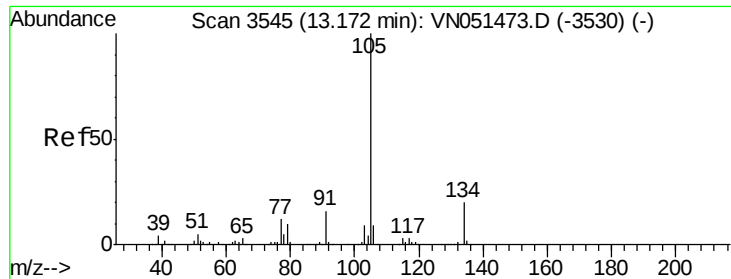
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 22.888 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN051473.D
Acq: 25 Sep 2018 9:36

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	460784		
120	46.5	0.0	89.6	





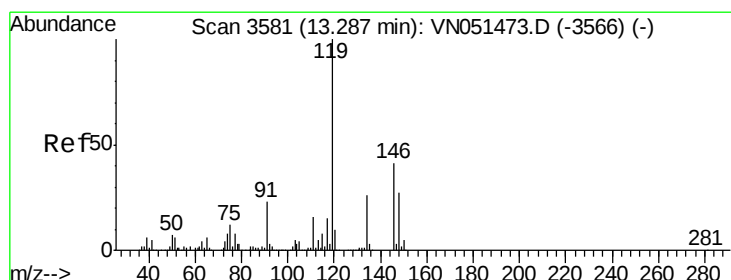
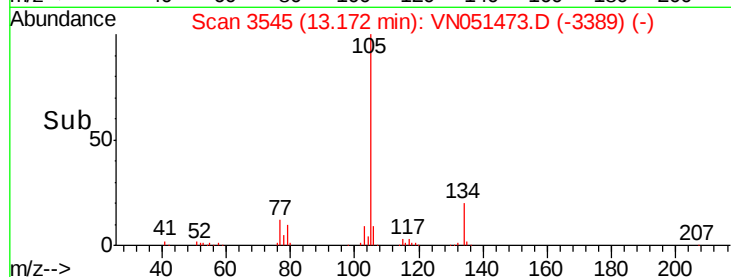
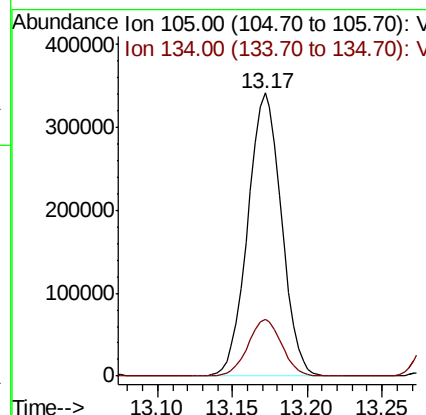
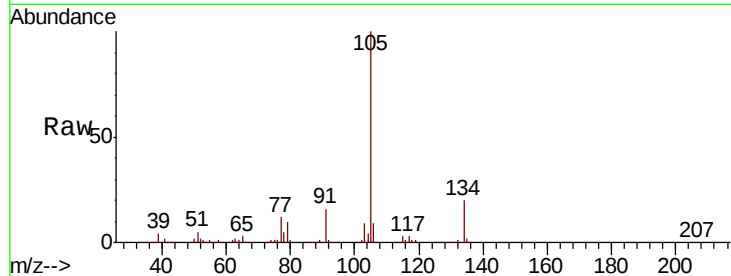
#81
 sec-Butylbenzene
 Concen: 22.316 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN051473.D
 Acq: 25 Sep 2018 9:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	535243		
134	19.9	0.0	39.4	

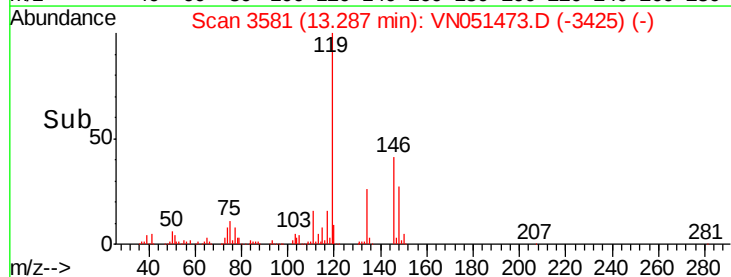
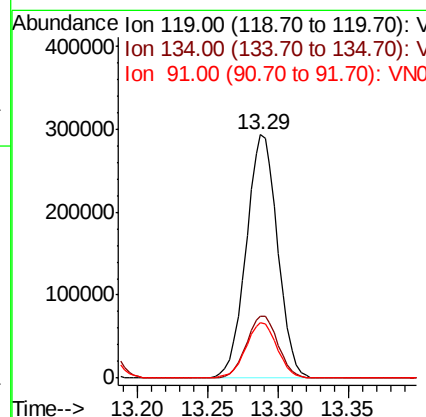
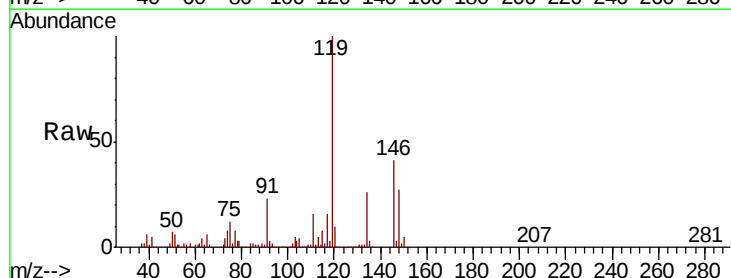
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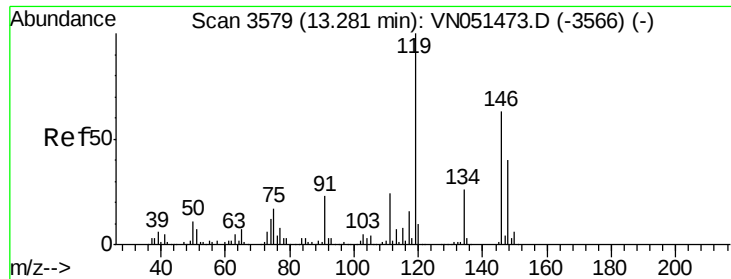
MMDadoda
 10/1/2018 11:21:25 AM



#82
 p-Isopropyltoluene
 Concen: 22.049 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN051473.D
 Acq: 25 Sep 2018 9:36

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	456531		
134	25.9	0.0	53.6	
91	22.6	0.0	52.0	





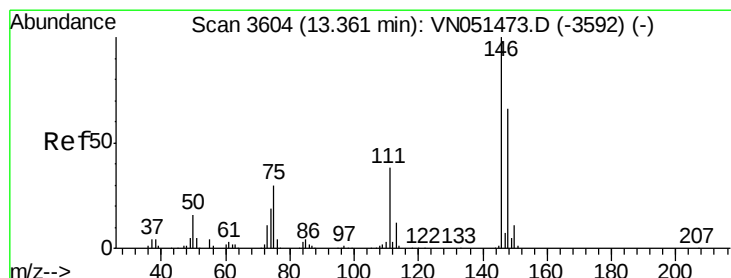
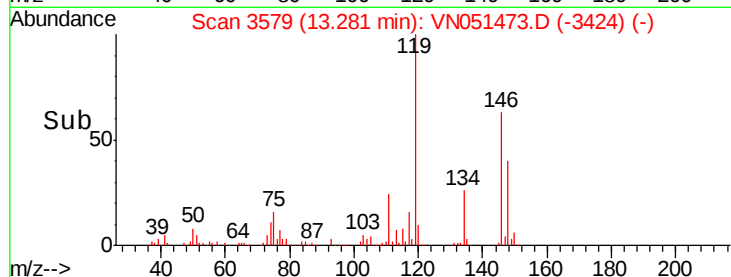
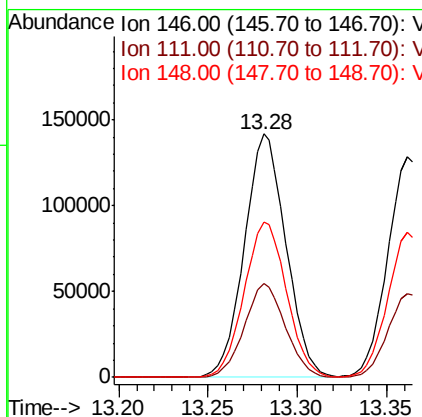
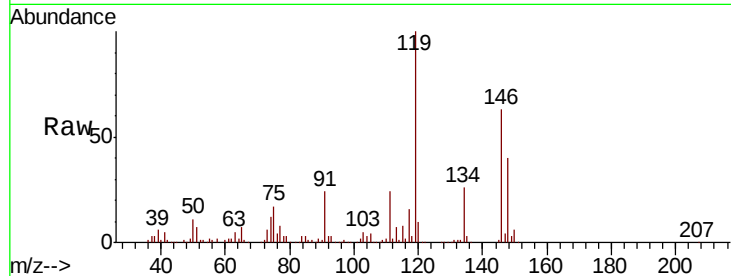
#83
 1,3-Dichlorobenzene
 Concen: 21.551 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN051473.D
 Acq: 25 Sep 2018 9:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	231212		
111	38.0	18.1	54.3	
148	65.2	31.3	93.8	

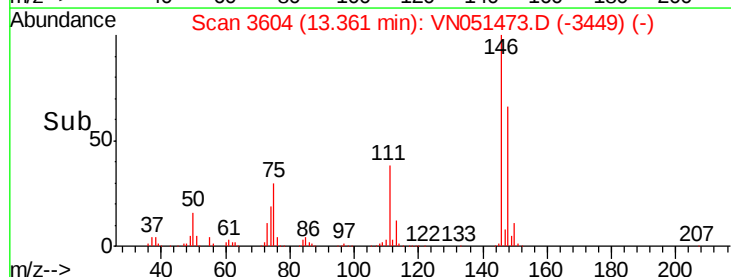
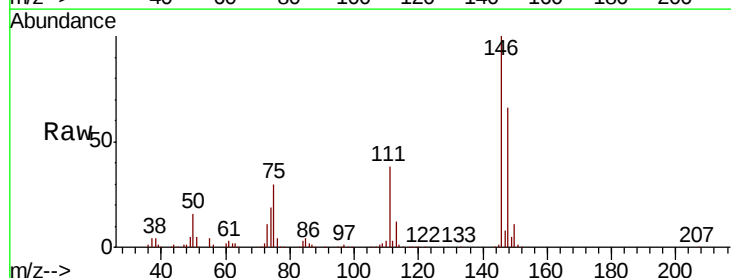
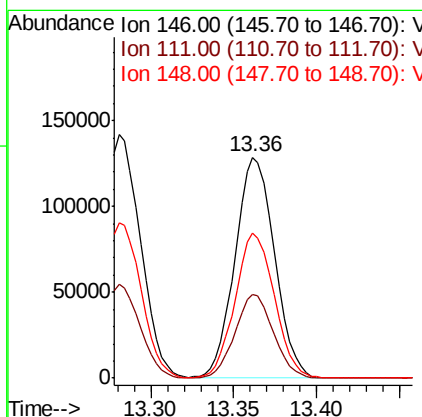
Manual Integrations
 APPROVED

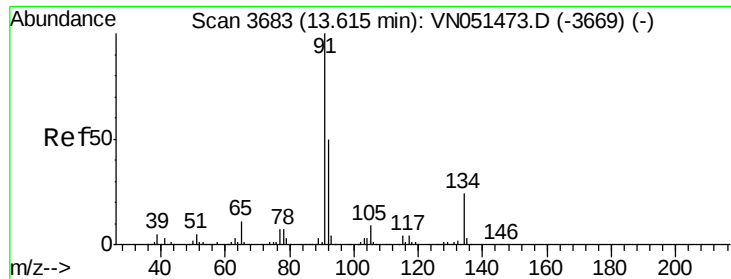
MMDadoda
 10/1/2018 11:21:25 AM



#84
 1,4-Dichlorobenzene
 Concen: 21.241 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN051473.D
 Acq: 25 Sep 2018 9:36

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	214030		
111	36.7	17.4	52.2	
148	64.8	32.8	98.3	





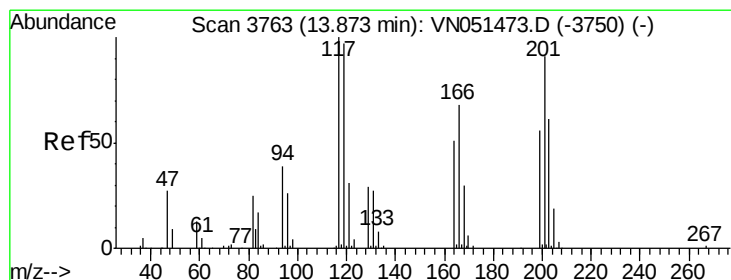
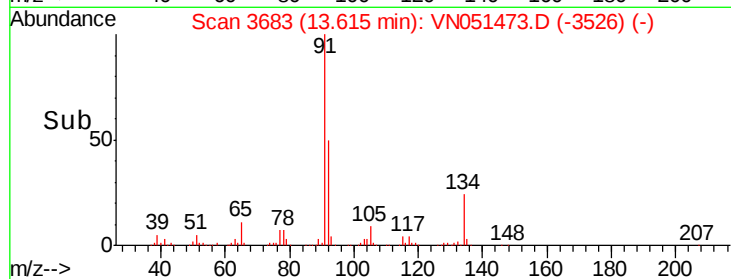
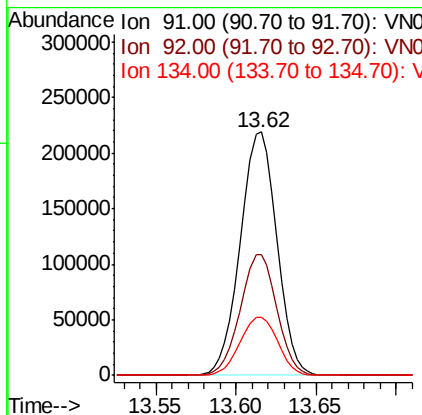
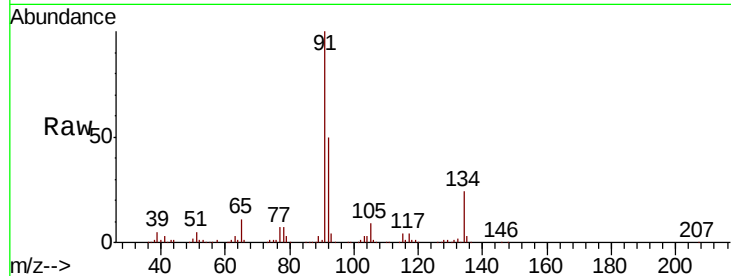
#85
n-Butylbenzene
Concen: 20.044 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051473.D
Acq: 25 Sep 2018 9:36

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion	Ratio	Resp Lower	Upper
91	100		
92	49.6	0.0	97.4
134	24.9	0.0	49.6

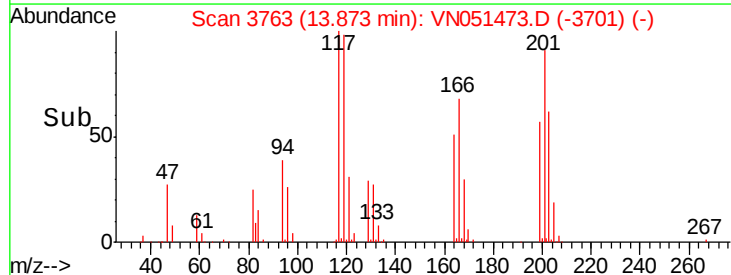
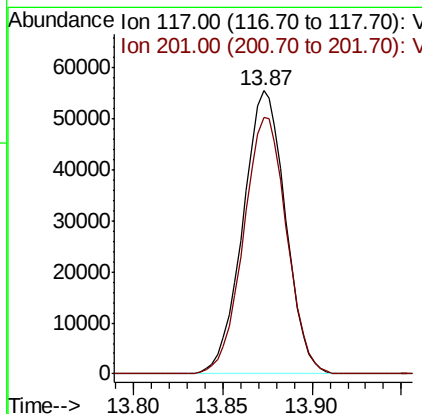
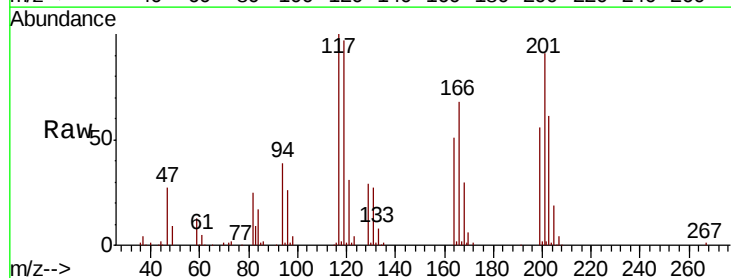
Manual Integrations
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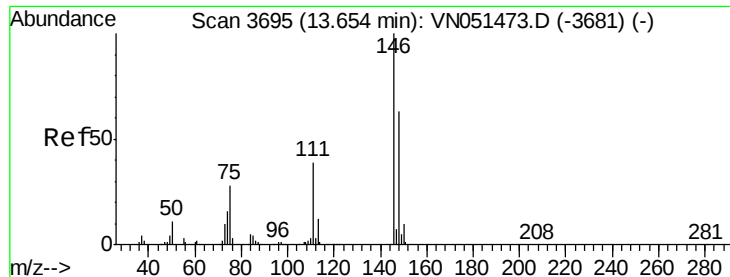
MMDadoda
10/1/2018 11:21:25 AM



#86
Hexachloroethane
Concen: 22.373 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN051473.D
Acq: 25 Sep 2018 9:36

Tgt Ion	Ratio	Resp Lower	Upper
117	100		
201	91.5	47.8	143.3





#87

1,2-Dichlorobenzene

Concen: 22.499 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN051473.D

Acq: 25 Sep 2018 9:36

Instrument :

MSVOA_N

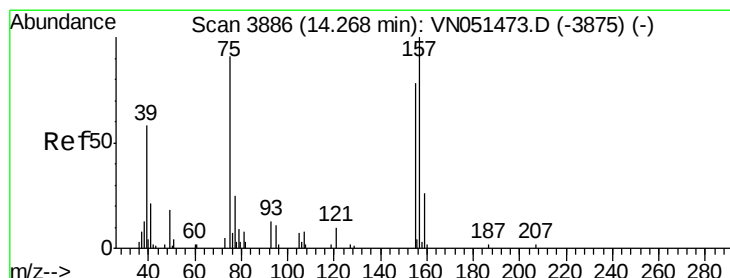
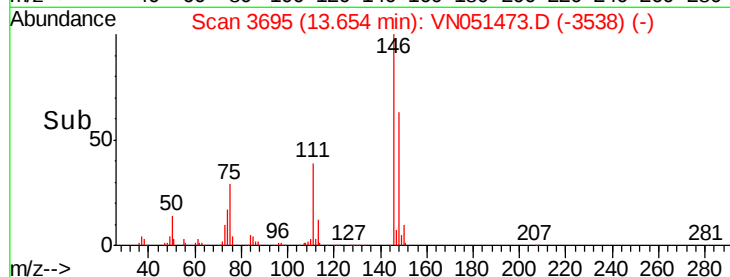
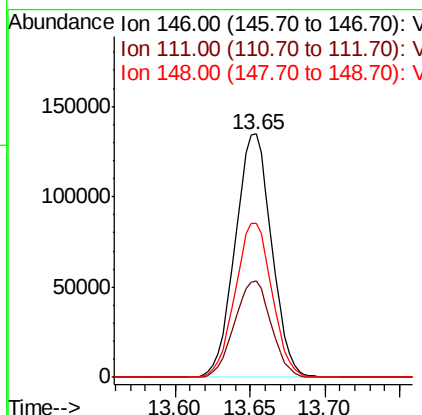
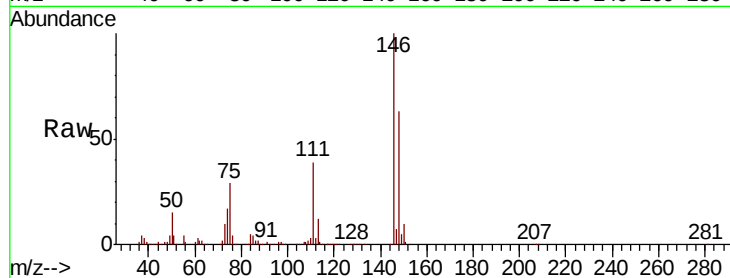
ClientSampleId :

VSTDICCC020

Tot Ion:	146	Resp:	228821
Ion Ratio	Lower	Upper	
146	100		
111	39.8	20.8	62.2
148	63.9	33.2	99.6

Manual Integrations
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10/1/2018 11:21:25 AM



#88

1,2-Dibromo-3-Chloropropane

Concen: 20.112 ug/l

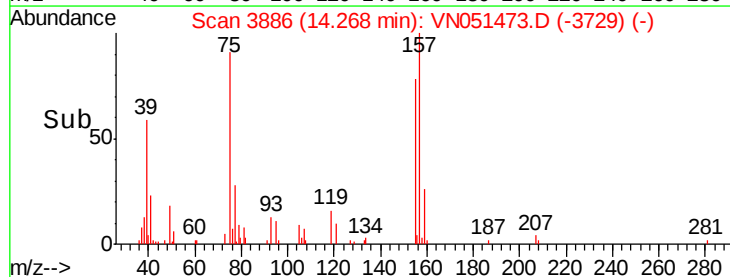
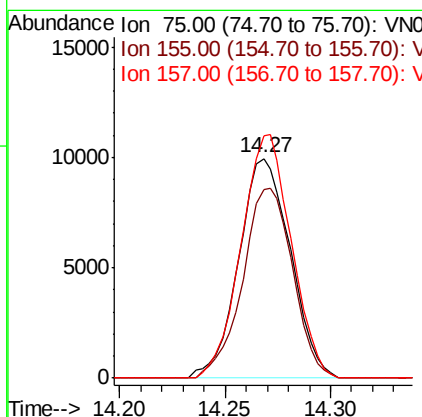
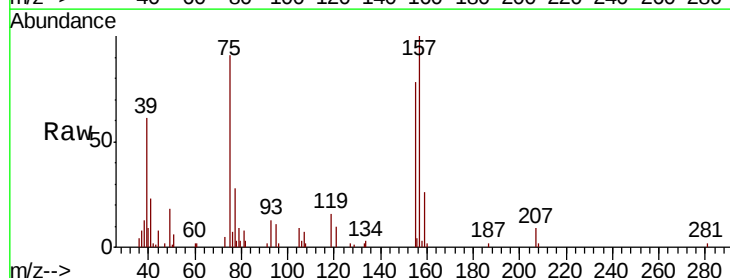
RT: 14.27 min Scan# 3886

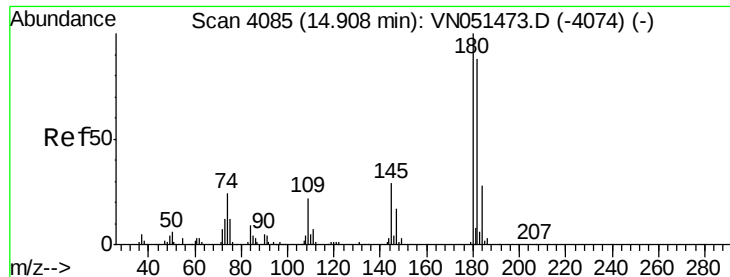
Delta R.T. 0.00 min

Lab File: VN051473.D

Acq: 25 Sep 2018 9:36

Tgt Ion:	75	Resp:	16958
Ion Ratio	Lower	Upper	
75	100		
155	83.8	57.0	85.6
157	107.1	87.4	131.0





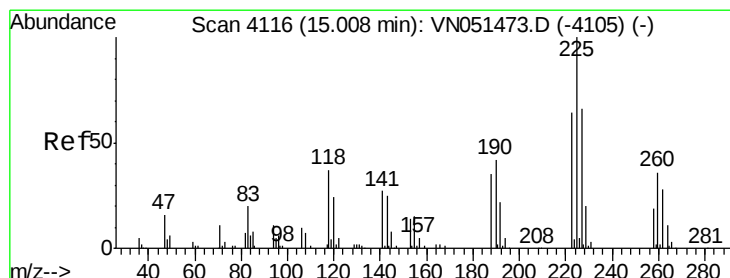
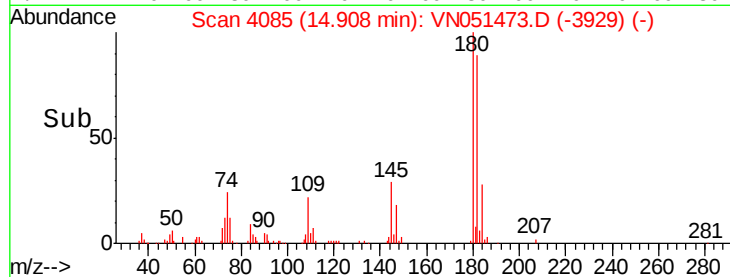
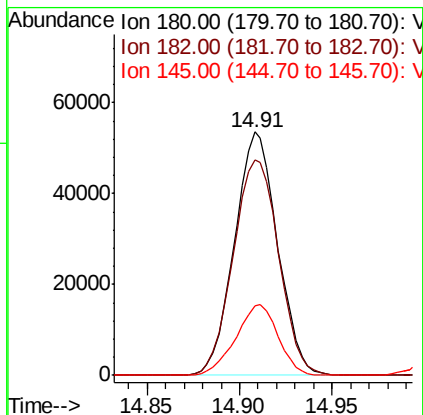
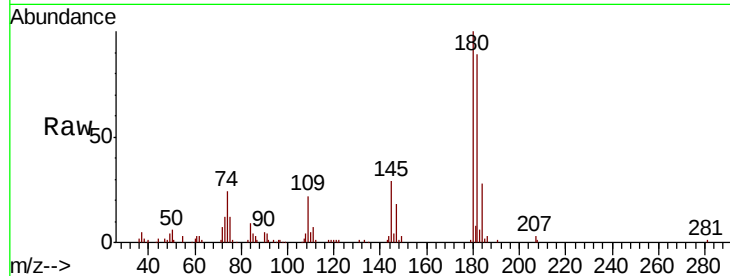
#89
 1,2,4-Trichlorobenzene
 Concen: 16.982 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN051473.D
 Acq: 25 Sep 2018 9:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	86030		
182	93.8	77.7	116.5	
145	28.7	23.4	35.2	

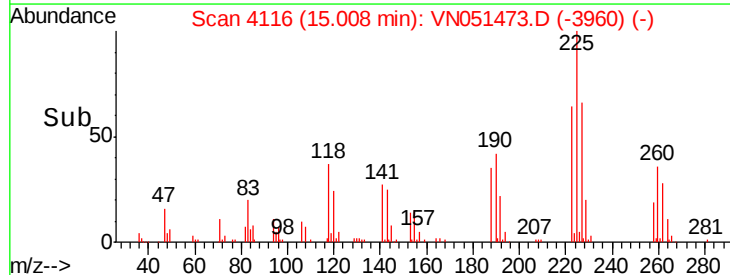
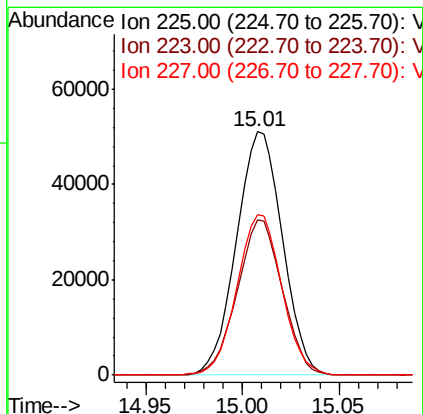
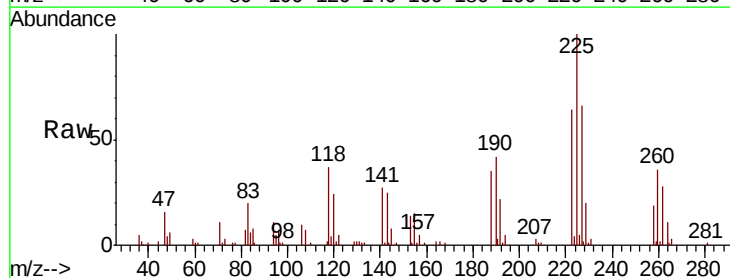
Manual Integrations
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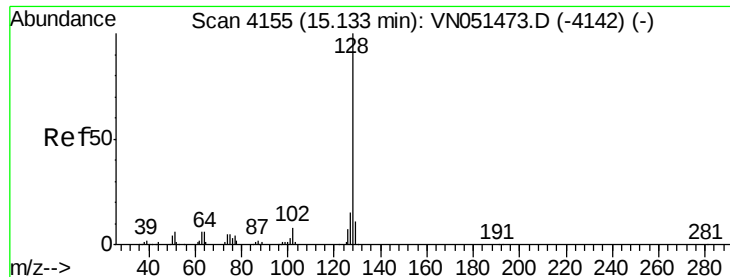
MMDadoda
 10/1/2018 11:21:25 AM



#90
 Hexachlorobutadiene
 Concen: 21.570 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN051473.D
 Acq: 25 Sep 2018 9:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	84689		
223	62.4	0.0	117.0	
227	64.2	0.0	127.0	





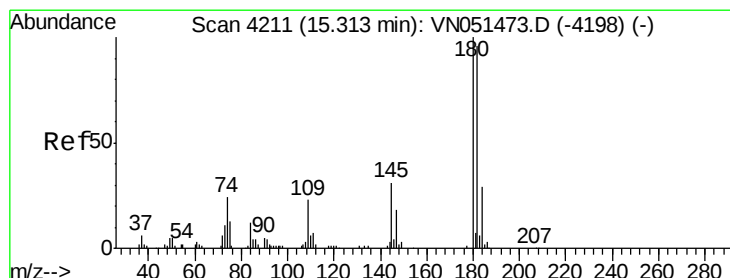
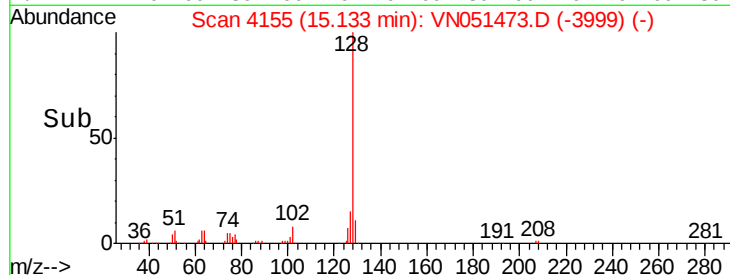
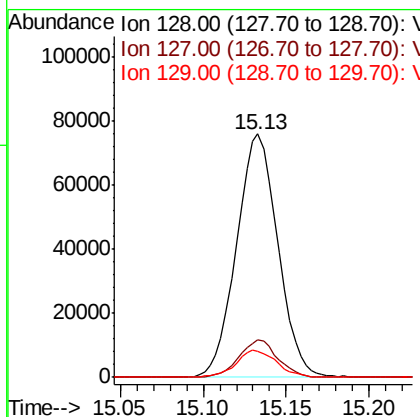
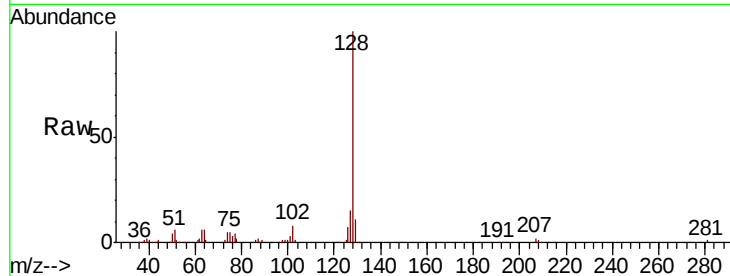
#91
Naphthalene
Concen: 13.761 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN051473.D
Acq: 25 Sep 2018 9:36

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	131545		
127	14.4	10.1	15.1	
129	11.0	8.4	12.6	

Manual Integrations
APPROVED

MMDadoda
10/1/2018 11:21:25 AM



#92
1,2,3-Trichlorobenzene
Concen: 17.206 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN051473.D
Acq: 25 Sep 2018 9:36

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	87992		
182	97.2	0.0	198.0	
145	30.4	0.0	36.8	

